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TALON LPE

Deferment Request (Supplemental)

EK 29 BS2 Federal Com #001H Battery
Lea County, New Mexico
API # 30-025-43687
Incident # NAPP2208459113

Prepared For:

Prima Exploration, Inc.
250 Fillmore St. Suite 500
Denver, Colorado 80206

Prepared By:

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

July 14, 2023

NMOCD District II
506 W. Texas Avenue
Artesia, New Mexico 88210

Bureau of Land Management
602 E. Green Street
Carlsbad, New Mexico 88220

Subject: **Deferment Request (Supplemental)**
EK 29 BS2 Federal Com #001H Battery
Lea County, New Mexico
API # 30-025-43687
Incident # nAPP2208459113

Prima Exploration, Inc., has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our remedial actions and deferment request are presented herein.

Site Information

The EK 29 BS2 Federal Com #001H Battery is located approximately twenty-two (22) miles west of Hobbs, New Mexico. The legal location for this release is Unit Letter B, Section 29, Township 18 South and Range 34 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.7253286 and -103.5785282. Site maps are presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Tonuco loamy fine sand (Appendix II). Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is lower Pliocene to middle Miocene in age and is comprised of eolian and alluvial deposits. Drainage courses in this area are typically well drained.

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 108-feet below ground surface (bgs) into an unconfined aquifer consisting of sands and gravels. The well, CP 01582 POD1, was completed as a water well on the subject well pad in 2016 and is located approximately 100 feet northwest of the release area. According to the driller's report, the groundwater bearing unit (sand) was encountered at 52 feet bgs and continued to 150 feet bgs. The well location is depicted on Figure 2, Confirmation Sample Map (Appendix I).

Site Characterization

Pursuant to Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 of the New Mexico Administrative Code (NMAC), if a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater.

Approximate Depth to Groundwater	**108 Feet/bgs**
☐Yes ☒No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
☐Yes ☒No	Within 200 feet of any lakebed, sinkhole or playa lake
☐Yes ☒No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church
☐Yes ☒No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
☐Yes ☒No	Within 1000 feet of any fresh water well or spring
☐Yes ☒No	Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
☐Yes ☒No	Within 300 feet of a wetland
☐Yes ☒No	Within the area overlying a subsurface mine
☐Yes ☒No	Within an unstable area
☐Yes ☒No	Within a 100-year floodplain

This incident occurred in an area with a driller's log documentation for the groundwater bearing unit encountered at 52' bgs with the first groundwater depth noted at 108' bgs. The release was contained to the well pad and therefore the closure criteria for this site is as follows:

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below the release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
>50 feet	Chloride	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

On March 24, 2022, 44 barrels (bbls) of produced water and 18 bbls of crude oil were released from the heater treater due to corrosion on the fire tube. A vacuum truck was dispatched and 42 bbls of produced water and 18 bbls of crude oil were recovered. The impacted area is illustrated on the attached site plan (Appendix I).

Site Assessment

On March 28, 2022, Talon mobilized personnel to begin the site assessment and soil sampling activities for the construction of a remediation plan. Samples were collected from five (5) locations within the release area until refusal was encountered with a hand auger. An additional three (3) surface samples were collected to confirm horizontal delineation around the release area. The initial sample locations are included in the Site Assessment Sample Map (Figure 1) and is attached in Appendix I. Analytical results from the assessment sampling event are presented below. All samples were properly packaged, preserved, and transported via chain of custody to Cardinal Laboratories for analysis of Total Chlorides (SM 4500Cl-B), Total Petroleum Hydrocarbons, TPH (EPA Method 8015M) and Volatile Organics, BTEX (EPA Method 8021B). The laboratory report can be viewed in Appendix V.

Table 1

Site Assessment 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	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 1,000 mg/kg			2,500 mg/kg	10,000 mg/kg
S-1	3/28/2022	0-1' R	ND	ND	ND	ND	ND	-	4,280
S-2	3/28/2022	0-1'	ND	ND	ND	ND	ND	-	8,930
	3/28/2022	1.5' R	ND	ND	ND	ND	ND	-	1,620
S-3	3/28/2022	0-1' R	ND	ND	ND	39.9	ND	39.9	1,680
S-4	3/28/2022	0-1'	ND	ND	ND	ND	ND	-	8,320
	3/28/2022	2' R	0.56	ND	ND	ND	ND	-	1,570
S-5	3/28/2022	0-1' R	449	2.43	3,220	12,700	1,950	17,870	688
R = Refusal with Hand Auger ND = Analyte Not Detected									

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 1,000 mg/kg			2,500 mg/kg	10,000 mg/kg
BG-N	3/28/2022	0'	ND	ND	ND	612	239	851	14,200
BG-S	3/28/2022	0'	7.65	ND	19.7	27	13.9	60.6	96
BG-W	3/28/2022	0'	0.059	ND	ND	22.4	12.1	34.5	352
ND = Analyte Not Detected BG = Background									

On April 19, 2022, a geoprobe rig (direct push technology) was utilized to advance boreholes in accessible areas to depths at which vertical delineation could be verified. The resulting analytical data is presented on the following data table and the complete laboratory report is appended hereto (Appendix V). Boring locations are illustrated on Figures 1 and 2 (Appendix I).

Table 2

Site Delineation 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	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 1,000 mg/kg			2,500 mg/kg	10,000 mg/kg
B-1	4/19/2022	3'	ND	ND	ND	ND	ND	-	1,060
B-1	4/19/2022	4'	ND	ND	ND	ND	ND	-	656
B-1	4/19/2022	5' R	ND	ND	ND	16	ND	16	384
B-2	4/19/2022	3'	ND	ND	ND	ND	ND	-	1,390
B-2	4/19/2022	4' R	ND	ND	ND	ND	ND	-	3,920
B-3	4/19/2022	0-1'	ND	ND	ND	ND	ND	-	2,800
B-3	4/19/2022	2' R	ND	ND	ND	ND	ND	-	512
B = Borehole ND = Analyte Not Detected R = Refusal with Geoprobe									

Remediation Activities

Upon client authorization, remediation activities began on April 6, 2022. A backhoe and a hydrovac were utilized to excavate the impacted soil. Confirmation samples were collected on May 5, 2022. A closure report was generated June 28, 2022, and subsequently submitted to NMOCD for review.

Pursuant to correspondence from NMOCD following review (attached, Appendix III), additional samples and clarification on the location of the water well were requested. Upon client authorization, additional soil samples were collected on July 25, 2022, to confirm that NMOCD closure criteria had been met. Additional sidewall samples and bottom hole composites were collected from the spill areas with a hand auger, as well as two (2) background samples to verify horizontal delineation. The results of these sampling events can be found in the following data table. Confirmation sample locations, excavation dimensions and water well location can be found on the Confirmation Sample Map (Figure 2, 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. Photo documentation of remediation efforts is provided in Appendix IV. A closure report was submitted NMOCD for review after the completion of the remediation activities on October 12, 2022.

Table 3

Site Confirmation 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	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 1,000 mg/kg			2,500 mg/kg	10,000 mg/kg
B-2	5/5/2022	4.5' R	0.122	0.0562	25.8	44.0	22.7	92.5	107
S-1A	7/25/2022	1'	ND	ND	ND	30.0	ND	30	431
S-2A	7/25/2022	1'	ND	ND	ND	22.4	ND	22.4	3,020
S-3A	7/25/2022	1'	ND	ND	ND	94.4	ND	94.4	1,020
S-4A	7/25/2022	1'	ND	ND	ND	124.0	ND	124	3,840
S-5A	7/25/2022	3'	ND	ND	ND	32.2	ND	32.2	4,040
S-6A	7/25/2022	3'	ND	ND	ND	109	ND	109	3,830
S-7A	7/25/2022	3'	ND	ND	ND	94.3	ND	94.3	1,360
S-8A	7/25/2022	3'	ND	ND	ND	106	ND	106	4,170
S-9A	7/25/2022	3'	ND	ND	ND	69.1	ND	69.1	4,600
S-10A	7/25/2022	3'	ND	ND	ND	38.9	ND	38.9	251
S-11A	7/25/2022	3'	ND	ND	ND	153	ND	153	378
S-12A	7/25/2022	2'	0.00414	ND	ND	164	ND	164	350
N. Side Wall #1	5/5/2022	2'	0.00433	0.00116	23.2	ND	19.2	42.4	35.0
N. Side Wall #2	5/5/2022	2'	ND	ND	36.0	19.6	19.3	74.9	42.0
S. Side Wall	5/5/2022	0.5'	0.00224	0.000619	34.1	27.9	19.7	81.7	102
S. SW-2	7/25/2022	2'	ND	ND	ND	42.4	ND	42.4	255
E. Side Wall	5/5/2022	3'	ND	ND	23.9	ND	15.4	39.3	44.9
W. Side Wall	5/5/2022	0.5' R	ND	ND	27.5	ND	15.4	42.9	44.3
BG-N2	7/25/2022	0'	ND	ND	ND	158	ND	158	61
BG-N3	7/25/2022	0'	ND	ND	ND	256	ND	256	179

B = Borehole ND = Analyte Not Detected R = Refusal BG-N2 Background North Sample 2

Supplemental Activities: Following additional correspondence from NMOCD (attached, Appendix III), NMOCD questioned the depth to groundwater data and corresponding Table 1 closure criteria standards utilized for the site. Based upon this change in closure criteria, the chloride concentrations for BG-N would require vertical and horizontal delineation.

The driller's log for CP-1582 POD 1 (attached, Appendix II) indicated the first groundwater bearing unit (GWBU) encountered during the drilling operation was from 52-150 feet bgs and was comprised of sand. This (sand) is considered an unconsolidated unit, therefore representative of an unconfined aquifer. The static groundwater depth was measured at 108 feet bgs within this unit. The second GWBU was from 150-175 feet bgs and consisted of sand and gravel, also an unconsolidated geological unit, followed by a third GWBU labeled as the "red bed" from 175-180 feet bgs. The well's completion depth was recorded at 180 feet bgs.

The well was likely completed through the Ogallala Formation, comprised of sands and gravels and an unconfined aquifer, with final completion into the upper Dockum Group.

The groundwater depth was verified at 108 feet bgs. As this groundwater depth was recorded in an unconfined aquifer, it is a true representation of actual depth to static groundwater at this site. Therefore, applicable NMOCD Table 1 closure criteria standards (page 3) are applicable because the groundwater depth is greater than 100' below the horizontal boundary of the release to groundwater. This data interpretation is consistent with the NMOCD Spill Rule Clarification 2019 document. Additionally, a previous incident at this location was closed by NMOCD utilizing 108' bgs as the applicable depth to groundwater.

Supplemental soil samples were collected in the vicinity of BG-N, BGN-2 and BG-N3 on December 5, 2022 and March 8, 2023, to verify delineation of the area. Issues with accessibility and safety concerns due to underground electric and flow lines prevented the advancement of BG-N and vertical delineation of chlorides at the location requested by NMOCD. The well pad is comprised of dense caliche and requires mechanical digging for substantial collection of subsurface samples at greater depths. Two (2) samples points, S-13 and BG-N4, were completed on December 5, 2022 in accessible areas through test trenches with a backhoe. Three (3) soil samples, BG-N5, BG-N6, and BG-N7, were collected on March 8, 2023. The additional sample locations and identified infrastructure can be found on the Updated Confirmation Sample Map in Appendix I. The results of the data from all supplemental sampling activities have been consolidated into the following data table for clarity involving the area north of the release and are compared with the above referenced Table 1 standards.

Table 4
BG-N Delineation 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	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 1,000 mg/kg			2,500 mg/kg	10,000 mg/kg
BG-N	3/28/2022	0'	ND	ND	ND	612	239	851	14,200
BG-N2	7/25/2022	0'	ND	ND	ND	158	ND	158	61.0
BG-N3	7/25/2022	0'	ND	ND	ND	256	ND	256	179
BG-N4	12/5/2022	0-1'	ND	ND	30.2	163	ND	193.2	505
	12/5/2022	2'	ND	ND	28.7	18.7	ND	47.4	1,920
	12/5/2022	3'R	ND	ND	35.5	18.9	ND	54.4	1,350
BG-N5	3/8/2023	0’	ND	ND	ND	ND	ND	-	320
BG-N6	3/8/2023	0’	ND	ND	ND	ND	ND	-	64.0
BG-N7	3/8/2023	0’	ND	ND	ND	ND	ND	-	336
S-13	12/5/2022	0-1’	ND	ND	ND	330	ND	330	282
R = Refusal BG = Background ND = Analyte Not Detected									

Sample locations and utility locations can be found on the Updated Confirmation Sample Map (Appendix I). The soil samples collected on December 5, 2022 were transported with the chain of custody to Eurofins Laboratories, Inc., for analysis of Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH, EPA Method 8015B), and Volatile Organics (BTEX, EPA Method 8021B). The soil samples collected on March 8, 2023 were delivered to Cardinal Laboratories for analysis of Total Chlorides (SM4500Cl-B), Total Petroleum Hydrocarbons (TPH, EPA Method 8015M) and Volatile Organics (BTEX, EPA Method 8021B). Complete laboratory reports of sampling activities are attached in Appendix V.

Remedial Action Summary

- Vertical delineation at sample location Background North (BG-N) was not achievable due to the underground electrical utility and product flow line locations in the area. Horizontal delineation of the area was achieved surrounding BG-N.

- All impacted areas from this incident were excavated to depths of 1-3 feet bgs. Field screening of soil samples was used to guide the excavation process during remediation activities.

- 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 within the remediated areas.

- The location of the water well is illustrated on Figure 2 per NMOCD request. Depth to groundwater has been confirmed at 108' below land surface. Impacts from this release are unlikely to affect groundwater.

- The excavated areas on the well pad were backfilled with new caliche, machine compacted and contoured to match the surrounding location.

- All of the excavated material, approximately 234 tons, was transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.

- A copy of the Final C-141 is presented in Appendix III.

Deferment Request

Based upon the completed remedial actions in accessible areas, confirmation sampling results, and confirmed depth to groundwater, on behalf of Prima Exploration, Inc., we respectfully request deferment of further remedial actions until facility closure.

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: 2023.07.25 09:07:56 -05'00'

David J Adkins

Digitally signed by David J Adkins
DN: cn=David J Adkins, o=TalonLPE, ou=Regional Manager, email=dadkins@talonlpe.com, c=US
Date: 2023.07.25 11:22:54 -06'00'

Kayla Taylor
Project Manager

David J. Adkins
Regional Manager

Attachments:

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

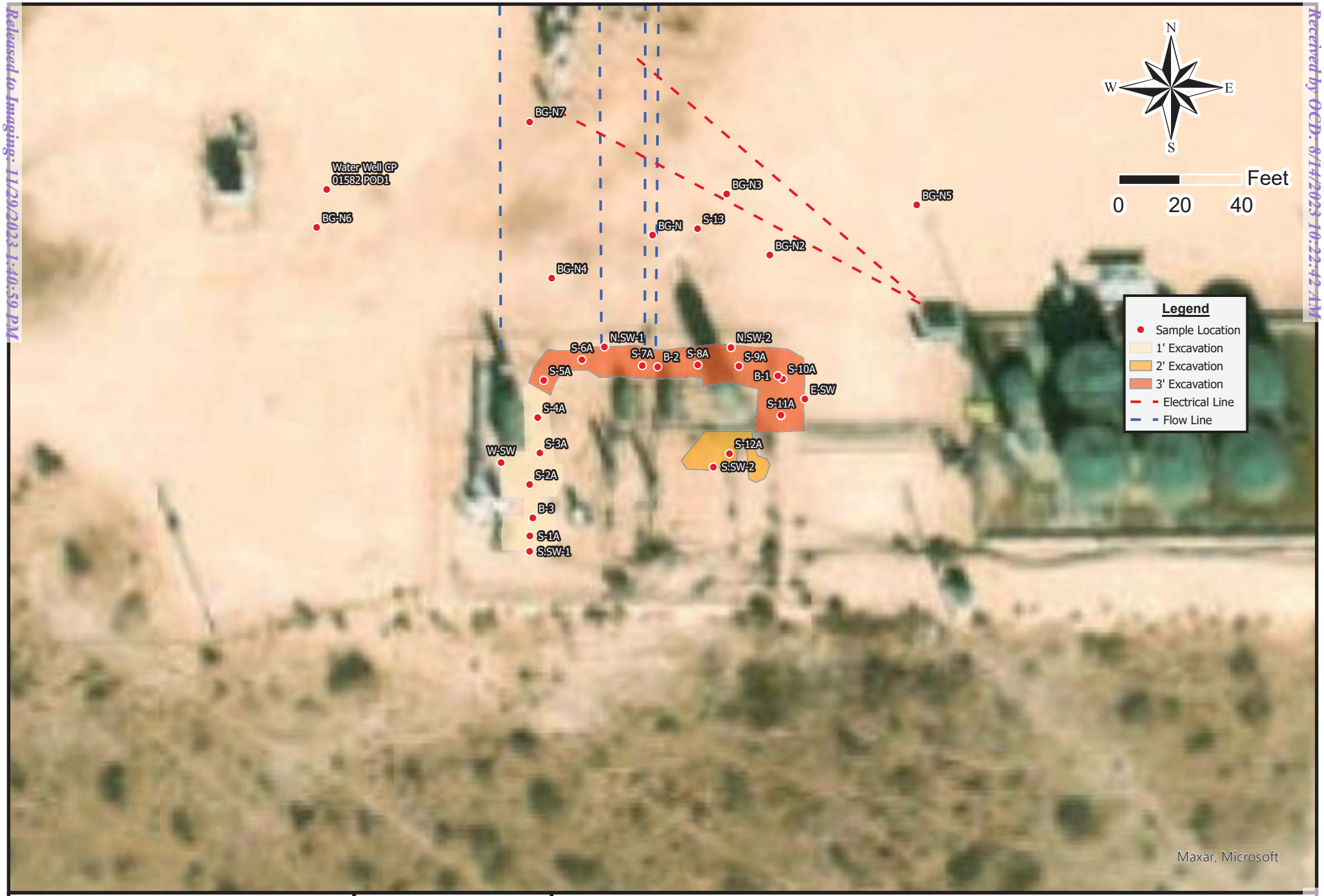
APPENDIX I

SITE MAPS

TALON LPE

Drafted: 10/5/2022
1 in = 50 ft
Drafted By: JAI

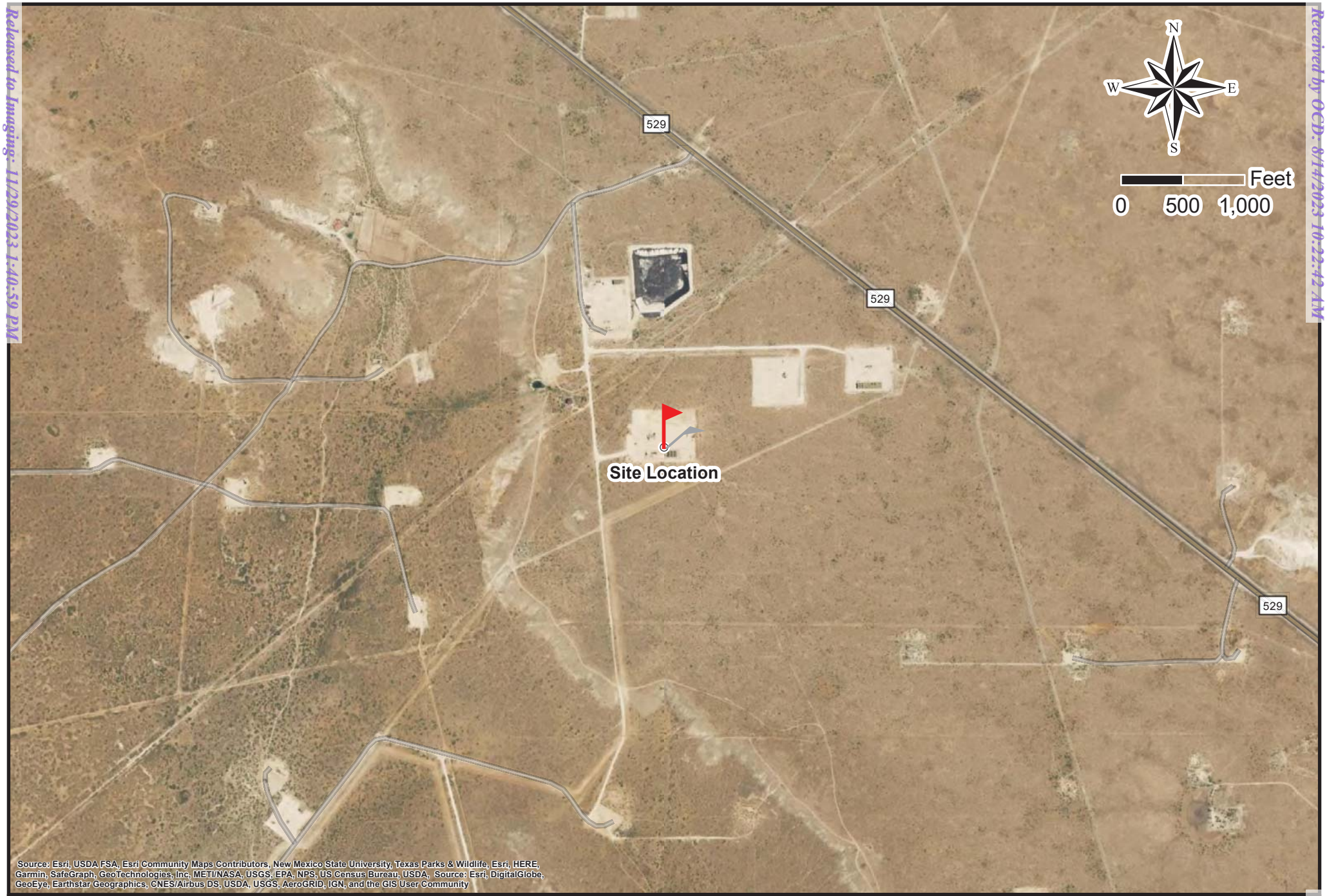
Prima Exploration, Inc.
EK 29 BS2 Federal Com #001H Battery
Lea County, New Mexico
Incident # nAPP2208459113
Figure 1 - Site Assessment Map



TALON LPE

Drafted: 3/31/2023
1 in = 40 ft
Drafted By: JAI

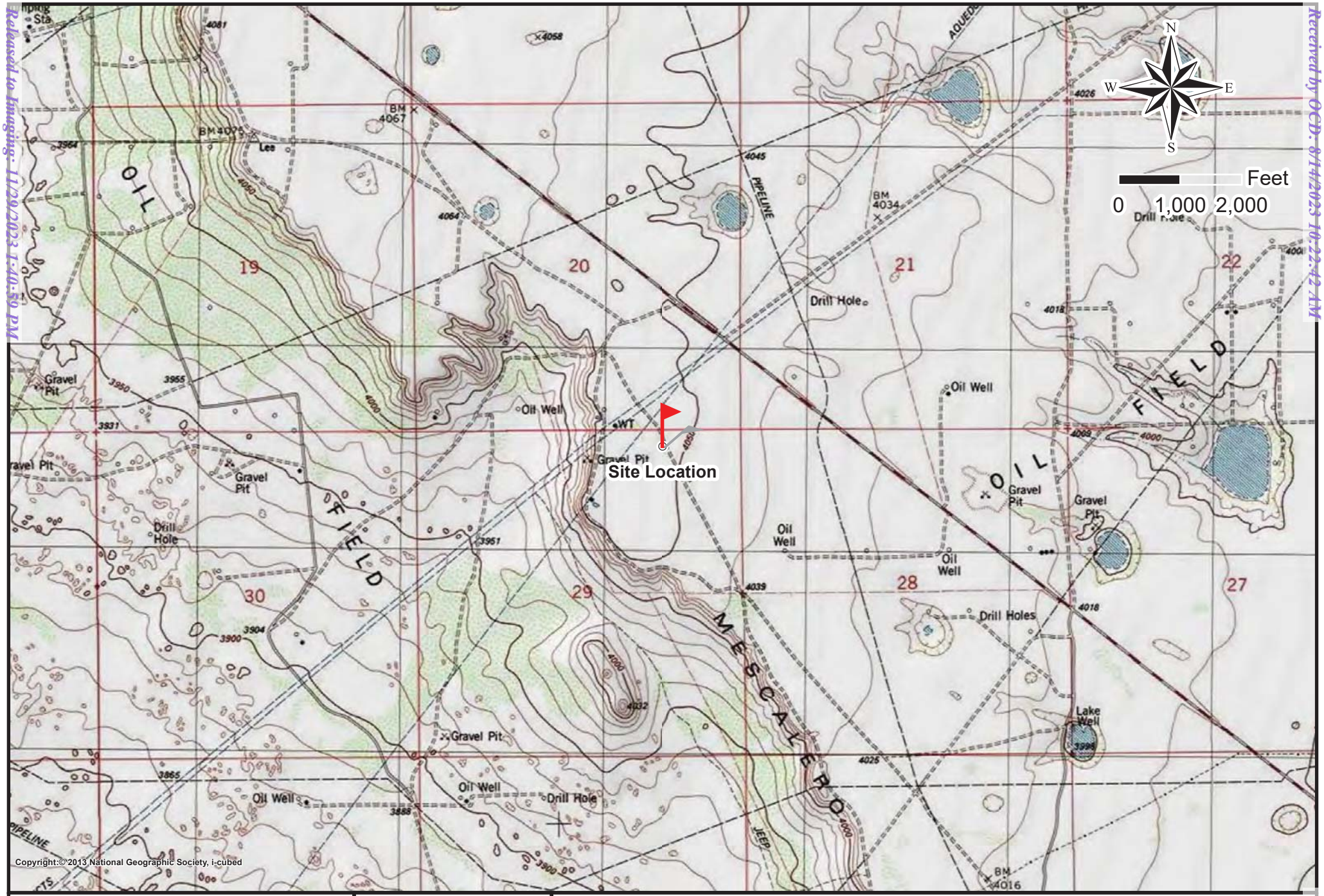
Prima Exploration, Inc.
EK 29 BS2 Federal Com #001H Battery
Lea County, New Mexico
Incident # nAPP2208459113
Figure 2 - Updated Confirmation Sample Map



TALON LPE

Drafted: 9/2/2022
1 in = 1,000 ft
Drafted By: JAI

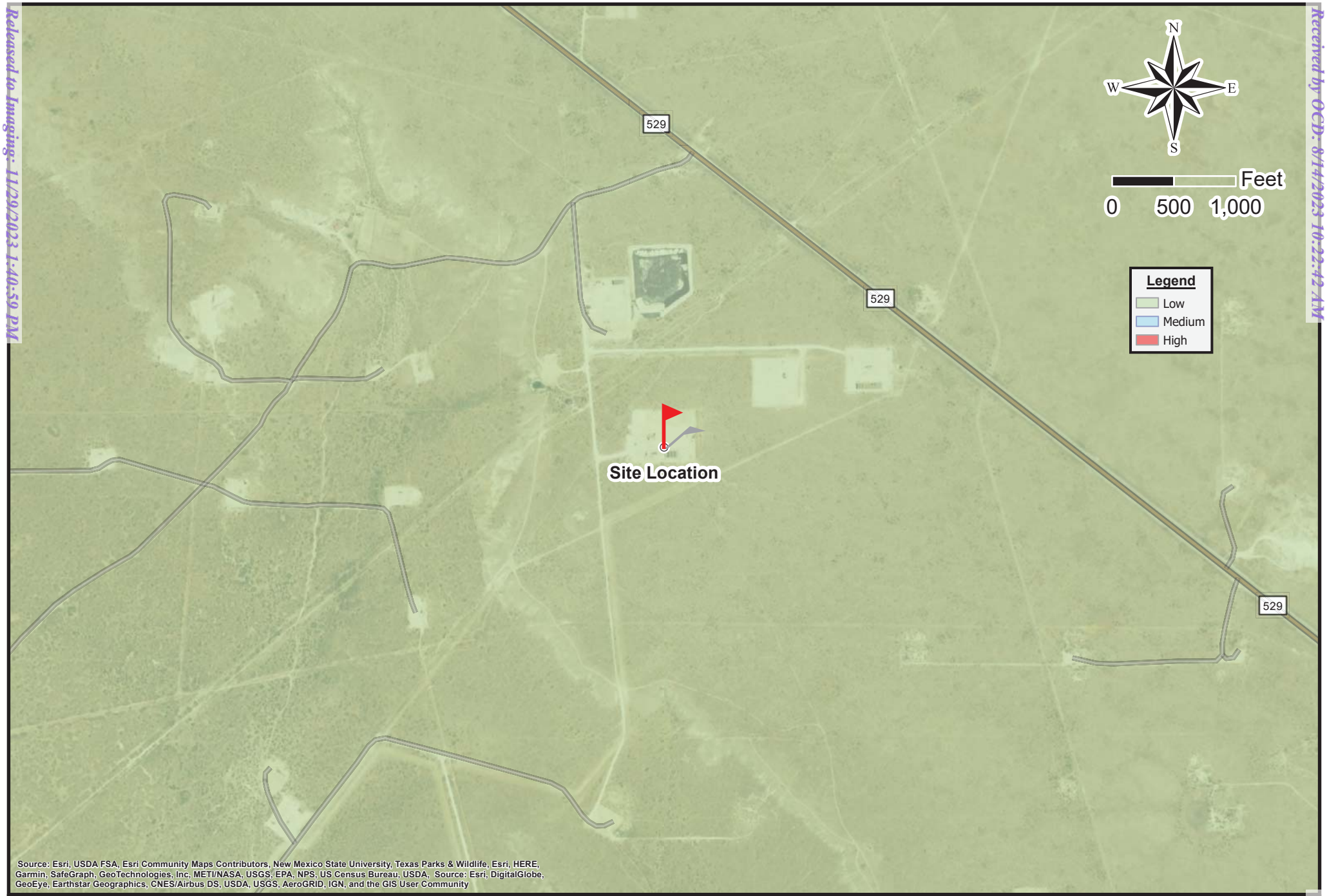
Prima Exploration, Inc.
EK 29 BS2 Federal Com #001H Battery
Lea County, New Mexico
Incident # nAPP2208459113
Figure 3 - Site Location Map



TALON LPE

Drafted: 9/2/2022
1 in = 2,000 ft
Drafted By: JAI

Prima Exploration, Inc.
EK 29 BS2 Federal Com #001H Battery
Lea County, New Mexico
Incident # nAPP2208459113
Figure 4 - Topographic Map



TALON LPE

Drafted: 9/2/2022
1 in = 1,000 ft
Drafted By: JAI

Prima Exploration, Inc.
EK 29 BS2 Federal Com #001H Battery
Lea County, New Mexico
Incident # nAPP2208459113
Figure 5 - Karst Map

APPENDIX II

GROUNDWATER DATA

SOIL SURVEY

FEMA FLOOD MAP

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

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01582 POD1		CP	LE	2	1	2	29	18S	34E	633167	3621715	39	180	180	0
L 13563 POD1		L	LE	4	4	4	20	18S	34E	633506	3621920	356	200		
L 10345 POD2		L	LE		2	3	20	18S	34E	632620	3622393*	882	130	120	10
L 10346		L	LE			3	20	18S	34E	632425	3622187*	902	130		
L 10436		L	LE			3	20	18S	34E	632425	3622187*	902	120	80	40
L 09752		L	LE	3	1	2	20	18S	34E	632968	3623188	1476	179	130	49
L 13526 POD1		L	LE	2	2	1	20	18S	34E	632769	3623271	1601	196	106	90
L 02499 POD3		L	LE	1	1	1	27	18S	34E	635252	3621814	2049	180	121	59
L 13634 POD1		L	LE	3	3	1	27	18S	34E	635352	3621122	2232	182	152	30
L 09750		L	LE		3	3	22	18S	34E	635440	3622029*	2256	200		
L 10202		L	LE		4	4	28	18S	34E	635065	3620414*	2280	70	50	20
L 13211 POD1		L	LE	4	3	4	16	18S	34E	634629	3623592	2344	140		
L 10236		L	LE		3	3	27	18S	34E	635466	3620420*	2614			
L 10344 POD2		L	LE		3	3	27	18S	34E	635466	3620420*	2614	142	112	30
L 05882		L	LE		1	4	16	18S	34E	634605	3624030*	2692	230	110	120
CP 01584 POD1		CP	LE	2	1	3	30	18S	34E	630654	3620788	2718	500		
L 03436		L	LE		1	4	18	18S	34E	631230	3623771	2838	170	125	45

Average Depth to Water: **116 feet**
Minimum Depth: **50 feet**
Maximum Depth: **180 feet**

Record Count: 17

UTMNAD83 Radius Search (in meters):

Easting (X): 633203.63 **Northing (Y):** 3621730.95 **Radius:** 3000

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

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 01582 POD1	2	1	2	29	18S	34E	633167	3621715

Driller License: 1611 **Driller Company:** GOERTZEN DRILLING

Driller Name: GOERTZEN, JOHN

Drill Start Date: 07/12/2016 **Drill Finish Date:** 07/13/2016 **Plug Date:**

Log File Date: 07/22/2016 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 10.75 **Depth Well:** 180 feet **Depth Water:** 180 feet

Water Bearing Stratifications:	Top	Bottom	Description
	52	150	Sandstone/Gravel/Conglomerate
	150	175	Sandstone/Gravel/Conglomerate
	175	180	Other/Unknown

Casing Perforations:	Top	Bottom
	0	180

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NUMBER (WELL NUMBER): CP-1582 POD 1	OSE FILE NUMBER(S): CP-1582
WELL OWNER NAME(S): CHRIS CAPLIS, VP DRILL & COMPLETION	PHONE (OPTIONAL):
WELL OWNER MAILING ADDRESS: 1050 17TH STREET, STE 2500	CITY: DENVER STATE: CO ZIP: 80265

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	43	30.6624	N
LONGITUDE	103	34	44.49	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

NE/4, NE/4, NW/4, NE/4 SECTION 29, TOWNSHIP 18S, RANGE 34E

2. DRILLING & CASING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1611	JOHN GOERTZEN	GOERTZEN DRILLING

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
7/12/16	7/1316	180	180	108

COMPLETED WELL IS: ( ) ARTESIAN ( ) DRY HOLE ( ) SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): 108

DRILLING FLUID: ( ) AIR ( ) MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ( ) ROTARY ( ) HAMMER ( ) CABLE TOOL ( ) OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	180	14	STEEL		10 3/4		1/4

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	20		CEMENT	14 8LB BAGS	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	35		CALICHE	○ Y ◉ N	
35	48		SAND STONE	○ Y ◉ N	
48	52		ROCK	○ Y ◉ N	
52	150		SAND	◉ Y ○ N	
150	175		SAND & GRAVEL	◉ Y ○ N	
175	180		RED BED	◉ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ○ PUMP ○ AIR LIFT ○ BAILER ○ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm):

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

John Goerten

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 2 OF 2

Custom Soil Resource Report
Soil Map

Map Scale: 1:2,570 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 35 70 140 210

Feet
0 100 200 400 600

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

Lea County, New Mexico

KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw46
Elevation: 2,500 to 4,800 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 45 percent
Lea and similar soils: 25 percent
Minor components: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough

Setting

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

Typical profile

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

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Description of Lea

Setting

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

Typical profile

A - 0 to 10 inches: loam
Bk - 10 to 18 inches: loam
Bkk - 18 to 26 inches: gravelly fine sandy loam
Bkkm - 26 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 22 to 30 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 3.0
Available water supply, 0 to 60 inches: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Hydric soil rating: No

Minor Components

Douro

Percent of map unit: 12 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Other vegetative classification: Unnamed (G077DH000TX)
Hydric soil rating: No

Kenhill

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

Spraberry

Percent of map unit: 6 percent
Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Other vegetative classification: Unnamed (G077DH000TX)
Hydric soil rating: No

TF—Tonuco loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw3c
Elevation: 3,280 to 4,460 feet
Mean annual precipitation: 10 to 16 inches
Mean annual air temperature: 59 to 64 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Tonuco and similar soils: 70 percent
Minor components: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Tonuco

Setting

Landform: Ridges, plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits

Typical profile

A - 0 to 12 inches: loamy fine sand
Bw - 12 to 17 inches: loamy sand
Bkkm - 17 to 39 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 12 to 20 inches to petrocalcic
Drainage class: Excessively drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None

Calcium carbonate, maximum content: 2 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: R077DY048TX - Shallow 12-17" PZ
Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 15 percent
Landform: Ridges, plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R042XC002NM - Shallow Sandy
Hydric soil rating: No

Berino

Percent of map unit: 10 percent
Landform: Ridges, plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

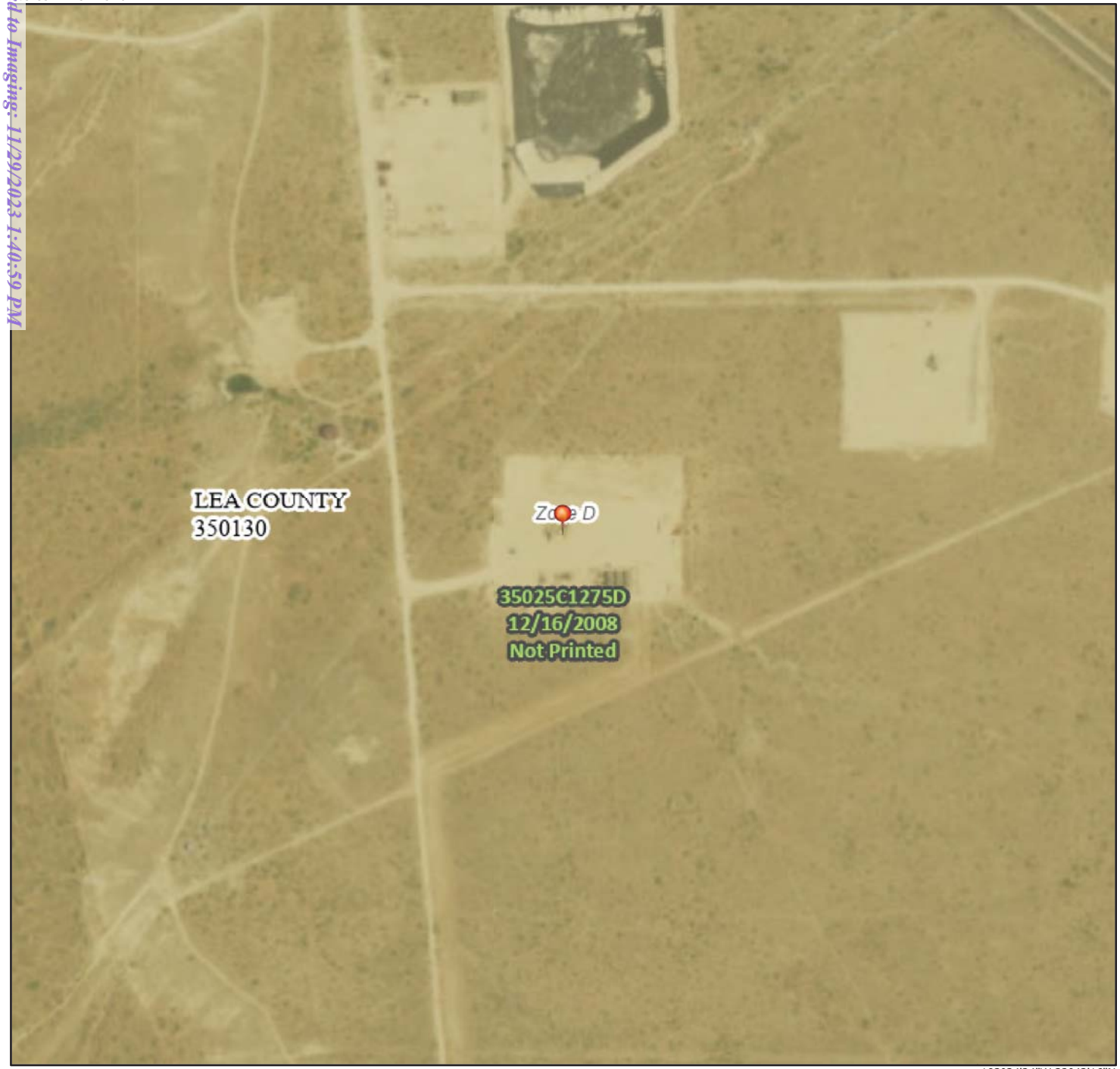
Cacique

Percent of map unit: 5 percent
Landform: Ridges, plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R042XC004NM - Sandy
Hydric soil rating: No

National Flood Hazard Layer FIRMette

FEMA

103°35'1"W 32°43'46"N



103°34'24"W 32°43'16"N

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

1:6,000

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

Legend

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

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

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

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

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

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

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

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/25/2022 at 4:11 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

APPENDIX III

C-141 FORMS

NMOCD CORRESPONDENCE

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NAPP2208459113
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Prima Exploration, Inc.	OGRID 329344
Contact Name: Michelle A. Hulstrom	Contact Telephone 303-755-5681 x108
Contact email mhulstrom@primaex.com	Incident # *(assigned by OCD) NAPP2208459113*
Contact mailing address 250 Fillmore Street, Suite 500 Denver,	CO 80206

Location of Release Source

Latitude 32.7253286 Longitude -103.5785282
(NAD 83 in decimal degrees to 5 decimal places)

Site Name EK29 BS2 Federal Com 1H	Site Type: Oil Tank Battery
Date Release Discovered 03/24/2022	API# 30-025-43687

Unit Letter	Section	Township	Range	County
B	29	T18S	R34E	Lea

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released 18 bbls	Volume Recovered 18 bbls
☒ Produced Water	Volume Released (bbls) 44 bbls	Volume Recovered 42 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The heater treater on the well developed a hole in the fire tube caused by corrosion. The leak was discovered in the morning and the amount was 6 to 8 bbls of produced water only. Several calls were made for a vac truck and hot oil truck to help, but none were available until late afternoon, causing the treater to drain completely. All fluids were contained in the berm and estimated volume is 62 bbls fluid with 60 bbls fluid recovered. Approximately 18 bbls of oil and 42 bbls of produced water.
Prima notified Mike Bratcher with NMOCD by phone, and also filed an NOR online, the next morning. Prima also notified Jim Amos with the BLM, by phone.S

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2208459113
District RP	
Facility ID	
Application ID	

Was this a major release a defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The total volume of the spill 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)? Chris Stevenson and Michelle Hulstrom, from Prima Exploration, Inc. notified Mike Bratcher by phone on 03-24-2022, within 24 hours of the reported spill. An NOR was also submitted online the next morning, 03-25-2022. Jim Amos, with the BLM, was also notified by phone.	

Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why: David Adkins with Talon, is working on the clean up efforts.

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: _Michelle A. Hulstrom_____ Title: ___Operations Tech _____

Signature: _____ Date: 04-03-2022_____

email: _mhulstrom@primaex.com_____ Telephone: _____303-755-5681 x108_____

OCD Only

Received by: Jocelyn Harimon Date: 04/04/2022

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2208459113
District RP	
Facility ID	API 30-025-43687
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	180' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2208459113
District RP	
Facility ID	API 30-025-43687
Application ID	

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

Printed Name: Chris Stevenson

Title: Petroleum Engineer

Signature: 

Date: 6/28/2022

email: cstevenson@primaex.com

Telephone: 303.755.5681 x-109

OCD Only

Received by: _____

Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2208459113
District RP	
Facility ID	API 30-025-43687
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: Chris Stevenson
Title: Petroleum Engineer

Signature: Chris Stevenson
Date: 07/17/2023

email: cstevenson@primax.com
Telephone: 303.755.5681 X 109

OCD Only

Received by: _____ Date: _____

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

Signature: Nelson Velez
Date: 11/29/2023

Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.

David J. Adkins

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Tuesday, May 3, 2022 2:34 PM
To: David J. Adkins
Cc: Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject: FW: [EXTERNAL] Prima Exploration, EK29 BS2 Fed Com 1 Battery

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

David,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Tuesday, May 3, 2022 1:59 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Subject: Fw: [EXTERNAL] Prima Exploration, EK29 BS2 Fed Com 1 Battery

---

From: David J. Adkins <dadkins@talonlpe.com>
Sent: Tuesday, May 3, 2022 1:57 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>; blm_nm_cfo_spill@blm.gov <blm_nm_cfo_spill@blm.gov>
Subject: [EXTERNAL] Prima Exploration, EK29 BS2 Fed Com 1 Battery

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

It is the intent of this correspondence to provide 48-hour confirmation sampling notification for the above referenced site. Incident # nAPP2208459113. Anticipated sample date is May 5, 2022, at 2pm.
Thank you.

Respectfully,

David J. Adkins
Regional Manager
Office: 575.746.8768 x702
Direct: 575.616.4022
Cell: 575.441.4835
Fax: 575.746.8905
Emergency: 866.742.0742
Web: www.talonlpe.com

Kayla Taylor

From: Rebecca Pons
Sent: Friday, July 22, 2022 2:42 PM
To: Enviro, OCD, EMNRD
Subject: naPP2208459113

Good Afternoon,
I am writing to notify you that we will commence confirmation sampling of the sidewalls and bottom of excavated area on Monday, July 25, at approximately 8:00 AM.

Best Regards,

Rebecca Pons

Rebecca Pons
Senior Environmental Project Manager
Office: 575.746.8768 x708
Direct: 575.616.4023
Cell: 575.441.0980
Fax: 575.746.8905
Emergency: 866.742.0742
Web: www.talonlpe.com

David J. Adkins

From: Chris Stevenson <cstevenson@primaex.com>
Sent: Wednesday, July 13, 2022 5:07 PM
To: David J. Adkins; Kayla Taylor
Cc: Michelle Hulstrom
Subject: FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 123521

David, we received this response to the final closure report on the EK 29 Bty spill. Please advise.

Chris Stevenson
Petroleum Engineer
Prima Exploration Inc.

PRIMA EXPLORATION, INC.

250 Fillmore Street, Suite 500
Denver, CO 80206
Office: (303) 755-5681 x 109
Direct: (303) 268-0921
cstevenson@primaex.com

From: Michelle Hulstrom <mhulstrom@primaex.com>
Sent: Wednesday, July 13, 2022 5:03 PM
To: Chris Stevenson <cstevenson@primaex.com>
Subject: FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 123521

Hi Chris:

I just received this on the NM Spill Report –

Michelle

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, July 13, 2022 4:38 PM
To: Michelle Hulstrom <mhulstrom@primaex.com>
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 123521

To whom it may concern (c/o Michelle Hulstrom for Prima Exploration, Inc.),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2208459113,
for the following reasons:

- **Does not appear to be horizontally defined to 600 ppm CL on pad. Sidewall samples taken may be ok, but perhaps not enough locations, also not sure depth to water assessed insde1/2 mile radius.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 123521.
Please review and make the required correction(s) prior to resubmitting.
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Bradford Billings
Hydrologist/E.Spec.A
505-670-6549
bradford.billings@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: Nobui, Jennifer, EMNRD
To: David J. Adkins
Cc: Chris Stevenson; Kayla Taylor; Bratcher, Michael, EMNRD; Harimon, Jocelyn, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] Extension request, Prima Exploration, EK29-1H, nAPP2208459113
Date: Thursday, December 15, 2022 4:43:57 PM
Attachments: image001.png

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

Hello David

Based on this email and the previous email sent on 12/14/2022, OCD approves your request for a 30-day extension to January 16, 2023 to submit a revised closure report. Please include a copy of this and all notifications in the closure report to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: David J. Adkins <dadkins@talonlpe.com>
Sent: Thursday, December 15, 2022 3:39 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Cc: Chris Stevenson <cstevenson@primaex.com>; Kayla Taylor <ktaylor@talonlpe.com>
Subject: [EXTERNAL] Extension request, Prima Exploration, EK29-1H, nAPP2208459113

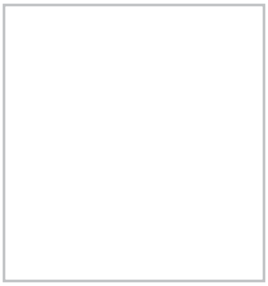
CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon Jennifer,

It is the intent of this correspondence to request a 30-day extension for the above referenced project. Thank you.

Respectfully submitted,

David J. Adkins
Regional Manager
Office: 575.746.8768 x702
Direct: 575.616.4022
Cell: 575.441.4835
Fax: 575.746.8905
Emergency: 866.742.0742
Web: **www.talonlpe.com**



At Talon/LPE, we are quality in all things, including communication. Have a question? Need a quote? Send an email to clientrelations@talonlpe.com.

OCD Permitting

[C-141] Release Corrective Action (C-141) Application

Submission Information

Submission ID:	150550	**Districts:**	Hobbs
Operator:	[329344] Prima Exploration, Inc.	**Counties:**	Lea
Description:	Prima Exploration, Inc. [329344] EK29 BS2 FEDERAL COM 1H nAPP2208459113 {Discovery: 03/24/2022, Active, , Federal}		
Status:	REJECTED		
Status Date:	11/15/2022		
References (1):	nAPP2208459113		

Forms

Attachments: C-141, Scaled Site Map, Photographs, Lab Analyses, Remediation Activities

Questions

This submission type does not have questions, at this time.

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

No conditions found for this submission.

Reasons

Summary: *jnobui (11/15/2022),* Closure Report Denied. First encountered DTW is 52-150' per drillers log for CP-01582. Chloride criteria that must be met is 10,000 mg/kg. Sample location BG-N needs additional lateral and vertical delineation and at 0' needs to be remediated with a chloride detection of 14,200 mg/kg. Please resubmit a revised closure report to the OCD portal by December 15, 2022.

1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

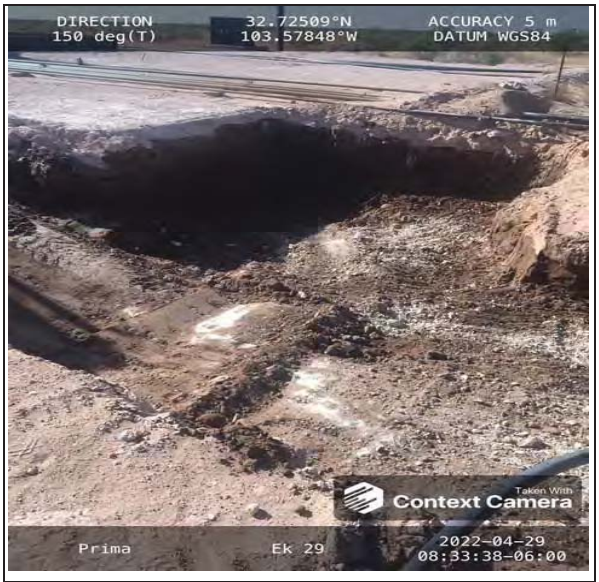
Prima Exploration, Inc. EK 29 BS2 Federal Com #001H
Lea County, New Mexico

Photograph No.1 Description:

View of surface scrape area.

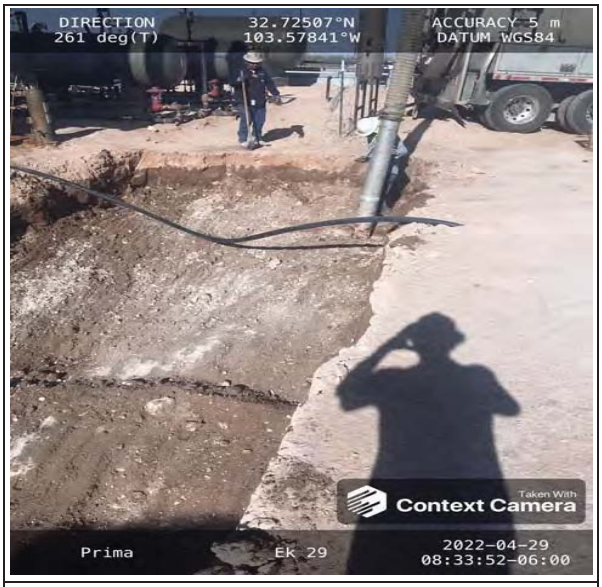
Photograph No.2 Description:

View of excavation.



Photograph No.3 Description:

View of excavation.



Photograph No.4 Description:

View of excavation.

Prima Exploration, Inc. EK 29 BS2 Federal Com #001H
Lea County, New Mexico

Photograph No.5 Description:

View of backfilled area.

Photograph No.6 Description:

View of backfilled area.

Photograph No.7 Description:

View of backfilled area, berm reconstruction.

Photograph No.8 Description:

View of backfilled area.

APPENDIX V

LABORATORY DATA

CARDINAL Laboratories

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

April 04, 2022

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EK 29 BS2 FEDERAL COM 001H

Enclosed are the results of analyses for samples received by the laboratory on 03/30/22 14:11.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/30/2022	Sampling Date:	03/28/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: S - 1 0-1' R (H221275-01)

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	04/02/2022	ND	2.02	101	2.00	2.71	
Toluene*	<0.050	0.050	04/02/2022	ND	2.05	103	2.00	3.25	
Ethylbenzene*	<0.050	0.050	04/02/2022	ND	1.98	98.9	2.00	2.87	
Total Xylenes*	<0.150	0.150	04/02/2022	ND	5.80	96.6	6.00	3.30	
Total BTEX	<0.300	0.300	04/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.7 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4280**	16.0	04/01/2022	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	195	97.3	200	1.17	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	184	92.2	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane *92.9 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *104 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/30/2022	Sampling Date:	03/28/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: S - 2 0-1' (H221275-02)

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	04/02/2022	ND	2.02	101	2.00	2.71	
Toluene*	<0.050	0.050	04/02/2022	ND	2.05	103	2.00	3.25	
Ethylbenzene*	<0.050	0.050	04/02/2022	ND	1.98	98.9	2.00	2.87	
Total Xylenes*	<0.150	0.150	04/02/2022	ND	5.80	96.6	6.00	3.30	
Total BTEX	<0.300	0.300	04/02/2022	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**8930**	16.0	04/01/2022	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	195	97.3	200	1.17	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	184	92.2	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane *91.0 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *102 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/30/2022	Sampling Date:	03/28/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: S - 2 1.5' R (H221275-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2022	ND	2.02	101	2.00	2.71	
Toluene*	<0.050	0.050	04/02/2022	ND	2.05	103	2.00	3.25	
Ethylbenzene*	<0.050	0.050	04/02/2022	ND	1.98	98.9	2.00	2.87	
Total Xylenes*	<0.150	0.150	04/02/2022	ND	5.80	96.6	6.00	3.30	
Total BTEX	<0.300	0.300	04/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.8 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1620**	16.0	04/01/2022	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	195	97.3	200	1.17	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	184	92.2	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane *86.2 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *93.9 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/30/2022	Sampling Date:	03/28/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: S - 3 0-1' R (H221275-04)

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	04/02/2022	ND	2.02	101	2.00	2.71	
Toluene*	<0.050	0.050	04/02/2022	ND	2.05	103	2.00	3.25	
Ethylbenzene*	**0.099**	0.050	04/02/2022	ND	1.98	98.9	2.00	2.87	
Total Xylenes*	<0.150	0.150	04/02/2022	ND	5.80	96.6	6.00	3.30	
Total BTEX	<0.300	0.300	04/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.6 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1680**	16.0	04/01/2022	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	195	97.3	200	1.17	
DRO >C10-C28*	**39.9**	10.0	03/31/2022	ND	184	92.2	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane *99.1 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *111 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/30/2022	Sampling Date:	03/28/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: S - 4 0-1' (H221275-05)

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	04/02/2022	ND	2.02	101	2.00	2.71	
Toluene*	<0.050	0.050	04/02/2022	ND	2.05	103	2.00	3.25	
Ethylbenzene*	<0.050	0.050	04/02/2022	ND	1.98	98.9	2.00	2.87	
Total Xylenes*	<0.150	0.150	04/02/2022	ND	5.80	96.6	6.00	3.30	
Total BTEX	<0.300	0.300	04/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**8320**	16.0	04/01/2022	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	195	97.3	200	1.17	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	184	92.2	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane *91.6 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *101 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/30/2022	Sampling Date:	03/28/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: S - 4 2' R (H221275-06)

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	04/02/2022	ND	2.02	101	2.00	2.71	
Toluene*	**0.148**	0.050	04/02/2022	ND	2.05	103	2.00	3.25	
Ethylbenzene*	**0.197**	0.050	04/02/2022	ND	1.98	98.9	2.00	2.87	
Total Xylenes*	**0.212**	0.150	04/02/2022	ND	5.80	96.6	6.00	3.30	
Total BTEX	**0.557**	0.300	04/02/2022	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	**1570**	16.0	04/01/2022	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	195	97.3	200	1.17	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	184	92.2	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane *92.1 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *100 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/30/2022	Sampling Date:	03/28/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: S - 5 0-1' R (H221275-07)

BTEX 8021B mg/kg Analyzed By: JH S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**2.43**	2.00	04/02/2022	ND	2.02	101	2.00	2.71	
Toluene*	**80.1**	2.00	04/02/2022	ND	2.05	103	2.00	3.25	
Ethylbenzene*	**182**	2.00	04/02/2022	ND	1.98	98.9	2.00	2.87	
Total Xylenes*	**185**	6.00	04/02/2022	ND	5.80	96.6	6.00	3.30	
Total BTEX	**449**	12.0	04/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *159 %* *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	**688**	16.0	04/01/2022	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**3220**	100	04/01/2022	ND	195	97.3	200	1.17	
DRO >C10-C28*	**12700**	100	04/01/2022	ND	184	92.2	200	3.03	
EXT DRO >C28-C36	**1950**	100	04/01/2022	ND					

Surrogate: 1-Chlorooctane *748 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *983 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE
Project Manager: D. Adkins
Address: 408 W. Texas Ave
City: Artesia State: NM Zip: 88210
Phone #: 575.746.8768 Fax #:
Project #: 702678.002.02 Project Owner: Prima Exploratic
Project Name: EK 29 BS2 Federal Com 001H
Project Location: Lea County, NM
Sampler Name: M. Gomez

BILL TO
P.O. #:
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides	BTEX	TPH
H221275																	
1	S-1 0-1'R	G	1			X					X		3/28/22	8:00	X	X	X
2	S-2 0-1'													8:30			
3	S-2 1.5'R													8:38			
4	S-3 0-1'R													9:05			
5	S-4 0-1'													9:20			
6	S-4 2'R													9:26			
7	S-5 0-1'R													10:56			

Relinquished By: Matthew Gomez Date: 3.30.22 Time: 1411 Received By: SRodriguez
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) 3.3°C IC-0.5°C 2.8°C #113
Sampler - UPS - Bus - Other:

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No
CHECKED BY: (Initials) SR

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

Page 1 of 1

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

CARDINAL Laboratories

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

April 05, 2022

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EK 29 BS2 FEDERAL COM 001H

Enclosed are the results of analyses for samples received by the laboratory on 03/30/22 14:11.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/30/2022	Sampling Date:	03/28/2022
Reported:	04/05/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: BG - N 0' (H221276-01)

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	04/02/2022	ND	2.02	101	2.00	2.71	
Toluene*	<0.050	0.050	04/02/2022	ND	2.05	103	2.00	3.25	
Ethylbenzene*	<0.050	0.050	04/02/2022	ND	1.98	98.9	2.00	2.87	
Total Xylenes*	<0.150	0.150	04/02/2022	ND	5.80	96.6	6.00	3.30	
Total BTEX	<0.300	0.300	04/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.3 %* *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	**14200**	16.0	04/01/2022	ND	400	100	400	7.69	

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	04/01/2022	ND	195	97.3	200	1.17	
DRO >C10-C28*	**612**	10.0	04/01/2022	ND	184	92.2	200	3.03	
EXT DRO >C28-C36	**239**	10.0	04/01/2022	ND					

Surrogate: 1-Chlorooctane *87.3 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *173 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/30/2022	Sampling Date:	03/28/2022
Reported:	04/05/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: BG - S 0' (H221276-02)

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	04/02/2022	ND	2.02	101	2.00	2.71	
Toluene*	**2.29**	0.050	04/02/2022	ND	2.05	103	2.00	3.25	
Ethylbenzene*	**2.73**	0.050	04/02/2022	ND	1.98	98.9	2.00	2.87	
Total Xylenes*	**2.63**	0.150	04/02/2022	ND	5.80	96.6	6.00	3.30	
Total BTEX	**7.65**	0.300	04/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *125 %* *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	**96.0**	16.0	04/01/2022	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**19.7**	10.0	03/31/2022	ND	195	97.3	200	1.17	
DRO >C10-C28*	**27.0**	10.0	03/31/2022	ND	184	92.2	200	3.03	
EXT DRO >C28-C36	**13.9**	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane *88.4 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *96.2 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/30/2022	Sampling Date:	03/28/2022
Reported:	04/05/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: BG - W 0' (H221276-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838	
Toluene*	**0.059**	0.050	04/01/2022	ND	2.09	105	2.00	1.00	
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378	
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189	
Total BTEX	<0.300	0.300	04/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**352**	16.0	04/01/2022	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	195	97.3	200	1.17	
DRO >C10-C28*	**22.4**	10.0	03/31/2022	ND	184	92.2	200	3.03	
EXT DRO >C28-C36	**12.1**	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane *82.7 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *92.2 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Talon LPE
Project Manager:	D. Adkins
Address:	408 W. Texas Ave
City:	Artesia
State:	NM
Zip:	88210
Phone #:	575.746.8768
Fax #:	
Project #:	702678.002.02
Project Owner:	Prima Exploratic
Project Name:	EK 29 BS2 Federal Com 001H
Project Location:	Lea County, NM
Sampler Name:	M. Gomez

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides	BTEX	TPH
H221876																	
1	BG-N 0'	G	1			X					X		3/28/22	11:36	X	X	X
2	BG-S 0'	1	1			1					1		1	11:42	1	1	1
3	BG-W 0'	1	1			1					1		1	11:39	1	1	1

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Matthew Gomez	Date: 3.30.22 Time: 1411	Received By:
Relinquished By:		Date: Time:	Received By:
Delivered By: (Circle One)	Sampler - UPS - Bus - Other:	3.3°C JC-0.5°C 2.8°C #113	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No
CHECKED BY: (Initials)			

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

Page 1 of 1

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CARDINAL Laboratories

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

April 25, 2022

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EK 29 BS2 FEDERAL COM 001H

Enclosed are the results of analyses for samples received by the laboratory on 04/20/22 13:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/20/2022	Sampling Date:	04/19/2022
Reported:	04/25/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: B - 1 3' (H221624-01)

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	04/23/2022	ND	2.16	108	2.00	4.24	
Toluene*	<0.050	0.050	04/23/2022	ND	2.15	107	2.00	3.83	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	105	2.00	3.93	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.53	109	6.00	4.51	
Total BTEX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *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	**1060**	16.0	04/22/2022	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	04/22/2022	ND	215	108	200	5.75	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane *94.2 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *92.7 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/20/2022	Sampling Date:	04/19/2022
Reported:	04/25/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: B - 1 4' (H221624-02)

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	04/23/2022	ND	2.16	108	2.00	4.24	
Toluene*	<0.050	0.050	04/23/2022	ND	2.15	107	2.00	3.83	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	105	2.00	3.93	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.53	109	6.00	4.51	
Total BTEX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *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	**656**	16.0	04/22/2022	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	04/22/2022	ND	215	108	200	5.75	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane *92.9 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *91.6 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/20/2022	Sampling Date:	04/19/2022
Reported:	04/25/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: B - 1 5' R (H221624-03)

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	04/23/2022	ND	2.16	108	2.00	4.24	
Toluene*	<0.050	0.050	04/23/2022	ND	2.15	107	2.00	3.83	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	105	2.00	3.93	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.53	109	6.00	4.51	
Total BTEX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *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	**384**	16.0	04/22/2022	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	04/22/2022	ND	215	108	200	5.75	
DRO >C10-C28*	**16.0**	10.0	04/22/2022	ND	237	118	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane *93.0 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *92.7 %* *59.5-142*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/20/2022	Sampling Date:	04/19/2022
Reported:	04/25/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: B - 2 3' (H221624-04)

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	04/23/2022	ND	2.16	108	2.00	4.24	
Toluene*	<0.050	0.050	04/23/2022	ND	2.15	107	2.00	3.83	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	105	2.00	3.93	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.53	109	6.00	4.51	
Total BTEX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *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	**1390**	16.0	04/22/2022	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	04/22/2022	ND	215	108	200	5.75	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane *91.8 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *90.4 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/20/2022	Sampling Date:	04/19/2022
Reported:	04/25/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: B - 2 4' R (H221624-05)

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	04/23/2022	ND	2.16	108	2.00	4.24	
Toluene*	<0.050	0.050	04/23/2022	ND	2.15	107	2.00	3.83	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	105	2.00	3.93	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.53	109	6.00	4.51	
Total BTEX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *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	**3920**	16.0	04/22/2022	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	04/22/2022	ND	215	108	200	5.75	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane *94.8 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *93.2 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/20/2022	Sampling Date:	04/19/2022
Reported:	04/25/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: B - 3 0-1' (H221624-06)

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	04/23/2022	ND	2.20	110	2.00	5.39	
Toluene*	<0.050	0.050	04/23/2022	ND	2.17	108	2.00	6.38	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.16	108	2.00	5.01	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.70	112	6.00	5.23	
Total BTEX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *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	**2800**	16.0	04/22/2022	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	04/22/2022	ND	215	108	200	5.75	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane *90.2 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *88.3 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/20/2022	Sampling Date:	04/19/2022
Reported:	04/25/2022	Sampling Type:	Soil
Project Name:	EK 29 BS2 FEDERAL COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Shalyn Rodriguez
Project Location:	PRIMA EXPLORATION - LEA CO NM		

Sample ID: B - 3 2' R (H221624-07)

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	04/23/2022	ND	2.20	110	2.00	5.39	
Toluene*	<0.050	0.050	04/23/2022	ND	2.17	108	2.00	6.38	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.16	108	2.00	5.01	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.70	112	6.00	5.23	
Total BTEX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *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	**512**	16.0	04/22/2022	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	04/22/2022	ND	215	108	200	5.75	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane *93.8 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *93.1 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Talon LPE
Project Manager:	D. Adkins
Address:	408 W. Texas Ave
City:	Artesia
State:	NM
Zip:	88210
Phone #:	575.746.8768
Fax #:	
Project #:	702678.002.02
Project Owner:	Prima
Project Name:	EK29 BS2 Fed Com #001
Project Location:	Lea County, NM
Sampler Name:	J. Carnes A. Parra

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides	TPH	BTEX
H221624																	
1	B-1 3'	G	1			X					X		4-19-22	9:00	X	X	X
2	B-1 4'													9:02			
3	B-1 5' R													9:15			
4	B-2 3'													9:45			
5	B-2 4' R													12:45			
6	B-3 0-1'													10:15			
7	B-3 2' R													10:17			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental 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: 4-20-22	Received By:	
Relinquished By:	Time: 1330	Received By:	
	Date:		
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 5.3° C-0.5° 4.8° #113

Sample Condition: Cool: Yes / No; Intact: Yes / No

CHECKED BY: (Initials)

Phone Result:	☐ Yes	☐ No	Add'l Phone #:
Fax Result:	☐ Yes	☐ No	Add'l Fax #:
REMARKS:			

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2291-1
Laboratory Sample Delivery Group: 702678.002.02
Client Project/Site: Prima EK 29

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

Attn: David Adkins

JKramer

Authorized for release by:
5/16/2022 9:37:20 PM

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

Client: Talon/LPE
Project/Site: Prima EK 29

Laboratory Job ID: 890-2291-1
SDG: 702678.002.02

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
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.

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

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

Job ID: 890-2291-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2291-1

Receipt
The samples were received on 5/9/2022 10:54 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

GC VOA
Method 8021B: Benzene biased low in LCSD. Since only an acceptable LCS is required per the method, the data has been qualified and reported.(LCSD 880-25562/2-A)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-25562 and analytical batch 880-25560 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.

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-25316 and analytical batch 880-25321 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
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-25250 and 880-25250 and analytical batch 880-25376 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

Client Sample ID: B-2 4.5' R

Lab Sample ID: 890-2291-1
Matrix: Solid
Date Collected: 05/05/22 00:00
Date Received: 05/09/22 10:54
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0562	*-	0.00200	0.000385	mg/Kg		05/14/22 12:27	05/15/22 08:13	1
Toluene	0.0501		0.00200	0.000456	mg/Kg		05/14/22 12:27	05/15/22 08:13	1
Ethylbenzene	0.00827		0.00200	0.000565	mg/Kg		05/14/22 12:27	05/15/22 08:13	1
m-Xylene & p-Xylene	0.00641		0.00400	0.00101	mg/Kg		05/14/22 12:27	05/15/22 08:13	1
o-Xylene	0.00147	J	0.00200	0.000344	mg/Kg		05/14/22 12:27	05/15/22 08:13	1
Xylenes, Total	0.00788		0.00400	0.00101	mg/Kg		05/14/22 12:27	05/15/22 08:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*05/14/22 12:27*	*05/15/22 08:13*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/14/22 12:27*	*05/15/22 08:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.122		0.00400	0.00101	mg/Kg			05/16/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	92.5		50.0	15.0	mg/Kg			05/12/22 09:42	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	25.8	J B	50.0	15.0	mg/Kg		05/11/22 09:33	05/11/22 12:09	1
Diesel Range Organics (Over C10-C28)	44.0	J B F1	50.0	15.0	mg/Kg		05/11/22 09:33	05/11/22 12:09	1
Oil Range Organics (Over C28-C36)	22.7	J B	50.0	15.0	mg/Kg		05/11/22 09:33	05/11/22 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/11/22 09:33*	*05/11/22 12:09*	*1*
o-Terphenyl	*109*		*70 - 130*	*05/11/22 09:33*	*05/11/22 12:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		5.04	0.865	mg/Kg			05/12/22 10:17	1

Client Sample ID: N.SIDE WALL #1

Lab Sample ID: 890-2291-2
Matrix: Solid
Date Collected: 05/05/22 00:00
Date Received: 05/09/22 10:54
Sample Depth: 2.0

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00116	J *-	0.00198	0.000382	mg/Kg		05/14/22 12:27	05/15/22 08:33	1
Toluene	0.00255		0.00198	0.000452	mg/Kg		05/14/22 12:27	05/15/22 08:33	1
Ethylbenzene	0.000619	J	0.00198	0.000561	mg/Kg		05/14/22 12:27	05/15/22 08:33	1
m-Xylene & p-Xylene	<0.00100	U	0.00397	0.00100	mg/Kg		05/14/22 12:27	05/15/22 08:33	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		05/14/22 12:27	05/15/22 08:33	1
Xylenes, Total	<0.00100	U	0.00397	0.00100	mg/Kg		05/14/22 12:27	05/15/22 08:33	1

Client Sample Results

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

Client Sample ID: N.SIDE WALL #1

Lab Sample ID: 890-2291-2
Matrix: Solid

Date Collected: 05/05/22 00:00
Date Received: 05/09/22 10:54
Sample Depth: 2.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/14/22 12:27*	*05/15/22 08:33*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/14/22 12:27*	*05/15/22 08:33*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00433**		0.00397	0.00100	mg/Kg			05/16/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**42.4**	**J**	49.9	15.0	mg/Kg			05/12/22 09:42	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	**23.2**	**J B**	49.9	15.0	mg/Kg		05/11/22 09:33	05/11/22 13:14	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		05/11/22 09:33	05/11/22 13:14	1
Oil Range Organics (Over C28-C36)	**19.2**	**J B**	49.9	15.0	mg/Kg		05/11/22 09:33	05/11/22 13:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*90*		*70 - 130*	*05/11/22 09:33*	*05/11/22 13:14*	*1*
o-Terphenyl	*94*		*70 - 130*	*05/11/22 09:33*	*05/11/22 13:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.0**		4.97	0.853	mg/Kg			05/12/22 10:41	1

Client Sample ID: N.SIDE WALL #2

Lab Sample ID: 890-2291-3
Matrix: Solid

Date Collected: 05/05/22 00:00
Date Received: 05/09/22 10:54
Sample Depth: 2.0

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		05/15/22 16:33	05/16/22 12:06	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		05/15/22 16:33	05/16/22 12:06	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		05/15/22 16:33	05/16/22 12:06	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		05/15/22 16:33	05/16/22 12:06	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		05/15/22 16:33	05/16/22 12:06	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		05/15/22 16:33	05/16/22 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/15/22 16:33*	*05/16/22 12:06*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/15/22 16:33*	*05/16/22 12:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			05/16/22 09:21	1

Client Sample Results

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

Client Sample ID: N.SIDE WALL #2

Lab Sample ID: 890-2291-3
Matrix: Solid
Date Collected: 05/05/22 00:00
Date Received: 05/09/22 10:54
Sample Depth: 2.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	74.9		50.0	15.0	mg/Kg			05/12/22 09:42	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	36.0	J B	50.0	15.0	mg/Kg		05/11/22 09:33	05/11/22 13:35	1
Diesel Range Organics (Over C10-C28)	19.6	J B	50.0	15.0	mg/Kg		05/11/22 09:33	05/11/22 13:35	1
Oil Range Organics (Over C28-C36)	19.3	J B	50.0	15.0	mg/Kg		05/11/22 09:33	05/11/22 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/11/22 09:33*	*05/11/22 13:35*	*1*
o-Terphenyl	*110*		*70 - 130*	*05/11/22 09:33*	*05/11/22 13:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.0		4.95	0.850	mg/Kg			05/12/22 10:49	1

Client Sample ID: S.SIDE WALL

Lab Sample ID: 890-2291-4
Matrix: Solid
Date Collected: 05/05/22 00:00
Date Received: 05/09/22 10:54
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000619	J	0.00201	0.000387	mg/Kg		05/15/22 16:33	05/16/22 12:26	1
Toluene	0.00162	J	0.00201	0.000459	mg/Kg		05/15/22 16:33	05/16/22 12:26	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		05/15/22 16:33	05/16/22 12:26	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		05/15/22 16:33	05/16/22 12:26	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		05/15/22 16:33	05/16/22 12:26	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		05/15/22 16:33	05/16/22 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/15/22 16:33*	*05/16/22 12:26*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/15/22 16:33*	*05/16/22 12:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00224	J	0.00402	0.00102	mg/Kg			05/16/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	81.7		50.0	15.0	mg/Kg			05/12/22 09:42	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	34.1	J B	50.0	15.0	mg/Kg		05/11/22 09:33	05/11/22 13:57	1
Diesel Range Organics (Over C10-C28)	27.9	J B	50.0	15.0	mg/Kg		05/11/22 09:33	05/11/22 13:57	1

Client Sample Results

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

Client Sample ID: S.SIDE WALL

Lab Sample ID: 890-2291-4
Matrix: Solid
Date Collected: 05/05/22 00:00
Date Received: 05/09/22 10:54
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	19.7	J B	50.0	15.0	mg/Kg		05/11/22 09:33	05/11/22 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/11/22 09:33*	*05/11/22 13:57*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/11/22 09:33*	*05/11/22 13:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		4.99	0.857	mg/Kg			05/12/22 10:58	1

Client Sample ID: E.SIDE WALL

Lab Sample ID: 890-2291-5
Matrix: Solid
Date Collected: 05/05/22 00:00
Date Received: 05/09/22 10:54
Sample Depth: 3.0

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		05/15/22 16:33	05/16/22 12:47	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		05/15/22 16:33	05/16/22 12:47	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		05/15/22 16:33	05/16/22 12:47	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		05/15/22 16:33	05/16/22 12:47	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		05/15/22 16:33	05/16/22 12:47	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		05/15/22 16:33	05/16/22 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/15/22 16:33*	*05/16/22 12:47*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/15/22 16:33*	*05/16/22 12:47*	*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			05/16/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	39.3	J	49.9	15.0	mg/Kg			05/12/22 09:42	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	23.9	J B	49.9	15.0	mg/Kg		05/11/22 09:33	05/11/22 14:18	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		05/11/22 09:33	05/11/22 14:18	1
Oll Range Organics (Over C28-C36)	15.4	J B	49.9	15.0	mg/Kg		05/11/22 09:33	05/11/22 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*05/11/22 09:33*	*05/11/22 14:18*	*1*
o-Terphenyl	*103*		*70 - 130*	*05/11/22 09:33*	*05/11/22 14:18*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

Client Sample ID: E.SIDE WALL
Lab Sample ID: 890-2291-5

Date Collected: 05/05/22 00:00
Matrix: Solid
Date Received: 05/09/22 10:54
Sample Depth: 3.0

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.9		5.01	0.860	mg/Kg			05/12/22 11:06	1

Client Sample ID: W.SIDE WALL
Lab Sample ID: 890-2291-6

Date Collected: 05/05/22 00:00
Matrix: Solid
Date Received: 05/09/22 10:54
Sample Depth: 0.5

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		05/15/22 16:33	05/16/22 13:07	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		05/15/22 16:33	05/16/22 13:07	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		05/15/22 16:33	05/16/22 13:07	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		05/15/22 16:33	05/16/22 13:07	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		05/15/22 16:33	05/16/22 13:07	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		05/15/22 16:33	05/16/22 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/15/22 16:33*	*05/16/22 13:07*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/15/22 16:33*	*05/16/22 13:07*	*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			05/16/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	42.9	J	49.9	15.0	mg/Kg			05/12/22 09:42	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		05/11/22 09:33	05/11/22 14:40	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		05/11/22 09:33	05/11/22 14:40	1
Oil Range Organics (Over C28-C36)	15.4	J B	49.9	15.0	mg/Kg		05/11/22 09:33	05/11/22 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*05/11/22 09:33*	*05/11/22 14:40*	*1*
o-Terphenyl	*100*		*70 - 130*	*05/11/22 09:33*	*05/11/22 14:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.3		4.98	0.855	mg/Kg			05/12/22 11:30	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-2288-A-1-C MS	Matrix Spike	108	98										
890-2288-A-1-D MSD	Matrix Spike Duplicate	106	92										
890-2291-1	B-2 4.5' R	95	90										
890-2291-2	N.SIDE WALL #1	105	94										
890-2291-3	N.SIDE WALL #2	115	100										
890-2291-3 MS	N.SIDE WALL #2	109	93										
890-2291-4	S.SIDE WALL	112	99										
890-2291-5	E.SIDE WALL	113	98										
890-2291-6	W.SIDE WALL	116	96										
LCS 880-25562/1-A	Lab Control Sample	105	97										
LCS 880-25578/1-A	Lab Control Sample	105	94										
LCSD 880-25562/2-A	Lab Control Sample Dup	107	94										
LCSD 880-25578/2-A	Lab Control Sample Dup	106	95										
MB 880-25562/5-A	Method Blank	101	92										
MB 880-25565/5-A	Method Blank	98	97										
MB 880-25578/5-A	Method Blank	101	93										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-2291-1	B-2 4.5' R	110	109										
890-2291-1 MS	B-2 4.5' R	92	80										
890-2291-1 MSD	B-2 4.5' R	82	72										
890-2291-2	N.SIDE WALL #1	90	94										
890-2291-3	N.SIDE WALL #2	102	110										
890-2291-4	S.SIDE WALL	88	89										
890-2291-5	E.SIDE WALL	99	103										
890-2291-6	W.SIDE WALL	99	100										
LCS 880-25316/2-A	Lab Control Sample	118	113										
LCSD 880-25316/3-A	Lab Control Sample Dup	120	116										
MB 880-25316/1-A	Method Blank	97	109										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-25562/5-A
Matrix: Solid
Analysis Batch: 25560

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25562

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		05/14/22 12:27	05/15/22 05:01	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		05/14/22 12:27	05/15/22 05:01	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		05/14/22 12:27	05/15/22 05:01	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		05/14/22 12:27	05/15/22 05:01	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		05/14/22 12:27	05/15/22 05:01	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		05/14/22 12:27	05/15/22 05:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*959*		*75 - 905*	*513943 / 9/ 27*	*513913 / 51259*	*9*
98-, Fluorobenzene (Surr)	*: /*		*75 - 905*	*513943 / 9/ 27*	*513913 / 51259*	*9*

Lab Sample ID: LCS 880-25562/1-A
Matrix: Solid
Analysis Batch: 25560

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25562

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07877		mg/Kg		79	70 - 130		
Toluene			0.100	0.08326		mg/Kg		83	70 - 130		
Ethylbenzene			0.100	0.08732		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene			0.200	0.1804		mg/Kg		90	70 - 130		
o-Xylene			0.100	0.1001		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*951*		*75 - 905*
98-, Fluorobenzene (Surr)	*: 7*		*75 - 905*

Lab Sample ID: LCSD 880-25562/2-A
Matrix: Solid
Analysis Batch: 25560

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25562

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.06941	*-	mg/Kg		69	70 - 130	13	35
Toluene			0.100	0.07783		mg/Kg		78	70 - 130	7	35
Ethylbenzene			0.100	0.08235		mg/Kg		82	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.1706		mg/Kg		85	70 - 130	6	35
o-Xylene			0.100	0.09506		mg/Kg		95	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*957*		*75 - 905*
98-, Fluorobenzene (Surr)	*: 4*		*75 - 905*

Lab Sample ID: 890-2288-A-1-C MS
Matrix: Solid
Analysis Batch: 25560

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 25562

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.000386	U *- F1	0.0992	0.06934		mg/Kg		70	70 - 130		
Toluene	<0.000457	U	0.0992	0.07223		mg/Kg		73	70 - 130		

QC Sample Results

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

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

Lab Sample ID: 890-2288-A-1-C MS
Matrix: Solid
Analysis Batch: 25560

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 25562

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.000566	U	0.0992	0.07411		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	<0.00101	U F1	0.198	0.1342	F1	mg/Kg		68	70 - 130
o-Xylene	<0.000345	U	0.0992	0.08498		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95i*		*75 - 905*
98 4-, Fluorobenzene (Surr)	*: i*		*75 - 905*

Lab Sample ID: 890-2288-A-1-D MSD
Matrix: Solid
Analysis Batch: 25560

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 25562

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000386	U *- F1	0.0992	0.06455	F1	mg/Kg		65	70 - 130	7	35
Toluene	<0.000457	U	0.0992	0.07375		mg/Kg		74	70 - 130	2	35
Ethylbenzene	<0.000566	U	0.0992	0.07537		mg/Kg		76	70 - 130	2	35
m-Xylene & p-Xylene	<0.00101	U F1	0.198	0.1479		mg/Kg		75	70 - 130	10	35
o-Xylene	<0.000345	U	0.0992	0.08586		mg/Kg		87	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95C*		*75 - 905*
98 4-, Fluorobenzene (Surr)	*: /*		*75 - 905*

Lab Sample ID: MB 880-25565/5-A
Matrix: Solid
Analysis Batch: 25560

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25565

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		05/14/22 12:45	05/14/22 17:24	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		05/14/22 12:45	05/14/22 17:24	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		05/14/22 12:45	05/14/22 17:24	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		05/14/22 12:45	05/14/22 17:24	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		05/14/22 12:45	05/14/22 17:24	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		05/14/22 12:45	05/14/22 17:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*: i*		*75 - 905*	*513 943 / 9/ 241*	*513 943 / 972 4*	*9*
98 4-, Fluorobenzene (Surr)	*: 7*		*75 - 905*	*513 943 / 9/ 241*	*513 943 / 972 4*	*9*

Lab Sample ID: MB 880-25578/5-A
Matrix: Solid
Analysis Batch: 25591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		05/15/22 16:33	05/16/22 11:44	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		05/15/22 16:33	05/16/22 11:44	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		05/15/22 16:33	05/16/22 11:44	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		05/15/22 16:33	05/16/22 11:44	1

QC Sample Results

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

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

Lab Sample ID: MB 880-25578/5-A
Matrix: Solid
Analysis Batch: 25591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		05/15/22 16:33	05/16/22 11:44	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		05/15/22 16:33	05/16/22 11:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*959*		*75 - 905*	*513913 / 9C200*	*513913 / 99244*	*9*
984-, fluorobenzene (Surr)	*: 0*		*75 - 905*	*513913 / 9C200*	*513913 / 99244*	*9*

Lab Sample ID: LCS 880-25578/1-A
Matrix: Solid
Analysis Batch: 25591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09547		mg/Kg		95	70 - 130
Toluene	0.100	0.1055		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1091		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2221		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1111		mg/Kg		111	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*951*		*75 - 905*
984-, fluorobenzene (Surr)	*: 4*		*75 - 905*

Lab Sample ID: LCSD 880-25578/2-A
Matrix: Solid
Analysis Batch: 25591

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25578

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09231		mg/Kg		92	70 - 130	3	35
Toluene	0.100	0.1029		mg/Kg		103	70 - 130	2	35
Ethylbenzene	0.100	0.1056		mg/Kg		106	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2162		mg/Kg		108	70 - 130	3	35
o-Xylene	0.100	0.1082		mg/Kg		108	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95C*		*75 - 905*
984-, fluorobenzene (Surr)	*: 1*		*75 - 905*

Lab Sample ID: 890-2291-3 MS
Matrix: Solid
Analysis Batch: 25591

Client Sample ID: N.SIDE WALL #2
Prep Type: Total/NA
Prep Batch: 25578

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000383	U	0.101	0.08033		mg/Kg		80	70 - 130
Toluene	<0.000454	U	0.101	0.09249		mg/Kg		92	70 - 130
Ethylbenzene	<0.000563	U	0.101	0.09607		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00101	U	0.202	0.1994		mg/Kg		99	70 - 130
o-Xylene	<0.000343	U	0.101	0.1002		mg/Kg		99	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

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

Lab Sample ID: 890-2291-3 MS
Matrix: Solid
Analysis Batch: 25591

Client Sample ID: N.SIDE WALL #2
Prep Type: Total/NA
Prep Batch: 25578

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95:		75 - 905
984-, fluorobenzene (Surr)	: 0		75 - 905

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

Lab Sample ID: MB 880-25316/1-A
Matrix: Solid
Analysis Batch: 25321

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25316

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.49	J	50.0	15.0	mg/Kg		05/11/22 09:33	05/11/22 10:55	1
Diesel Range Organics (Over C10-C28)	15.55	J	50.0	15.0	mg/Kg		05/11/22 09:33	05/11/22 10:55	1
Oil Range Organics (Over C28-C36)	20.49	J	50.0	15.0	mg/Kg		05/11/22 09:33	05/11/22 10:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
9-h cloroot aTne	: 7		75 - 905	513993 / 5: 200	513993 / 952211	9
o-perycen6l	95:		75 - 905	513993 / 5: 200	513993 / 952211	9

Lab Sample ID: LCS 880-25316/2-A
Matrix: Solid
Analysis Batch: 25321

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25316

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	916.7		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1109		mg/Kg		111	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
9-h cloroot aTne	99i		75 - 905
o-perycen6l	990		75 - 905

Lab Sample ID: LCSD 880-25316/3-A
Matrix: Solid
Analysis Batch: 25321

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25316

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	954.5		mg/Kg		95	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1119		mg/Kg		112	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
9-h cloroot aTne	9/ 5		75 - 905
o-perycen6l	99C		75 - 905

QC Sample Results

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

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

Lab Sample ID: 890-2291-1 MS
Matrix: Solid
Analysis Batch: 25321

Client Sample ID: B-2 4.5' R
Prep Type: Total/NA
Prep Batch: 25316

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.8	J B	1000	1064		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	44.0	J B F1	1000	804.5		mg/Kg		76	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
9-h cloroot aTne	*: /*		*75 - 905*
o-perycen6l	*i 5*		*75 - 905*

Lab Sample ID: 890-2291-1 MSD
Matrix: Solid
Analysis Batch: 25321

Client Sample ID: B-2 4.5' R
Prep Type: Total/NA
Prep Batch: 25316

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	25.8	J B	998	1056		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	44.0	J B F1	998	724.0	F1	mg/Kg		68	70 - 130	11	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
9-h cloroot aTne	*i /*		*75 - 905*
o-perycen6l	*7/*		*75 - 905*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-25250/1-A
Matrix: Solid
Analysis Batch: 25376

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			05/12/22 08:50	1

Lab Sample ID: LCS 880-25250/2-A
Matrix: Solid
Analysis Batch: 25376

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	267.8		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-25250/3-A
Matrix: Solid
Analysis Batch: 25376

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	267.7		mg/Kg		107	90 - 110	0	20

QC Sample Results

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-14579-A-21-B MS
Matrix: Solid
Analysis Batch: 25376

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	6900	F1	5050	12960	F1	mg/Kg		120	90 - 110		

Lab Sample ID: 880-14579-A-21-C MSD
Matrix: Solid
Analysis Batch: 25376

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	6900	F1	5050	12980	F1	mg/Kg		120	90 - 110	0	20

QC Association Summary

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

GC VOA

Analysis Batch: 25560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2291-1	B-2 4.5' R	Total/NA	Solid	8021B	25562
890-2291-2	N.SIDE WALL #1	Total/NA	Solid	8021B	25562
MB 880-25562/5-A	Method Blank	Total/NA	Solid	8021B	25562
MB 880-25565/5-A	Method Blank	Total/NA	Solid	8021B	25565
LCS 880-25562/1-A	Lab Control Sample	Total/NA	Solid	8021B	25562
LCSD 880-25562/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25562
890-2288-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	25562
890-2288-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	25562

Prep Batch: 25562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2291-1	B-2 4.5' R	Total/NA	Solid	5035	
890-2291-2	N.SIDE WALL #1	Total/NA	Solid	5035	
MB 880-25562/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25562/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25562/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2288-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-2288-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 25565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-25565/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 25578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2291-3	N.SIDE WALL #2	Total/NA	Solid	5035	
890-2291-4	S.SIDE WALL	Total/NA	Solid	5035	
890-2291-5	E.SIDE WALL	Total/NA	Solid	5035	
890-2291-6	W.SIDE WALL	Total/NA	Solid	5035	
MB 880-25578/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25578/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25578/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2291-3 MS	N.SIDE WALL #2	Total/NA	Solid	5035	

Analysis Batch: 25591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2291-3	N.SIDE WALL #2	Total/NA	Solid	8021B	25578
890-2291-4	S.SIDE WALL	Total/NA	Solid	8021B	25578
890-2291-5	E.SIDE WALL	Total/NA	Solid	8021B	25578
890-2291-6	W.SIDE WALL	Total/NA	Solid	8021B	25578
MB 880-25578/5-A	Method Blank	Total/NA	Solid	8021B	25578
LCS 880-25578/1-A	Lab Control Sample	Total/NA	Solid	8021B	25578
LCSD 880-25578/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25578
890-2291-3 MS	N.SIDE WALL #2	Total/NA	Solid	8021B	25578

Analysis Batch: 25600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2291-1	B-2 4.5' R	Total/NA	Solid	Total BTEX	
890-2291-2	N.SIDE WALL #1	Total/NA	Solid	Total BTEX	
890-2291-3	N.SIDE WALL #2	Total/NA	Solid	Total BTEX	
890-2291-4	S.SIDE WALL	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

GC VOA (Continued)

Analysis Batch: 25600 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2291-5	E.SIDE WALL	Total/NA	Solid	Total BTEX	
890-2291-6	W.SIDE WALL	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 25316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2291-1	B-2 4.5' R	Total/NA	Solid	8015NM Prep	
890-2291-2	N.SIDE WALL #1	Total/NA	Solid	8015NM Prep	
890-2291-3	N.SIDE WALL #2	Total/NA	Solid	8015NM Prep	
890-2291-4	S.SIDE WALL	Total/NA	Solid	8015NM Prep	
890-2291-5	E.SIDE WALL	Total/NA	Solid	8015NM Prep	
890-2291-6	W.SIDE WALL	Total/NA	Solid	8015NM Prep	
MB 880-25316/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-25316/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-25316/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2291-1 MS	B-2 4.5' R	Total/NA	Solid	8015NM Prep	
890-2291-1 MSD	B-2 4.5' R	Total/NA	Solid	8015NM Prep	

Analysis Batch: 25321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2291-1	B-2 4.5' R	Total/NA	Solid	8015B NM	25316
890-2291-2	N.SIDE WALL #1	Total/NA	Solid	8015B NM	25316
890-2291-3	N.SIDE WALL #2	Total/NA	Solid	8015B NM	25316
890-2291-4	S.SIDE WALL	Total/NA	Solid	8015B NM	25316
890-2291-5	E.SIDE WALL	Total/NA	Solid	8015B NM	25316
890-2291-6	W.SIDE WALL	Total/NA	Solid	8015B NM	25316
MB 880-25316/1-A	Method Blank	Total/NA	Solid	8015B NM	25316
LCS 880-25316/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	25316
LCSD 880-25316/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	25316
890-2291-1 MS	B-2 4.5' R	Total/NA	Solid	8015B NM	25316
890-2291-1 MSD	B-2 4.5' R	Total/NA	Solid	8015B NM	25316

Analysis Batch: 25390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2291-1	B-2 4.5' R	Total/NA	Solid	8015 NM	
890-2291-2	N.SIDE WALL #1	Total/NA	Solid	8015 NM	
890-2291-3	N.SIDE WALL #2	Total/NA	Solid	8015 NM	
890-2291-4	S.SIDE WALL	Total/NA	Solid	8015 NM	
890-2291-5	E.SIDE WALL	Total/NA	Solid	8015 NM	
890-2291-6	W.SIDE WALL	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 25250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2291-1	B-2 4.5' R	Soluble	Solid	DI Leach	
890-2291-2	N.SIDE WALL #1	Soluble	Solid	DI Leach	
890-2291-3	N.SIDE WALL #2	Soluble	Solid	DI Leach	
890-2291-4	S.SIDE WALL	Soluble	Solid	DI Leach	
890-2291-5	E.SIDE WALL	Soluble	Solid	DI Leach	
890-2291-6	W.SIDE WALL	Soluble	Solid	DI Leach	

QC Association Summary

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

HPLC/IC (Continued)

Leach Batch: 25250 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-25250/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-25250/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-25250/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-14579-A-21-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-14579-A-21-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 25376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2291-1	B-2 4.5' R	Soluble	Solid	300.0	25250
890-2291-2	N.SIDE WALL #1	Soluble	Solid	300.0	25250
890-2291-3	N.SIDE WALL #2	Soluble	Solid	300.0	25250
890-2291-4	S.SIDE WALL	Soluble	Solid	300.0	25250
890-2291-5	E.SIDE WALL	Soluble	Solid	300.0	25250
890-2291-6	W.SIDE WALL	Soluble	Solid	300.0	25250
MB 880-25250/1-A	Method Blank	Soluble	Solid	300.0	25250
LCS 880-25250/2-A	Lab Control Sample	Soluble	Solid	300.0	25250
LCSD 880-25250/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	25250
880-14579-A-21-B MS	Matrix Spike	Soluble	Solid	300.0	25250
880-14579-A-21-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	25250

Lab Chronicle

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

Client Sample ID: B-2 4.5' R

Lab Sample ID: 890-2291-1

Date Collected: 05/05/22 00:00
Matrix: Solid
Date Received: 05/09/22 10:54

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	25562	05/14/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25560	05/15/22 08:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25600	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25390	05/12/22 09:42	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	25316	05/11/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25321	05/11/22 12:09	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	25250	05/11/22 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			25376	05/12/22 10:17	CH	XEN MID

Client Sample ID: N.SIDE WALL #1

Lab Sample ID: 890-2291-2

Date Collected: 05/05/22 00:00
Matrix: Solid
Date Received: 05/09/22 10:54

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	25562	05/14/22 12:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25560	05/15/22 08:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25600	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25390	05/12/22 09:42	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25316	05/11/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25321	05/11/22 13:14	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	25250	05/11/22 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			25376	05/12/22 10:41	CH	XEN MID

Client Sample ID: N.SIDE WALL #2

Lab Sample ID: 890-2291-3

Date Collected: 05/05/22 00:00
Matrix: Solid
Date Received: 05/09/22 10:54

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	25578	05/15/22 16:33	MR	XEN MID
Total/NA	Analysis	8021B		1			25591	05/16/22 12:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25600	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25390	05/12/22 09:42	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	25316	05/11/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25321	05/11/22 13:35	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	25250	05/11/22 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			25376	05/12/22 10:49	CH	XEN MID

Client Sample ID: S.SIDE WALL

Lab Sample ID: 890-2291-4

Date Collected: 05/05/22 00:00
Matrix: Solid
Date Received: 05/09/22 10:54

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	25578	05/15/22 16:33	MR	XEN MID
Total/NA	Analysis	8021B		1			25591	05/16/22 12:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25600	05/16/22 09:21	SM	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

Client Sample ID: S.SIDE WALL

Lab Sample ID: 890-2291-4
Matrix: Solid
Date Collected: 05/05/22 00:00
Date Received: 05/09/22 10:54

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			25390	05/12/22 09:42	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	25316	05/11/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25321	05/11/22 13:57	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	25250	05/11/22 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			25376	05/12/22 10:58	CH	XEN MID

Client Sample ID: E.SIDE WALL

Lab Sample ID: 890-2291-5
Matrix: Solid
Date Collected: 05/05/22 00:00
Date Received: 05/09/22 10:54

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	25578	05/15/22 16:33	MR	XEN MID
Total/NA	Analysis	8021B		1			25591	05/16/22 12:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25600	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25390	05/12/22 09:42	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25316	05/11/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25321	05/11/22 14:18	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	25250	05/11/22 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			25376	05/12/22 11:06	CH	XEN MID

Client Sample ID: W.SIDE WALL

Lab Sample ID: 890-2291-6
Matrix: Solid
Date Collected: 05/05/22 00:00
Date Received: 05/09/22 10:54

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	25578	05/15/22 16:33	MR	XEN MID
Total/NA	Analysis	8021B		1			25591	05/16/22 13:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25600	05/16/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25390	05/12/22 09:42	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25316	05/11/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25321	05/11/22 14:40	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	25250	05/11/22 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			25376	05/12/22 11:30	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: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

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

Method Summary

Client: Talon/LPE
Project/Site: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

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: Prima EK 29

Job ID: 890-2291-1
SDG: 702678.002.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2291-1	B-2 4.5' R	Solid	05/05/22 00:00	05/09/22 10:54	4.5
890-2291-2	N.SIDE WALL #1	Solid	05/05/22 00:00	05/09/22 10:54	2.0
890-2291-3	N.SIDE WALL #2	Solid	05/05/22 00:00	05/09/22 10:54	2.0
890-2291-4	S.SIDE WALL	Solid	05/05/22 00:00	05/09/22 10:54	0.5
890-2291-5	E.SIDE WALL	Solid	05/05/22 00:00	05/09/22 10:54	3.0
890-2291-6	W.SIDE WALL	Solid	05/05/22 00:00	05/09/22 10:54	0.5

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Chain of Custody

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

Work Order No: _____

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Project Manager:	DAVID ADKINS	Bill to: (if different)	(Same)
Company Name:	TALON / LPE	Company Name:	
Address:	408 W. Texas Ave	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575.441.4835	Email:	dadkins@talonlpe.com

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

Project Name:	Prima EK 29	Turn Around	
Project Number:	702678.002.02	☒ Routine ☐ Rush	
Project Location:	Lea Co, NM	Due Date:	
Sampler's Name:	M. GOMEZ	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	702678.002.02		

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	T-NM-007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.8	
Total Containers:		Corrected Temperature:	5.6	

Preservative Codes
None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX	TPH	Total Chlorides	Sample Comments
B-2 4.5' R	S	5/5/22		4.5	C	1	/	/	/	
N. Side Wall #1	S	5/5/22		2.0	C	1	/	/	/	
N. Side Wall #2	S	5/5/22		2.0	C	1	/	/	/	
S. Side Wall	S	5/5/22		0.5	C	1	/	/	/	
E. Side Wall	S	5/5/22		3.0	C	1	/	/	/	
W. Side Wall	S	5/5/22		0.5	C	1	/	/	/	

890-2291 Chain of Custody

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

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 Matthew Gomez		5/9/22 10:54	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-2291-1
SDG Number: 702678.002.02

Login Number: 2291
List Number: 1
Creator: Olivas, Nathaniel

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: 890-2291-1
SDG Number: 702678.002.02

Login Number: 2291
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 05/10/22 10:46 AM

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-2335-1
Laboratory Sample Delivery Group: 702678.002.02
Client Project/Site: EK 29 BS2 Federal Com #001

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

Attn: David Adkins

JKramer

Authorized for release by:
5/31/2022 12:07:43 PM

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

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

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

Client: Talon/LPE
Project/Site: EK 29 BS2 Federal Com #001

Laboratory Job ID: 890-2335-1
SDG: 702678.002.02

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: EK 29 BS2 Federal Com #001

Job ID: 890-2335-1
SDG: 702678.002.02

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.
¤	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: EK 29 BS2 Federal Com #001

Job ID: 890-2335-1
SDG: 702678.002.02

Job ID: 890-2335-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2335-1

Receipt
The sample was received on 5/25/2022 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C

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

GC Semi VOA
Method 8015MOD_NM: The method blank for preparation batch 880-26323 and analytical batch 880-26299 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

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: EK 29 BS2 Federal Com #001

Job ID: 890-2335-1
SDG: 702678.002.02

Client Sample ID: S-5A

Date Collected: 05/23/22 10:15
Date Received: 05/25/22 10:00
Sample Depth: 2'

Lab Sample ID: 890-2335-1

Matrix: Solid

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		05/26/22 16:00	05/27/22 12:51	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		05/26/22 16:00	05/27/22 12:51	1
Ethylbenzene	**0.000580**	**J**	0.00200	0.000566	mg/Kg		05/26/22 16:00	05/27/22 12:51	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		05/26/22 16:00	05/27/22 12:51	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		05/26/22 16:00	05/27/22 12:51	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		05/26/22 16:00	05/27/22 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/26/22 16:00*	*05/27/22 12:51*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/26/22 16:00*	*05/27/22 12:51*	*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			05/27/22 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**41.2**	**J**	49.8	14.9	mg/Kg			05/27/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**23.4**	**J B**	49.8	14.9	mg/Kg		05/26/22 09:34	05/26/22 17:02	1
Diesel Range Organics (Over C10-C28)	**17.8**	**J**	49.8	14.9	mg/Kg		05/26/22 09:34	05/26/22 17:02	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		05/26/22 09:34	05/26/22 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/26/22 09:34*	*05/26/22 17:02*	*1*
o-Terphenyl	*105*		*70 - 130*	*05/26/22 09:34*	*05/26/22 17:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.4**		5.04	0.865	mg/Kg			05/30/22 04:05	1

Surrogate Summary

Client: Talon/LPE
Project/Site: EK 29 BS2 Federal Com #001

Job ID: 890-2335-1
SDG: 702678.002.02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-2335-1	S-5A	109	101										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-2335-1	S-5A	96	105										
LCS 880-26323/2-A	Lab Control Sample	101	98										
LCSD 880-26323/3-A	Lab Control Sample Dup	93	89										
MB 880-26323/1-A	Method Blank	93	106										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: EK 29 BS2 Federal Com #001

Job ID: 890-2335-1
SDG: 702678.002.02

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

Lab Sample ID: MB 880-26323/1-A
Matrix: Solid
Analysis Batch: 26299

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26323

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	24.62	J	50.0	15.0	mg/Kg		05/26/22 09:34	05/26/22 11:02	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		05/26/22 09:34	05/26/22 11:02	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		05/26/22 09:34	05/26/22 11:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*05/26/22 09:34*	*05/26/22 11:02*	*1*
o-Terphenyl	*106*		*70 - 130*	*05/26/22 09:34*	*05/26/22 11:02*	*1*

Lab Sample ID: LCS 880-26323/2-A
Matrix: Solid
Analysis Batch: 26299

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26323

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1052		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1191		mg/Kg		119	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: LCSD 880-26323/3-A
Matrix: Solid
Analysis Batch: 26299

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26323

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	896.2		mg/Kg		90	70 - 130	16	20
Diesel Range Organics (Over C10-C28)			1000	1008		mg/Kg		101	70 - 130	17	20

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-26274/1-A
Matrix: Solid
Analysis Batch: 26502

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			05/30/22 01:27	1

QC Sample Results

Client: Talon/LPE
Project/Site: EK 29 BS2 Federal Com #001

Job ID: 890-2335-1
SDG: 702678.002.02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-26274/2-A
Matrix: Solid
Analysis Batch: 26502

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	259.7		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-26274/3-A
Matrix: Solid
Analysis Batch: 26502

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	269.2		mg/Kg		108	90 - 110	4	20

QC Association Summary

Client: Talon/LPE
Project/Site: EK 29 BS2 Federal Com #001

Job ID: 890-2335-1
SDG: 702678.002.02

GC VOA

Prep Batch: 26358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2335-1	S-5A	Total/NA	Solid	5035	

Analysis Batch: 26372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2335-1	S-5A	Total/NA	Solid	8021B	26358

Analysis Batch: 26478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2335-1	S-5A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 26299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2335-1	S-5A	Total/NA	Solid	8015B NM	26323
MB 880-26323/1-A	Method Blank	Total/NA	Solid	8015B NM	26323
LCS 880-26323/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26323
LCSD 880-26323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26323

Prep Batch: 26323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2335-1	S-5A	Total/NA	Solid	8015NM Prep	
MB 880-26323/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26323/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 26421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2335-1	S-5A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 26274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2335-1	S-5A	Soluble	Solid	DI Leach	
MB 880-26274/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26274/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26274/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 26502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2335-1	S-5A	Soluble	Solid	300.0	26274
MB 880-26274/1-A	Method Blank	Soluble	Solid	300.0	26274
LCS 880-26274/2-A	Lab Control Sample	Soluble	Solid	300.0	26274
LCSD 880-26274/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26274

Lab Chronicle

Client: Talon/LPE
Project/Site: EK 29 BS2 Federal Com #001

Job ID: 890-2335-1
SDG: 702678.002.02

Client Sample ID: S-5A
Date Collected: 05/23/22 10:15
Date Received: 05/25/22 10:00

Lab Sample ID: 890-2335-1
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			4.99 g	5 mL	26358	05/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26372	05/27/22 12:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26478	05/27/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26421	05/27/22 10:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	26323	05/26/22 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26299	05/26/22 17:02	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	26274	05/26/22 12:35	SC	XEN MID
Soluble	Analysis	300.0		1			26502	05/30/22 04:05	SC	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: EK 29 BS2 Federal Com #001

Job ID: 890-2335-1
SDG: 702678.002.02

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

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

Method Summary

Client: Talon/LPE
Project/Site: EK 29 BS2 Federal Com #001

Job ID: 890-2335-1
SDG: 702678.002.02

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: EK 29 BS2 Federal Com #001

Job ID: 890-2335-1
SDG: 702678.002.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2335-1	S-5A	Solid	05/23/22 10:15	05/25/22 10:00	2'

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

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

Work Order Comments

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

Project Name:	EK 29 BS2 Federal Com #001	Turn Around	
Project Number:	702678.002.02	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	M. Gomez, J. Carnes	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Samples Received Intact:	(Yes) No	Thermometer ID:	NM-009
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	6.0
Total Containers:		Corrected Temperature:	5.8

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides	TPH	BTEX
S-5A	SOIL	5/23/2022	10:15	2'	GRAB	1		X	X	X

ANALYSIS REQUEST

890-2335 Chain of Custody

Preservative Codes

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

Sample Comments

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			5/25/22 9:15		5.25.22 10:00	
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-2335-1
SDG Number: 702678.002.02

Login Number: 2335
List Number: 1
Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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: 890-2335-1
SDG Number: 702678.002.02

Login Number: 2335
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 05/26/22 10:20 AM

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-2703-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: EK 29

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

Attn: David Adkins

JKramer

Authorized for release by:
8/10/2022 4:18:10 PM

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

Client: Talon/LPE
Project/Site: EK 29

Laboratory Job ID: 890-2703-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County 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.
U	Indicates the analyte was analyzed for but not detected.

GC Semi 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.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

Job ID: 890-2703-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2703-1

Receipt
The samples were received on 8/1/2022 3:44 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 3.0°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-31602 and 880-31669 and analytical batch 880-31654 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.

GC Semi VOA
Method 8015MOD_NM: The method blank for preparation batch 880-31438 and analytical batch 880-31455 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-31438/2-A) and (890-2702-A-1-B MS). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

Client Sample ID: S-1A

Lab Sample ID: 890-2703-1
Matrix: Solid
Date Collected: 07/25/22 09:30
Date Received: 08/01/22 15:44
Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U F2 F1	0.00200	0.000386	mg/Kg		08/05/22 13:42	08/07/22 14:06	1
Toluene	<0.000457	U F2 F1	0.00200	0.000457	mg/Kg		08/05/22 13:42	08/07/22 14:06	1
Ethylbenzene	<0.000566	U F2 F1	0.00200	0.000566	mg/Kg		08/05/22 13:42	08/07/22 14:06	1
m-Xylene & p-Xylene	<0.00101	U F2 F1	0.00401	0.00101	mg/Kg		08/05/22 13:42	08/07/22 14:06	1
o-Xylene	<0.000345	U F2 F1	0.00200	0.000345	mg/Kg		08/05/22 13:42	08/07/22 14:06	1
Xylenes, Total	<0.00101	U F2 F1	0.00401	0.00101	mg/Kg		08/05/22 13:42	08/07/22 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 0487,*	*0*
0l4-i fluorobenzene (Surr)	*37*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 0487,*	*0*

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			08/08/22 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**30.0**	**J**	49.8	14.9	mg/Kg			08/05/22 08:59	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	49.8	14.9	mg/Kg		08/03/22 15:09	08/04/22 22:47	1
Diesel Range Organics (Over C10-C28)	**30.0**	**J**	49.8	14.9	mg/Kg		08/03/22 15:09	08/04/22 22:47	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		08/03/22 15:09	08/04/22 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
0-h cloroot aTne	*9:*		*57 - 017*	*73/71/: : 0287:*	*73/74/: : : 845*	*0*
o-perycen6l	*07:*		*57 - 017*	*73/71/: : 0287:*	*73/74/: : : 845*	*0*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**431**		5.03	0.863	mg/Kg			08/09/22 20:53	1

Client Sample ID: S-2A

Lab Sample ID: 890-2703-2
Matrix: Solid
Date Collected: 07/25/22 09:40
Date Received: 08/01/22 15:44
Sample Depth: 1'

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		08/05/22 13:42	08/07/22 14:26	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		08/05/22 13:42	08/07/22 14:26	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		08/05/22 13:42	08/07/22 14:26	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		08/05/22 13:42	08/07/22 14:26	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		08/05/22 13:42	08/07/22 14:26	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		08/05/22 13:42	08/07/22 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*070*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 048 ,*	*0*

Client Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

Client Sample ID: S-2A

Date Collected: 07/25/22 09:40
Date Received: 08/01/22 15:44
Sample Depth: 1'

Lab Sample ID: 890-2703-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
0[illegible]4-i [illegible]luorobenzene (Surr)	*59*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 048 ,*	*0*

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			08/08/22 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**22.4**	**J**	50.0	15.0	mg/Kg			08/05/22 08:59	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		08/03/22 15:09	08/04/22 23:09	1
Diesel Range Organics (Over C10-C28)	**22.4**	**J**	50.0	15.0	mg/Kg		08/03/22 15:09	08/04/22 23:09	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		08/03/22 15:09	08/04/22 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
0-h cloroot aTne	*39*		*57 - 017*	*73/71/: : 0287 9*	*73/74/: : : 187 9*	*0*
o-perycen6l	*93*		*57 - 017*	*73/71/: : 0287 9*	*73/74/: : : 187 9*	*0*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3020**		25.3	4.33	mg/Kg			08/09/22 10:51	5

Client Sample ID: S-3A

Date Collected: 07/25/22 09:50
Date Received: 08/01/22 15:44
Sample Depth: 1'

Lab Sample ID: 890-2703-3

Matrix: Solid

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		08/05/22 13:42	08/07/22 14:47	1
Toluene	<0.000458	U	0.00201	0.000458	mg/Kg		08/05/22 13:42	08/07/22 14:47	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		08/05/22 13:42	08/07/22 14:47	1
m-Xylene & p-Xylene	<0.00101	U	0.00402	0.00101	mg/Kg		08/05/22 13:42	08/07/22 14:47	1
o-Xylene	<0.000345	U	0.00201	0.000345	mg/Kg		08/05/22 13:42	08/07/22 14:47	1
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg		08/05/22 13:42	08/07/22 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*004*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 048#5*	*0*
0[illegible]4-i [illegible]luorobenzene (Surr)	*33*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 048#5*	*0*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00402	0.00101	mg/Kg			08/08/22 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**94.4**		50.0	15.0	mg/Kg			08/05/22 08:59	1

Client Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

Client Sample ID: S-3A

Lab Sample ID: 890-2703-3

Date Collected: 07/25/22 09:50
Date Received: 08/01/22 15:44
Sample Depth: 1'

Matrix: Solid

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		08/03/22 15:09	08/04/22 23:31	1
Diesel Range Organics (Over C10-C28)	**94.4**		50.0	15.0	mg/Kg		08/03/22 15:09	08/04/22 23:31	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		08/03/22 15:09	08/04/22 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*57 - 140*	*08/03/22 15:09*	*08/04/22 23:31*	*1*
o-Terphenyl	*72*		*57 - 140*	*08/03/22 15:09*	*08/04/22 23:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1020**		5.00	0.858	mg/Kg			08/09/22 10:59	1

Client Sample ID: S-4A

Lab Sample ID: 890-2703-4

Date Collected: 07/25/22 10:00
Date Received: 08/01/22 15:44
Sample Depth: 1'

Matrix: Solid

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		08/05/22 13:42	08/07/22 15:07	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		08/05/22 13:42	08/07/22 15:07	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		08/05/22 13:42	08/07/22 15:07	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		08/05/22 13:42	08/07/22 15:07	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		08/05/22 13:42	08/07/22 15:07	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		08/05/22 13:42	08/07/22 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*57 - 140*	*08/05/22 13:42*	*08/07/22 15:07*	*1*
1,4-Difluorobenzene (Surr)	*92*		*57 - 140*	*08/05/22 13:42*	*08/07/22 15:07*	*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			08/08/22 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**124**		50.0	15.0	mg/Kg			08/05/22 08:59	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		08/03/22 15:09	08/04/22 23:52	1
Diesel Range Organics (Over C10-C28)	**124**		50.0	15.0	mg/Kg		08/03/22 15:09	08/04/22 23:52	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		08/03/22 15:09	08/04/22 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*57 - 140*	*08/03/22 15:09*	*08/04/22 23:52*	*1*
o-Terphenyl	*100*		*57 - 140*	*08/03/22 15:09*	*08/04/22 23:52*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

Client Sample ID: S-4A

Lab Sample ID: 890-2703-4
Matrix: Solid
Date Collected: 07/25/22 10:00
Date Received: 08/01/22 15:44
Sample Depth: 1'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3840		25.0	4.29	mg/Kg			08/09/22 11:07	5

Client Sample ID: S-5A

Lab Sample ID: 890-2703-5
Matrix: Solid
Date Collected: 07/25/22 10:10
Date Received: 08/01/22 15:44
Sample Depth: 3'

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		08/05/22 13:42	08/07/22 15:28	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		08/05/22 13:42	08/07/22 15:28	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		08/05/22 13:42	08/07/22 15:28	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		08/05/22 13:42	08/07/22 15:28	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		08/05/22 13:42	08/07/22 15:28	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		08/05/22 13:42	08/07/22 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*00:*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 028 3*	*0*
0l4-i fluorobenzene (Surr)	*30*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 028 3*	*0*

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			08/08/22 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	32.2	J	49.9	15.0	mg/Kg			08/05/22 08:59	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		08/03/22 15:09	08/05/22 00:14	1
Diesel Range Organics (Over C10-C28)	32.2	J	49.9	15.0	mg/Kg		08/03/22 15:09	08/05/22 00:14	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		08/03/22 15:09	08/05/22 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
0-h cloroot aTne	*073*		*57 - 017*	*73/71/: : 0287 9*	*73/72/: : 7780 4*	*0*
o-perycen6l	*0: 2*		*57 - 017*	*73/71/: : 0287 9*	*73/72/: : 7780 4*	*0*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4040		49.7	8.53	mg/Kg			08/09/22 11:30	10

Client Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

Client Sample ID: S-6A

Lab Sample ID: 890-2703-6
Matrix: Solid
Date Collected: 07/25/22 10:20
Date Received: 08/01/22 15:44
Sample Depth: 3'

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		08/05/22 13:42	08/07/22 15:48	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		08/05/22 13:42	08/07/22 15:48	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		08/05/22 13:42	08/07/22 15:48	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		08/05/22 13:42	08/07/22 15:48	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		08/05/22 13:42	08/07/22 15:48	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		08/05/22 13:42	08/07/22 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*007*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 02843*	*0*
0l4-i 6luorobenzene (Surr)	*31*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 02843*	*0*

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			08/08/22 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**109**		49.9	15.0	mg/Kg			08/05/22 08:59	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		08/03/22 15:09	08/05/22 00:36	1
Diesel Range Organics (Over C10-C28)	**109**		49.9	15.0	mg/Kg		08/03/22 15:09	08/05/22 00:36	1
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		08/03/22 15:09	08/05/22 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
0-h cloroot aTne	*59*		*57 - 017*	*73/71/: : 02879*	*73/72/: : 7781,*	*0*
o-perycen6l	*9:*		*57 - 017*	*73/71/: : 02879*	*73/72/: : 7781,*	*0*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3830**		24.8	4.26	mg/Kg			08/09/22 11:38	5

Client Sample ID: S-7A

Lab Sample ID: 890-2703-7
Matrix: Solid
Date Collected: 07/25/22 10:30
Date Received: 08/01/22 15:44
Sample Depth: 3'

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		08/05/22 13:42	08/07/22 16:09	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		08/05/22 13:42	08/07/22 16:09	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		08/05/22 13:42	08/07/22 16:09	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		08/05/22 13:42	08/07/22 16:09	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		08/05/22 13:42	08/07/22 16:09	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		08/05/22 13:42	08/07/22 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*00:*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 0, 879*	*0*

Client Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

Client Sample ID: S-7A

Date Collected: 07/25/22 10:30
Date Received: 08/01/22 15:44
Sample Depth: 3'

Lab Sample ID: 890-2703-7

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
0[illegible]4-i fluorobenzene (Surr)	*37*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 0, 879*	*0*

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			08/08/22 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**94.3**		50.0	15.0	mg/Kg			08/05/22 08:59	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		08/03/22 15:09	08/05/22 00:58	1
Diesel Range Organics (Over C10-C28)	**94.3**		50.0	15.0	mg/Kg		08/03/22 15:09	08/05/22 00:58	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		08/03/22 15:09	08/05/22 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
0-h cloroot aTne	*9,*		*57 - 017*	*73/71/: : 0287 9*	*73/72/: : 7782 3*	*0*
o-perycen6l	*07,*		*57 - 017*	*73/71/: : 0287 9*	*73/72/: : 7782 3*	*0*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1360**		25.0	4.29	mg/Kg			08/09/22 11:46	5

Client Sample ID: S-8A

Date Collected: 07/25/22 10:40
Date Received: 08/01/22 15:44
Sample Depth: 3'

Lab Sample ID: 890-2703-8

Matrix: Solid

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		08/05/22 13:42	08/07/22 16:29	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		08/05/22 13:42	08/07/22 16:29	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		08/05/22 13:42	08/07/22 16:29	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		08/05/22 13:42	08/07/22 16:29	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		08/05/22 13:42	08/07/22 16:29	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		08/05/22 13:42	08/07/22 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*00:*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 0, 8 9*	*0*
0[illegible]4-i fluorobenzene (Surr)	*31*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 0, 8 9*	*0*

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			08/08/22 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**106**		50.0	15.0	mg/Kg			08/05/22 08:59	1

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Client Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

Client Sample ID: S-8A
Lab Sample ID: 890-2703-8
Date Collected: 07/25/22 10:40
Matrix: Solid
Date Received: 08/01/22 15:44
Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		08/03/22 15:09	08/05/22 01:41	1
Diesel Range Organics (Over C10-C28)	**106**		50.0	15.0	mg/Kg		08/03/22 15:09	08/05/22 01:41	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		08/03/22 15:09	08/05/22 01:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*59*		*57 - 017*	*73/71/: : 02879*	*73/72/: : 70840*	*0*
o-Terphenyl	*91*		*57 - 017*	*73/71/: : 02879*	*73/72/: : 70840*	*0*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4170**		25.0	4.29	mg/Kg			08/09/22 11:54	5

Client Sample ID: S-9A
Lab Sample ID: 890-2703-9
Date Collected: 07/25/22 10:50
Matrix: Solid
Date Received: 08/01/22 15:44
Sample Depth: 3'

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		08/05/22 13:42	08/07/22 16:50	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		08/05/22 13:42	08/07/22 16:50	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		08/05/22 13:42	08/07/22 16:50	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		08/05/22 13:42	08/07/22 16:50	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		08/05/22 13:42	08/07/22 16:50	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		08/05/22 13:42	08/07/22 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*004*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 0, 827*	*0*
0[illegible]4-i fluorobenzene (Surr)	*97*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 0, 827*	*0*

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			08/08/22 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**69.1**		49.9	15.0	mg/Kg			08/05/22 08:59	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		08/03/22 15:09	08/05/22 02:03	1
Diesel Range Organics (Over C10-C28)	**69.1**		49.9	15.0	mg/Kg		08/03/22 15:09	08/05/22 02:03	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		08/03/22 15:09	08/05/22 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*070*		*57 - 017*	*73/71/: : 02879*	*73/72/: : 7: 871*	*0*
o-Terphenyl	*000*		*57 - 017*	*73/71/: : 02879*	*73/72/: : 7: 871*	*0*

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Client Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

Client Sample ID: S-9A
Date Collected: 07/25/22 10:50
Date Received: 08/01/22 15:44
Sample Depth: 3'

Lab Sample ID: 890-2703-9
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4600		24.9	4.27	mg/Kg			08/09/22 12:01	5

Client Sample ID: S-10A
Date Collected: 07/25/22 11:00
Date Received: 08/01/22 15:44
Sample Depth: 3'

Lab Sample ID: 890-2703-10
Matrix: Solid

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		08/05/22 13:42	08/07/22 17:11	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		08/05/22 13:42	08/07/22 17:11	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		08/05/22 13:42	08/07/22 17:11	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		08/05/22 13:42	08/07/22 17:11	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		08/05/22 13:42	08/07/22 17:11	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		08/05/22 13:42	08/07/22 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*007*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 05800*	*0*
0l4-i fluorobenzene (Surr)	*34*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 05800*	*0*

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			08/08/22 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	38.9	J	49.8	14.9	mg/Kg			08/05/22 08:59	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	49.8	14.9	mg/Kg		08/03/22 15:09	08/05/22 02:25	1
Diesel Range Organics (Over C10-C28)	38.9	J	49.8	14.9	mg/Kg		08/03/22 15:09	08/05/22 02:25	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		08/03/22 15:09	08/05/22 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
0-h cloroot aTne	*37*		*57 - 017*	*73/71/: : 02879*	*73/72/: : 7: 8 2*	*0*
o-perycen6l	*90*		*57 - 017*	*73/71/: : 02879*	*73/72/: : 7: 8 2*	*0*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	251		4.99	0.857	mg/Kg			08/09/22 12:09	1

Client Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

Client Sample ID: S-11A

Lab Sample ID: 890-2703-11
Matrix: Solid
Date Collected: 07/25/22 11:10
Date Received: 08/01/22 15:44
Sample Depth: 3'

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		08/05/22 13:42	08/07/22 18:33	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		08/05/22 13:42	08/07/22 18:33	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		08/05/22 13:42	08/07/22 18:33	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		08/05/22 13:42	08/07/22 18:33	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		08/05/22 13:42	08/07/22 18:33	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		08/05/22 13:42	08/07/22 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*07:*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 0381 1*	*0*
0l4-i fluorobenzene (Surr)	*34*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 0381 1*	*0*

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			08/08/22 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**153**		50.0	15.0	mg/Kg			08/05/22 08:59	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		08/03/22 15:09	08/05/22 02:47	1
Diesel Range Organics (Over C10-C28)	**153**		50.0	15.0	mg/Kg		08/03/22 15:09	08/05/22 02:47	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		08/03/22 15:09	08/05/22 02:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
0-h cloroot aTne	*5,*		*57 - 017*	*73/71/: : 0287 9*	*73/72/: : 7: 845*	*0*
o-perycen6l	*32*		*57 - 017*	*73/71/: : 0287 9*	*73/72/: : 7: 845*	*0*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**378**		4.95	0.850	mg/Kg			08/09/22 12:33	1

Client Sample ID: S-12A

Lab Sample ID: 890-2703-12
Matrix: Solid
Date Collected: 07/25/22 11:20
Date Received: 08/01/22 15:44
Sample Depth: 2'

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		08/05/22 13:42	08/07/22 18:54	1
Toluene	**0.000524**	**J**	0.00199	0.000453	mg/Kg		08/05/22 13:42	08/07/22 18:54	1
Ethylbenzene	**0.00129**	**J**	0.00199	0.000562	mg/Kg		08/05/22 13:42	08/07/22 18:54	1
m-Xylene & p-Xylene	**0.00233**	**J**	0.00398	0.00100	mg/Kg		08/05/22 13:42	08/07/22 18:54	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		08/05/22 13:42	08/07/22 18:54	1
Xylenes, Total	**0.00233**	**J**	0.00398	0.00100	mg/Kg		08/05/22 13:42	08/07/22 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*077*		*57 - 017*	*73/72/: : 0184:*	*73/75/: : 0382 4*	*0*

Client Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

Client Sample ID: S-12A
Date Collected: 07/25/22 11:20
Date Received: 08/01/22 15:44
Sample Depth: 2'

Lab Sample ID: 890-2703-12
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
0[illegible]4-i fluorobenzene (Surr)	33		57 - 017	73/72/: : 0184:	73/75/: : 03824	0

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00414**		0.00398	0.00100	mg/Kg			08/08/22 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**164**		50.0	15.0	mg/Kg			08/05/22 08:59	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		08/03/22 15:09	08/05/22 03:08	1
Diesel Range Organics (Over C10-C28)	**164**		50.0	15.0	mg/Kg		08/03/22 15:09	08/05/22 03:08	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		08/03/22 15:09	08/05/22 03:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
0-h cloroot aTne	30		57 - 017	73/71/: : 02879	73/72/: : 71873	0
o-perycen6l	9:		57 - 017	73/71/: : 02879	73/72/: : 71873	0

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**350**		4.97	0.853	mg/Kg			08/09/22 12:41	1

Surrogate Summary

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-2703-1	S-1A	99	80
890-2703-1 MS	S-1A	109	95
890-2703-1 MSD	S-1A	113	80
890-2703-2	S-2A	101	79
890-2703-3	S-3A	114	88
890-2703-4	S-4A	112	85
890-2703-5	S-5A	112	81
890-2703-6	S-6A	110	83
890-2703-7	S-7A	112	80
890-2703-8	S-8A	112	83
890-2703-9	S-9A	114	90
890-2703-10	S-10A	110	84
890-2703-11	S-11A	102	84
890-2703-12	S-12A	100	88
LCS 880-31602/1-A	Lab Control Sample	107	99
LCS 880-31669/1-A	Lab Control Sample	100	99
LCSD 880-31602/2-A	Lab Control Sample Dup	99	97
LCSD 880-31669/2-A	Lab Control Sample Dup	101	101
MB 880-31602/5-A	Method Blank	95	80
MB 880-31669/5-A	Method Blank	130	111

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-2703-1	S-1A	92	102
890-2703-2	S-2A	89	98
890-2703-3	S-3A	95	105
890-2703-4	S-4A	95	112
890-2703-5	S-5A	108	125
890-2703-6	S-6A	79	92
890-2703-7	S-7A	96	106
890-2703-8	S-8A	79	93
890-2703-9	S-9A	101	111
890-2703-10	S-10A	80	91
890-2703-11	S-11A	76	85
890-2703-12	S-12A	81	92
LCS 880-31438/2-A	Lab Control Sample	124	131 S1+
LCSD 880-31438/3-A	Lab Control Sample Dup	121	129
MB 880-31438/1-A	Method Blank	88	104

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-31602/5-A
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31602

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	F m/Km		08/06/22 13:g2	08/07/22 13:gg	1
Toluene	<0.000g65	U	0.00200	0.000g65	F m/Km		08/06/22 13:g2	08/07/22 13:gg	1
Et4ylbenzene	<0.000656	U	0.00200	0.000656	F m/Km		08/06/22 13:g2	08/07/22 13:gg	1
F -hylene X &-hylene	<0.00101	U	0.00g00	0.00101	F m/Km		08/06/22 13:g2	08/07/22 13:gg	1
o-hylene	<0.0003gg	U	0.00200	0.0003gg	F m/Km		08/06/22 13:g2	08/07/22 13:gg	1
hylenepsTotal	<0.00101	U	0.00g00	0.00101	F m/Km		08/06/22 13:g2	08/07/22 13:gg	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*08/05/22 13:42*	*08/07/22 13:44*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/05/22 13:42*	*08/07/22 13:44*	*1*

Lab Sample ID: LCS 880-31602/1-A
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31602

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1073		F m/Km		107	70 - 130
Toluene	0.100	0.1063		F m/Km		106	70 - 130
Et4ylbenzene	0.100	0.1106		F m/Km		111	70 - 130
F -hylene X &-hylene	0.200	0.22g6		F m/Km		112	70 - 130
o-hylene	0.100	0.1208		F m/Km		121	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-31602/2-A
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31602

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09366		F m/Km		9g	70 - 130	1g	36
Toluene	0.100	0.09121		F m/Km		91	70 - 130	1g	36
Et4ylbenzene	0.100	0.09177		F m/Km		92	70 - 130	19	36
F -hylene X &-hylene	0.200	0.1821		F m/Km		91	70 - 130	21	36
o-hylene	0.100	0.1009		F m/Km		101	70 - 130	18	36

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-2703-1 MS
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: S-1A
Prep Type: Total/NA
Prep Batch: 31602

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000385	U , 2 , 1	0.0998	0.0g079	, 1	F m/Km		g1	70 - 130
Toluene	<0.000g67	U , 2 , 1	0.0998	0.0g15g	, 1	F m/Km		g2	70 - 130

EuroRnp CarlpbaO

QC Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

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

Lab Sample ID: 890-2703-1 MS
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: S-1A
Prep Type: Total/NA
Prep Batch: 31602

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Et4ylbenzene	<0.000655	U , 2 , 1	0.0998	0.0g152	, 1	F m/Km		g2	70 - 130
F -hylene X &-hylene	<0.00101	U , 2 , 1	0.200	0.07188	, 1	F m/Km		35	70 - 130
o-hylene	<0.0003g6	U , 2 , 1	0.0998	0.06817	, 1	F m/Km		68	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-2703-1 MSD
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: S-1A
Prep Type: Total/NA
Prep Batch: 31602

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000385	U , 2 , 1	0.100	0.002687	, 2 , 1	F m/Km		3	70 - 130	175	36
Toluene	<0.000g67	U , 2 , 1	0.100	0.003991	, 2 , 1	F m/Km		g	70 - 130	156	36
Et4ylbenzene	<0.000655	U , 2 , 1	0.100	0.00g0g0	, 2 , 1	F m/Km		g	70 - 130	156	36
F -hylene X &-hylene	<0.00101	U , 2 , 1	0.201	0.0027g5	J , 2 , 1	F m/Km		1	70 - 130	186	36
o-hylene	<0.0003g6	U , 2 , 1	0.100	0.01g85	, 2 , 1	F m/Km		16	70 - 130	119	36

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*

Lab Sample ID: MB 880-31669/5-A
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	F m/Km		08/07/22 12:02	08/08/22 00:21	1
Toluene	<0.000g65	U	0.00200	0.000g65	F m/Km		08/07/22 12:02	08/08/22 00:21	1
Et4ylbenzene	<0.000656	U	0.00200	0.000656	F m/Km		08/07/22 12:02	08/08/22 00:21	1
F -hylene X &-hylene	<0.00101	U	0.00g00	0.00101	F m/Km		08/07/22 12:02	08/08/22 00:21	1
o-hylene	<0.0003gg	U	0.00200	0.0003gg	F m/Km		08/07/22 12:02	08/08/22 00:21	1
hylenepsTotal	<0.00101	U	0.00g00	0.00101	F m/Km		08/07/22 12:02	08/08/22 00:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*08/07/22 12:02*	*08/08/22 00:21*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*08/07/22 12:02*	*08/08/22 00:21*	*1*

Lab Sample ID: LCS 880-31669/1-A
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31669

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1009		F m/Km		101	70 - 130
Toluene	0.100	0.09893		F m/Km		99	70 - 130
Et4ylbenzene	0.100	0.09836		F m/Km		98	70 - 130
F -hylene X &-hylene	0.200	0.198g		F m/Km		99	70 - 130

EuroRnp CarlpbaO

QC Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-31669/1-A
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31669

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-hylene			0.100	0.1125		F m/Km		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-31669/2-A
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31669

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1023		F m/Km		102	70 - 130	1	36
Toluene			0.100	0.100g		F m/Km		100	70 - 130	2	36
Et4ylbenzene			0.100	0.101g		F m/Km		101	70 - 130	3	36
F -hylene X &-hylene			0.200	0.20g3		F m/Km		102	70 - 130	3	36
o-hylene			0.100	0.113g		F m/Km		113	70 - 130	1	36

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

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

Lab Sample ID: MB 880-31438/1-A
Matrix: Solid
Analysis Batch: 31455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gapoline (anme) rmanicp vG( ) f-C5-C10	18.39	J	60.0	16.0	F m/Km		08/03/22 16:09	08/0g/22 19:63	1
Diepel (anme) rmanicp v) der C10-C28f	<16.0	U	60.0	16.0	F m/Km		08/03/22 16:09	08/0g/22 19:63	1
) ll (anme) rmanicp v) der C28-C35f	<16.0	U	60.0	16.0	F m/Km		08/03/22 16:09	08/0g/22 19:63	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*08/03/22 15:09*	*08/04/22 19:53*	*1*
o-Terphenyl	*104*		*70 - 130*	*08/03/22 15:09*	*08/04/22 19:53*	*1*

Lab Sample ID: LCS 880-31438/2-A
Matrix: Solid
Analysis Batch: 31455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31438

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gapoline (anme) rmanicp vG( ) f-C5-C10			1000	906.8		F m/Km		91	70 - 130		
Diepel (anme) rmanicp v) der C10-C28f			1000	923.2		F m/Km		92	70 - 130		

EuroRhp CarlpbaO

QC Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-31438/2-A
Matrix: Solid
Analysis Batch: 31455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31438

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	131	S1+	70 - 130

Lab Sample ID: LCSD 880-31438/3-A
Matrix: Solid
Analysis Batch: 31455

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31438

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gapoline (anme) rmanicp vG( ) f-C5-C10			1000	1071		F m/Km		107	70 - 130	17	20
Diepel (anme) rmanicp v) der C10-C28f			1000	916.2		F m/Km		92	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	129		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-31445/1-A
Matrix: Solid
Analysis Batch: 31664

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C4loriOe	<0.868	U	6.00	0.868	F m/Km			08/09/22 09:65	1

Lab Sample ID: LCS 880-31445/2-A
Matrix: Solid
Analysis Batch: 31664

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C4loriOe			260	231.6		F m/Km		93	90 - 110

Lab Sample ID: LCSD 880-31445/3-A
Matrix: Solid
Analysis Batch: 31664

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
C4loriOe			260	232.6		F m/Km		93	90 - 110	0	20

Lab Sample ID: 890-2703-10 MS
Matrix: Solid
Analysis Batch: 31664

Client Sample ID: S-10A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C4loriOe	261		260	g98.6		F m/Km		99	90 - 110

EuroRnp CarlpbaO

QC Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2703-10 MSD
Matrix: Solid
Analysis Batch: 31664

Client Sample ID: S-10A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C4loriCe	261		260	g99.8		F m/Km		100	90 - 110	0	20

QC Association Summary

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

GC VOA

Prep Batch: 31602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2703-1	S-1A	Total/NA	Solid	5035	
890-2703-2	S-2A	Total/NA	Solid	5035	
890-2703-3	S-3A	Total/NA	Solid	5035	
890-2703-4	S-4A	Total/NA	Solid	5035	
890-2703-5	S-5A	Total/NA	Solid	5035	
890-2703-6	S-6A	Total/NA	Solid	5035	
890-2703-7	S-7A	Total/NA	Solid	5035	
890-2703-8	S-8A	Total/NA	Solid	5035	
890-2703-9	S-9A	Total/NA	Solid	5035	
890-2703-10	S-10A	Total/NA	Solid	5035	
890-2703-11	S-11A	Total/NA	Solid	5035	
890-2703-12	S-12A	Total/NA	Solid	5035	
MB 880-31602/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31602/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31602/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2703-1 MS	S-1A	Total/NA	Solid	5035	
890-2703-1 MSD	S-1A	Total/NA	Solid	5035	

Analysis Batch: 31654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2703-1	S-1A	Total/NA	Solid	8021B	31602
890-2703-2	S-2A	Total/NA	Solid	8021B	31602
890-2703-3	S-3A	Total/NA	Solid	8021B	31602
890-2703-4	S-4A	Total/NA	Solid	8021B	31602
890-2703-5	S-5A	Total/NA	Solid	8021B	31602
890-2703-6	S-6A	Total/NA	Solid	8021B	31602
890-2703-7	S-7A	Total/NA	Solid	8021B	31602
890-2703-8	S-8A	Total/NA	Solid	8021B	31602
890-2703-9	S-9A	Total/NA	Solid	8021B	31602
890-2703-10	S-10A	Total/NA	Solid	8021B	31602
890-2703-11	S-11A	Total/NA	Solid	8021B	31602
890-2703-12	S-12A	Total/NA	Solid	8021B	31602
MB 880-31602/5-A	Method Blank	Total/NA	Solid	8021B	31602
MB 880-31669/5-A	Method Blank	Total/NA	Solid	8021B	31669
LCS 880-31602/1-A	Lab Control Sample	Total/NA	Solid	8021B	31602
LCS 880-31669/1-A	Lab Control Sample	Total/NA	Solid	8021B	31669
LCSD 880-31602/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31602
LCSD 880-31669/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31669
890-2703-1 MS	S-1A	Total/NA	Solid	8021B	31602
890-2703-1 MSD	S-1A	Total/NA	Solid	8021B	31602

Prep Batch: 31669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-31669/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31669/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31669/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 31802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2703-1	S-1A	Total/NA	Solid	Total BTEX	
890-2703-2	S-2A	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 31802 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2703-3	S-3A	Total/NA	Solid	Total BTEX	
890-2703-4	S-4A	Total/NA	Solid	Total BTEX	
890-2703-5	S-5A	Total/NA	Solid	Total BTEX	
890-2703-6	S-6A	Total/NA	Solid	Total BTEX	
890-2703-7	S-7A	Total/NA	Solid	Total BTEX	
890-2703-8	S-8A	Total/NA	Solid	Total BTEX	
890-2703-9	S-9A	Total/NA	Solid	Total BTEX	
890-2703-10	S-10A	Total/NA	Solid	Total BTEX	
890-2703-11	S-11A	Total/NA	Solid	Total BTEX	
890-2703-12	S-12A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 31438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2703-1	S-1A	Total/NA	Solid	8015NM Prep	
890-2703-2	S-2A	Total/NA	Solid	8015NM Prep	
890-2703-3	S-3A	Total/NA	Solid	8015NM Prep	
890-2703-4	S-4A	Total/NA	Solid	8015NM Prep	
890-2703-5	S-5A	Total/NA	Solid	8015NM Prep	
890-2703-6	S-6A	Total/NA	Solid	8015NM Prep	
890-2703-7	S-7A	Total/NA	Solid	8015NM Prep	
890-2703-8	S-8A	Total/NA	Solid	8015NM Prep	
890-2703-9	S-9A	Total/NA	Solid	8015NM Prep	
890-2703-10	S-10A	Total/NA	Solid	8015NM Prep	
890-2703-11	S-11A	Total/NA	Solid	8015NM Prep	
890-2703-12	S-12A	Total/NA	Solid	8015NM Prep	
MB 880-31438/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-31438/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-31438/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 31455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2703-1	S-1A	Total/NA	Solid	8015B NM	31438
890-2703-2	S-2A	Total/NA	Solid	8015B NM	31438
890-2703-3	S-3A	Total/NA	Solid	8015B NM	31438
890-2703-4	S-4A	Total/NA	Solid	8015B NM	31438
890-2703-5	S-5A	Total/NA	Solid	8015B NM	31438
890-2703-6	S-6A	Total/NA	Solid	8015B NM	31438
890-2703-7	S-7A	Total/NA	Solid	8015B NM	31438
890-2703-8	S-8A	Total/NA	Solid	8015B NM	31438
890-2703-9	S-9A	Total/NA	Solid	8015B NM	31438
890-2703-10	S-10A	Total/NA	Solid	8015B NM	31438
890-2703-11	S-11A	Total/NA	Solid	8015B NM	31438
890-2703-12	S-12A	Total/NA	Solid	8015B NM	31438
MB 880-31438/1-A	Method Blank	Total/NA	Solid	8015B NM	31438
LCS 880-31438/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	31438
LCSD 880-31438/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	31438

QC Association Summary

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

GC Semi VOA

Analysis Batch: 31551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2703-1	S-1A	Total/NA	Solid	8015 NM	
890-2703-2	S-2A	Total/NA	Solid	8015 NM	
890-2703-3	S-3A	Total/NA	Solid	8015 NM	
890-2703-4	S-4A	Total/NA	Solid	8015 NM	
890-2703-5	S-5A	Total/NA	Solid	8015 NM	
890-2703-6	S-6A	Total/NA	Solid	8015 NM	
890-2703-7	S-7A	Total/NA	Solid	8015 NM	
890-2703-8	S-8A	Total/NA	Solid	8015 NM	
890-2703-9	S-9A	Total/NA	Solid	8015 NM	
890-2703-10	S-10A	Total/NA	Solid	8015 NM	
890-2703-11	S-11A	Total/NA	Solid	8015 NM	
890-2703-12	S-12A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 31445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2703-1	S-1A	Soluble	Solid	DI Leach	
890-2703-2	S-2A	Soluble	Solid	DI Leach	
890-2703-3	S-3A	Soluble	Solid	DI Leach	
890-2703-4	S-4A	Soluble	Solid	DI Leach	
890-2703-5	S-5A	Soluble	Solid	DI Leach	
890-2703-6	S-6A	Soluble	Solid	DI Leach	
890-2703-7	S-7A	Soluble	Solid	DI Leach	
890-2703-8	S-8A	Soluble	Solid	DI Leach	
890-2703-9	S-9A	Soluble	Solid	DI Leach	
890-2703-10	S-10A	Soluble	Solid	DI Leach	
890-2703-11	S-11A	Soluble	Solid	DI Leach	
890-2703-12	S-12A	Soluble	Solid	DI Leach	
MB 880-31445/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-31445/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-31445/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2703-10 MS	S-10A	Soluble	Solid	DI Leach	
890-2703-10 MSD	S-10A	Soluble	Solid	DI Leach	

Analysis Batch: 31664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2703-1	S-1A	Soluble	Solid	300.0	31445
890-2703-2	S-2A	Soluble	Solid	300.0	31445
890-2703-3	S-3A	Soluble	Solid	300.0	31445
890-2703-4	S-4A	Soluble	Solid	300.0	31445
890-2703-5	S-5A	Soluble	Solid	300.0	31445
890-2703-6	S-6A	Soluble	Solid	300.0	31445
890-2703-7	S-7A	Soluble	Solid	300.0	31445
890-2703-8	S-8A	Soluble	Solid	300.0	31445
890-2703-9	S-9A	Soluble	Solid	300.0	31445
890-2703-10	S-10A	Soluble	Solid	300.0	31445
890-2703-11	S-11A	Soluble	Solid	300.0	31445
890-2703-12	S-12A	Soluble	Solid	300.0	31445
MB 880-31445/1-A	Method Blank	Soluble	Solid	300.0	31445
LCS 880-31445/2-A	Lab Control Sample	Soluble	Solid	300.0	31445

QC Association Summary

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 31664 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-31445/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	31445
890-2703-10 MS	S-10A	Soluble	Solid	300.0	31445
890-2703-10 MSD	S-10A	Soluble	Solid	300.0	31445

Lab Chronicle

Client: Talon/LPE
PœSmt/Kite: EG 29

Job ID: 890-210r -j
KD7 : Lea Co6nt. p 5

Client Sample ID: S-1A
Date Collected: 07/25/22 09:30
Date Received: 08/01/22 15:44

Lab Sample ID: 890-2703-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p N	Pœ3	M0r M			4A99 g	My L	r j X02	08/0M22 j r :42	5 R	EETKC 5 ID
Total/p N	Nnal. sis	802j B		j	My L	My L	r j XM4	08/01/22 j 4:0X	EL	EETKC 5 IL
Total/p N	Nnal. sis	Total BTEh		j			r j 802	08/08/22 j X:21	K5	EETKC 5 IL
Total/p N	Nnal. sis	80j Mp 5		j			r j MMJ	08/0M22 08:M9	NJ	EETKC 5 IL
Total/p N	Pœ3	80j Mp 5 Pœ3			j 0A04 g	j 0 y L	r j 4r 8	08/0r /22 j M09	D5	EETKC 5 IL
Total/p N	Nnal. sis	80j MB p 5		j			r j 4MM	08/04/22 22:41	NJ	EETKC 5 IL
Kol6ble	Leamu	DI Leamu			4A91 g	M0 y L	r j 44M	08/0r /22 j 1:04	K5 C	EETKC 5 IL
Kol6ble	Nnal. sis	r 00A0		j			r j XX4	08/09/22 20:M	CH	EETKC 5 IL

Client Sample ID: S-2A
Date Collected: 07/25/22 09:40
Date Received: 08/01/22 15:44

Lab Sample ID: 890-2703-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p N	Pœ3	M0r M			MA0j g	My L	r j X02	08/0M22 j r :42	5 R	EETKC 5 ID
Total/p N	Nnal. sis	802j B		j	My L	My L	r j XM4	08/01/22 j 4:2X	EL	EETKC 5 IL
Total/p N	Nnal. sis	Total BTEh		j			r j 802	08/08/22 j X:21	K5	EETKC 5 IL
Total/p N	Nnal. sis	80j Mp 5		j			r j MMJ	08/0M22 08:M9	NJ	EETKC 5 IL
Total/p N	Pœ3	80j Mp 5 Pœ3			j 0A00 g	j 0 y L	r j 4r 8	08/0r /22 j M09	D5	EETKC 5 IL
Total/p N	Nnal. sis	80j MB p 5		j			r j 4MM	08/04/22 2r :09	NJ	EETKC 5 IL
Kol6ble	Leamu	DI Leamu			4A9Mg	M0 y L	r j 44M	08/0r /22 j 1:04	K5 C	EETKC 5 IL
Kol6ble	Nnal. sis	r 00A0		M			r j XX4	08/09/22 j 0:MJ	CH	EETKC 5 IL

Client Sample ID: S-3A
Date Collected: 07/25/22 09:50
Date Received: 08/01/22 15:44

Lab Sample ID: 890-2703-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p N	Pœ3	M0r M			4A98 g	My L	r j X02	08/0M22 j r :42	5 R	EETKC 5 ID
Total/p N	Nnal. sis	802j B		j	My L	My L	r j XM4	08/01/22 j 4:41	EL	EETKC 5 IL
Total/p N	Nnal. sis	Total BTEh		j			r j 802	08/08/22 j X:21	K5	EETKC 5 IL
Total/p N	Nnal. sis	80j Mp 5		j			r j MMJ	08/0M22 08:M9	NJ	EETKC 5 IL
Total/p N	Pœ3	80j Mp 5 Pœ3			j 0A0j g	j 0 y L	r j 4r 8	08/0r /22 j M09	D5	EETKC 5 IL
Total/p N	Nnal. sis	80j MB p 5		j			r j 4MM	08/04/22 2r :r j	NJ	EETKC 5 IL
Kol6ble	Leamu	DI Leamu			Mg	M0 y L	r j 44M	08/0r /22 j 1:04	K5 C	EETKC 5 IL
Kol6ble	Nnal. sis	r 00A0		j			r j XX4	08/09/22 j 0:M9	CH	EETKC 5 IL

Client Sample ID: S-4A
Date Collected: 07/25/22 10:00
Date Received: 08/01/22 15:44

Lab Sample ID: 890-2703-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p N	Pœ3	M0r M			MA0j g	My L	r j X02	08/0M22 j r :42	5 R	EETKC 5 ID
Total/p N	Nnal. sis	802j B		j	My L	My L	r j XM4	08/01/22 j M01	EL	EETKC 5 IL
Total/p N	Nnal. sis	Total BTEh		j			r j 802	08/08/22 j X:21	K5	EETKC 5 IL

E6oofins Cadsbad

Lab Chronicle

Client: Talon/LPE
PœSmt/Kite: EG 29

Job ID: 890-210r -j
KD7 : Lea Co6nt. p 5

Client Sample ID: S-4A
Date Collected: 07/25/22 10:00
Date Received: 08/01/22 15:44

Lab Sample ID: 890-2703-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p N	Nnal. sis	80j Mp 5		j			r j MMJ	08/0M22 08:M9	NJ	EETKC 5 ID
Total/p N	Pœ3	80j Mp 5 Pœ3			j 0A00 g	j 0 y L	r j 4r 8	08/0r /22 j M09	D5	EETKC 5 IL
Total/p N	Nnal. sis	80j MB p 5		j			r j 4MM	08/04/22 2r :M2	NJ	EETKC 5 IL
Kol6ble	Leamu	DI Leamu			Mg	M0 y L	r j 44M	08/0r /22 j 1:04	K5 C	EETKC 5 IL
Kol6ble	Nnal. sis	r 00A0		M			r j XX4	08/09/22 j j :01	CH	EETKC 5 IL

Client Sample ID: S-5A
Date Collected: 07/25/22 10:10
Date Received: 08/01/22 15:44

Lab Sample ID: 890-2703-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p N	Pœ3	M0r M			MA0j g	My L	r j X02	08/0M22 j r :42	5 R	EETKC 5 ID
Total/p N	Nnal. sis	802j B		j	My L	My L	r j XM4	08/01/22 j M28	EL	EETKC 5 IL
Total/p N	Nnal. sis	Total BTEh		j			r j 802	08/08/22 j X:21	K5	EETKC 5 IL
Total/p N	Nnal. sis	80j Mp 5		j			r j MMJ	08/0M22 08:M9	NJ	EETKC 5 IL
Total/p N	Pœ3	80j Mp 5 Pœ3			j 0A02 g	j 0 y L	r j 4r 8	08/0r /22 j M09	D5	EETKC 5 IL
Total/p N	Nnal. sis	80j MB p 5		j			r j 4MM	08/0M22 00:j 4	NJ	EETKC 5 IL
Kol6ble	Leamu	DI Leamu			MA0r g	M0 y L	r j 44M	08/0r /22 j 1:04	K5 C	EETKC 5 IL
Kol6ble	Nnal. sis	r 00A0		j 0			r j XX4	08/09/22 j j :r 0	CH	EETKC 5 IL

Client Sample ID: S-6A
Date Collected: 07/25/22 10:20
Date Received: 08/01/22 15:44

Lab Sample ID: 890-2703-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p N	Pœ3	M0r M			MA0r g	My L	r j X02	08/0M22 j r :42	5 R	EETKC 5 ID
Total/p N	Nnal. sis	802j B		j	My L	My L	r j XM4	08/01/22 j M48	EL	EETKC 5 IL
Total/p N	Nnal. sis	Total BTEh		j			r j 802	08/08/22 j X:21	K5	EETKC 5 IL
Total/p N	Nnal. sis	80j Mp 5		j			r j MMJ	08/0M22 08:M9	NJ	EETKC 5 IL
Total/p N	Pœ3	80j Mp 5 Pœ3			j 0A0r g	j 0 y L	r j 4r 8	08/0r /22 j M09	D5	EETKC 5 IL
Total/p N	Nnal. sis	80j MB p 5		j			r j 4MM	08/0M22 00:r X	NJ	EETKC 5 IL
Kol6ble	Leamu	DI Leamu			MA04 g	M0 y L	r j 44M	08/0r /22 j 1:04	K5 C	EETKC 5 IL
Kol6ble	Nnal. sis	r 00A0		M			r j XX4	08/09/22 j j :r 8	CH	EETKC 5 IL

Client Sample ID: S-7A
Date Collected: 07/25/22 10:30
Date Received: 08/01/22 15:44

Lab Sample ID: 890-2703-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p N	Pœ3	M0r M			4A99 g	My L	r j X02	08/0M22 j r :42	5 R	EETKC 5 ID
Total/p N	Nnal. sis	802j B		j	My L	My L	r j XM4	08/01/22 j X:09	EL	EETKC 5 IL
Total/p N	Nnal. sis	Total BTEh		j			r j 802	08/08/22 j X:21	K5	EETKC 5 IL
Total/p N	Nnal. sis	80j Mp 5		j			r j MMJ	08/0M22 08:M9	NJ	EETKC 5 IL
Total/p N	Pœ3	80j Mp 5 Pœ3			j 0A0j g	j 0 y L	r j 4r 8	08/0r /22 j M09	D5	EETKC 5 IL
Total/p N	Nnal. sis	80j MB p 5		j			r j 4MM	08/0M22 00:M8	NJ	EETKC 5 IL

Lab Chronicle

Client: Talon/LPE Job ID: 890-210r -j
PcoSent/Kite: EG 29 KD7 : Lea Co6nt. p 5

Client Sample ID: S-7A Lab Sample ID: 890-2703-7

Date Collected: 07/25/22 10:30 **Matrix: Solid**
Date Received: 08/01/22 15:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Kol6ble	Leamu	DI Leamu			Mg	M0 y L	r j 44M	08/0r /22 j 1:04	K5 C	EETKC 5 ID
Kol6ble	Nnal. sis	r 00A0		M			r j XX4	08/09/22 j j :4X	CH	EETKC 5 IL

Client Sample ID: S-8A Lab Sample ID: 890-2703-8

Date Collected: 07/25/22 10:40 **Matrix: Solid**
Date Received: 08/01/22 15:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p N	Pce3	M0r M			MA0j g	My L	r j X02	08/0M22 j r :42	5 R	EETKC 5 ID
Total/p N	Nnal. sis	802j B		j	My L	My L	r j XM4	08/01/22 j X:29	EL	EETKC 5 IL
Total/p N	Nnal. sis	Total BTEh		j			r j 802	08/08/22 j X:21	K5	EETKC 5 IL
Total/p N	Nnal. sis	80j Mp 5		j			r j MMj	08/0M22 08:M9	NJ	EETKC 5 IL
Total/p N	Pce3	80j Mp 5 Pce3			j 0A0j g	j 0 y L	r j 4r 8	08/0r /22 j M09	D5	EETKC 5 IL
Total/p N	Nnal. sis	80j MB p 5		j			r j 4MM	08/0M22 0j :4j	NJ	EETKC 5 IL
Kol6ble	Leamu	DI Leamu			Mg	M0 y L	r j 44M	08/0r /22 j 1:04	K5 C	EETKC 5 IL
Kol6ble	Nnal. sis	r 00A0		M			r j XX4	08/09/22 j j :M4	CH	EETKC 5 IL

Client Sample ID: S-9A Lab Sample ID: 890-2703-9

Date Collected: 07/25/22 10:50 **Matrix: Solid**
Date Received: 08/01/22 15:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p N	Pce3	M0r M			MA0Mg	My L	r j X02	08/0M22 j r :42	5 R	EETKC 5 ID
Total/p N	Nnal. sis	802j B		j	My L	My L	r j XM4	08/01/22 j X:M0	EL	EETKC 5 IL
Total/p N	Nnal. sis	Total BTEh		j			r j 802	08/08/22 j X:21	K5	EETKC 5 IL
Total/p N	Nnal. sis	80j Mp 5		j			r j MMj	08/0M22 08:M9	NJ	EETKC 5 IL
Total/p N	Pce3	80j Mp 5 Pce3			j 0A02 g	j 0 y L	r j 4r 8	08/0r /22 j M09	D5	EETKC 5 IL
Total/p N	Nnal. sis	80j MB p 5		j			r j 4MM	08/0M22 02:0r	NJ	EETKC 5 IL
Kol6ble	Leamu	DI Leamu			MA0r g	M0 y L	r j 44M	08/0r /22 j 1:04	K5 C	EETKC 5 IL
Kol6ble	Nnal. sis	r 00A0		M			r j XX4	08/09/22 j 2:0j	CH	EETKC 5 IL

Client Sample ID: S-10A Lab Sample ID: 890-2703-10

Date Collected: 07/25/22 11:00 **Matrix: Solid**
Date Received: 08/01/22 15:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p N	Pce3	M0r M			4A91 g	My L	r j X02	08/0M22 j r :42	5 R	EETKC 5 ID
Total/p N	Nnal. sis	802j B		j	My L	My L	r j XM4	08/01/22 j 1:j j	EL	EETKC 5 IL
Total/p N	Nnal. sis	Total BTEh		j			r j 802	08/08/22 j X:21	K5	EETKC 5 IL
Total/p N	Nnal. sis	80j Mp 5		j			r j MMj	08/0M22 08:M9	NJ	EETKC 5 IL
Total/p N	Pce3	80j Mp 5 Pce3			j 0A04 g	j 0 y L	r j 4r 8	08/0r /22 j M09	D5	EETKC 5 IL
Total/p N	Nnal. sis	80j MB p 5		j			r j 4MM	08/0M22 02:2M	NJ	EETKC 5 IL
Kol6ble	Leamu	DI Leamu			MA0j g	M0 y L	r j 44M	08/0r /22 j 1:04	K5 C	EETKC 5 IL
Kol6ble	Nnal. sis	r 00A0		j			r j XX4	08/09/22 j 2:09	CH	EETKC 5 IL

E6cofins Cadsbad

Lab Chronicle

Client: Talon/LPE
Pco Sem t/Kite: EG 29

Job ID: 890-210r -j
KD7 : Lea Co6nt. p 5

Client Sample ID: S-11A

Date Collected: 07/25/22 11:10
Date Received: 08/01/22 15:44

Lab Sample ID: 890-2703-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p N	Pœ3	M0r M			MA02 g	My L	r j X02	08/0M22 j r :42	5 R	EETKC 5 ID
Total/p N	Nnal. sis	802j B		j	My L	My L	r j XM4	08/01/22 j 8:r r	EL	EETKC 5 IL
Total/p N	Nnal. sis	Total BTEh		j			r j 802	08/08/22 j X:21	K5	EETKC 5 IL
Total/p N	Nnal. sis	80j Mp 5		j			r j MMJ	08/0M22 08:M9	NJ	EETKC 5 IL
Total/p N	Pœ3	80j Mp 5 Pœ3			j 0A00 g	j 0 y L	r j 4r 8	08/0r /22 j M09	D5	EETKC 5 IL
Total/p N	Nnal. sis	80j MB p 5		j			r j 4MM	08/0M22 02:41	NJ	EETKC 5 IL
Kol6ble	Leamu	DI Leamu			MA0Mg	M0 y L	r j 44M	08/0r /22 j 1:04	K5 C	EETKC 5 IL
Kol6ble	Nnal. sis	r 00A0		j			r j XX4	08/09/22 j 2:r r	CH	EETKC 5 IL

Client Sample ID: S-12A

Date Collected: 07/25/22 11:20
Date Received: 08/01/22 15:44

Lab Sample ID: 890-2703-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/p N	Pœ3	M0r M			MA0r g	My L	r j X02	08/0M22 j r :42	5 R	EETKC 5 ID
Total/p N	Nnal. sis	802j B		j	My L	My L	r j XM4	08/01/22 j 8:M4	EL	EETKC 5 IL
Total/p N	Nnal. sis	Total BTEh		j			r j 802	08/08/22 j X:21	K5	EETKC 5 IL
Total/p N	Nnal. sis	80j Mp 5		j			r j MMJ	08/0M22 08:M9	NJ	EETKC 5 IL
Total/p N	Pœ3	80j Mp 5 Pœ3			j 0A00 g	j 0 y L	r j 4r 8	08/0r /22 j M09	D5	EETKC 5 IL
Total/p N	Nnal. sis	80j MB p 5		j			r j 4MM	08/0M22 0r :08	NJ	EETKC 5 IL
Kol6ble	Leamu	DI Leamu			MA0r g	M0 y L	r j 44M	08/0r /22 j 1:04	K5 C	EETKC 5 IL
Kol6ble	Nnal. sis	r 00A0		j			r j XX4	08/09/22 j 2:4j	CH	EETKC 5 IL

Laboratory References:

EETKC 5 ID = E6œofins 5 idland, j 2j j WAFlœida Nve, 5 idland, Th 1910j , TEL (4r 2)104-M440

Accreditation/Certification Summary

Client: Talon/LPE
Pco Sent/Kite: EG 29

Job ID: 890-210r -j
KD7 : Lea Co6nt. Us

Laboratory: Eurofins Midland

h nlewwotdec, iwe noteyf all anal. tewvoctdiwlabocatoc. , ece nouecey 6nyeceand anmeyitation/nedivination belo, x

Authority	Program	Identification Number	Expiration Date
TeNaw	UELAP	Tj 04104400-22-24	03-r 0-2r

Tde vollo, ing anal. tewace inm6yey in tdiwcepodf b6t tde labocatoc. iwnot nedivey b. tde gouecning a6tdodt. x Tdiwliwt Ma. inm6ye anal. tewvoc, dind tde agenm yoewnot owecnedivination x

Anal. wiws etdoy	Pcep s etdoy	s atdN	Anal. te
80j 5 Us		Koliy	Total TPH
Total BTEX		Koliy	Total BTEX

E6covinwCadwbay

Method Summary

i ed Ta / LeoTPESG
SmoK WaP7 rat : G4 29

Job ID: 890-210C-I
7D6 : Et L i o. Tar j c

Method	Method Description	Protocol	Laboratory
802l g	poeLate u mdLTrWi os (o. T) X N6 i M	7B 8VO	GG/ 7i c ID
/ oaLeg / G5	/ oaLeg / G5 i LeW eLaroT	/ AE 7u S	GG/ 7i c ID
80l Rj c	Dnl Xt e3 LTdt u mdLTrWX ND3 u MN6 i M	7B 8VO	GG/ 7i c ID
80l Rg j c	Dnl Xt e3 LTdt u mdLTrWX ND3 u MN6 i M	7B 8VO	GG/ 7i c ID
C00,0	ATroTXhloT i ymos LaodnL(yr	c i AB B	GG/ 7i c ID
R0CR	i eoXt) 7r Xat s S. mdt LT) / mL(	7B 8VO	GG/ 7i c ID
80l Rj c Smt(	c rWot xanLWaroT	7B 8VO	GG/ 7i c ID
Dl Et LWy	Dt roTnzt) B Lat mEt LWynTd SmoW) . mt	A7/ c	GG/ 7i c ID

Protocol References:

A7/ c = A7/ c lTat mTLaroTLe

c i AB B = "c t ayo) X Forni yt s mWLeATLe XnX u f B Lat mAT) B LXat X"hGSA-C00RV-19-020hc LnW l 98C AT) 7. bXt q. t Ta3 t vnXroTX,

7B 8VO= "/ t Xac t ayo) X FornGvLe LaTd 7oe) B LXat hSyr XnWLeP yt s mWLec t ayo) X"h/ ymn) G) naroThj ovt s bt ml 98O AT) laX U( ) Lat X,

/ AE 7u S = / t XaAs t mWL ELbonLaoml Xh7 aLT) Lm) u (t mLaTd SmoW) . mt

Laboratory References:

GG/ 7i c ID = G. mofnTX c n) eLT) hl 2l l B , Feon) L Avt hc n) eLT) h/ 5 1910l h/ GE NVC2M0V-RVV0

G. mofnTX i LmeXoL)

Sample Summary

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2703-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2703-1	S-1A	Solid	07/25/22 09:30	08/01/22 15:44	1'
890-2703-2	S-2A	Solid	07/25/22 09:40	08/01/22 15:44	1'
890-2703-3	S-3A	Solid	07/25/22 09:50	08/01/22 15:44	1'
890-2703-4	S-4A	Solid	07/25/22 10:00	08/01/22 15:44	1'
890-2703-5	S-5A	Solid	07/25/22 10:10	08/01/22 15:44	3'
890-2703-6	S-6A	Solid	07/25/22 10:20	08/01/22 15:44	3'
890-2703-7	S-7A	Solid	07/25/22 10:30	08/01/22 15:44	3'
890-2703-8	S-8A	Solid	07/25/22 10:40	08/01/22 15:44	3'
890-2703-9	S-9A	Solid	07/25/22 10:50	08/01/22 15:44	3'
890-2703-10	S-10A	Solid	07/25/22 11:00	08/01/22 15:44	3'
890-2703-11	S-11A	Solid	07/25/22 11:10	08/01/22 15:44	3'
890-2703-12	S-12A	Solid	07/25/22 11:20	08/01/22 15:44	2'

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 2

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

Work Order Comments

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

Project Name:	EK 29	Turn Around	
Project Number:	702678.002.02	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	M. Gomez	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TAM 007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	3.2	
Total Containers:		Corrected Temperature:	3.0	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX	TPH	Chlorides
S-1A	Soil	7/25/2022	9:30	1'	Comp	1		X	X	X
S-2A			9:40	1'						
S-3A			9:50	1'						
S-4A			10:00	1'						
S-5A			10:10	3'						
S-6A			10:20	3'						
S-7A			10:30	3'						
S-8A			10:40	3'						
S-9A			10:50	3'						
S-10A			11:00	3'						

Parameters

ANALYSIS REQUEST

890-2703 Chain of Custody

Preservative Codes

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

Sample Comments

Email Analyticals to:
dadkins@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_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Matthew Gomez	Amanda Stiff	8/1/22 1546			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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

8/10/2022

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Chain of Custody

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

Work Order No: ____________

www.xenco.com Page 2 of 2

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

Work Order Comments

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

Project Name:	EK 29	Turn Around	
Project Number:	702678.002.02	☑ Routine	☐ Rush
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	M. Gomez	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

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

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX	TPH	Chlorides	Sample Comments
S-11A	Soil	7/25/2022	11:10	3'	Comp	1	X	X	X	Email Analyticals to:
S-12A	|	|	11:20	2'	|	|	|	|	|	dadkins@talonlpe.com
										mgomez@talonlpe.com

Preservative Codes

None: NO	DI Water: H_2O
Cool: Cool	MeOH: Me
HCL: HC	HNO_3: HN
H_2SO_4: H_2	NaOH: Na
H_3PO_4: HP	
$NaHSO_4$: NABIS	
$Na_2S_2O_3$: $NaSO_3$	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SAPC	

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Matthew Gomez	Amanda Stufen	8/1/22 1544			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-2703-1
SDG Number: Lea County NM

Login Number: 2703
List Number: 1
Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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: 890-2703-1
SDG Number: Lea County NM

Login Number: 2703
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 08/03/22 10:15 AM

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-2702-1
Laboratory Sample Delivery Group: 702678.002.02
Client Project/Site: EK 29

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

Attn: David Adkins

JKramer

Authorized for release by:
8/10/2022 4:16:59 PM

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

Client: Talon/LPE
Project/Site: EK 29

Laboratory Job ID: 890-2702-1
SDG: 702678.002.02

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2702-1
SDG: 702678.002.02

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi 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.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2702-1
SDG: 702678.002.02

Job ID: 890-2702-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2702-1

Receipt
The samples were received on 8/1/2022 3:44 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 3.0°C

GC VOA
Method 8021B: o-Xylene biased high in LCS. Since only an acceptable LCS or LCSD is required per the method, the data has been qualified and reported.(LCS 880-31680/1-A)

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 880-31438 and analytical batch 880-31455 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-31438 and analytical batch 880-31455 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-31438 and analytical batch 880-31455 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-31438/2-A) and (890-2702-A-1-B MS). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2702-1
SDG: 702678.002.02

Client Sample ID: S.SW-2

Date Collected: 07/25/22 11:30
Date Received: 08/01/22 15:44
Sample Depth: 2'

Lab Sample ID: 890-2702-1
Matrix: Solid

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		08/08/22 08:17	08/08/22 17:31	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		08/08/22 08:17	08/08/22 17:31	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		08/08/22 08:17	08/08/22 17:31	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		08/08/22 08:17	08/08/22 17:31	1
o-Xylene	<0.000346	U *+	0.00201	0.000346	mg/Kg		08/08/22 08:17	08/08/22 17:31	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		08/08/22 08:17	08/08/22 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*08/08/22 08:17*	*08/08/22 17:31*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*08/08/22 08:17*	*08/08/22 17:31*	*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			08/09/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**42.4**	**J**	49.9	15.0	mg/Kg			08/05/22 08:59	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	49.9	15.0	mg/Kg		08/03/22 15:09	08/04/22 20:59	1
Diesel Range Organics (Over C10-C28)	**42.4**	**J F1**	49.9	15.0	mg/Kg		08/03/22 15:09	08/04/22 20:59	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		08/03/22 15:09	08/04/22 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*08/03/22 15:09*	*08/04/22 20:59*	*1*
o-Terphenyl	*113*		*70 - 130*	*08/03/22 15:09*	*08/04/22 20:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**255**		5.05	0.867	mg/Kg			08/09/22 20:21	1

Client Sample ID: BG-N2

Date Collected: 07/25/22 09:15
Date Received: 08/01/22 15:44
Sample Depth: 0'

Lab Sample ID: 890-2702-2
Matrix: Solid

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		08/08/22 08:17	08/08/22 17:52	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		08/08/22 08:17	08/08/22 17:52	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		08/08/22 08:17	08/08/22 17:52	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		08/08/22 08:17	08/08/22 17:52	1
o-Xylene	<0.000345	U *+	0.00200	0.000345	mg/Kg		08/08/22 08:17	08/08/22 17:52	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		08/08/22 08:17	08/08/22 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*08/08/22 08:17*	*08/08/22 17:52*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2702-1
SDG: 702678.002.02

Client Sample ID: BG-N2

Lab Sample ID: 890-2702-2
Matrix: Solid

Date Collected: 07/25/22 09:15
Date Received: 08/01/22 15:44
Sample Depth: 0'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/08/22 08:17*	*08/08/22 17:52*	*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			08/09/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**158**		49.9	15.0	mg/Kg			08/05/22 08:59	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		08/03/22 15:09	08/04/22 22:04	1
Diesel Range Organics (Over C10-C28)	**158**		49.9	15.0	mg/Kg		08/03/22 15:09	08/04/22 22:04	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		08/03/22 15:09	08/04/22 22:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*83*		*70 - 130*	*08/03/22 15:09*	*08/04/22 22:04*	*1*
o-Terphenyl	*92*		*70 - 130*	*08/03/22 15:09*	*08/04/22 22:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.0**		4.99	0.857	mg/Kg			08/09/22 20:29	1

Client Sample ID: BG-N3

Lab Sample ID: 890-2702-3
Matrix: Solid

Date Collected: 07/25/22 09:20
Date Received: 08/01/22 15:44
Sample Depth: 0'

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		08/08/22 08:17	08/08/22 18:12	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		08/08/22 08:17	08/08/22 18:12	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		08/08/22 08:17	08/08/22 18:12	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		08/08/22 08:17	08/08/22 18:12	1
o-Xylene	<0.000343	U *+	0.00200	0.000343	mg/Kg		08/08/22 08:17	08/08/22 18:12	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		08/08/22 08:17	08/08/22 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*08/08/22 08:17*	*08/08/22 18:12*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*08/08/22 08:17*	*08/08/22 18:12*	*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			08/09/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**256**		50.0	15.0	mg/Kg			08/05/22 08:59	1

Eurofins Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2702-1
SDG: 702678.002.02

Client Sample ID: BG-N3

Date Collected: 07/25/22 09:20
Date Received: 08/01/22 15:44
Sample Depth: 0'

Lab Sample ID: 890-2702-3

Matrix: Solid

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		08/03/22 15:09	08/04/22 22:25	1
Diesel Range Organics (Over C10-C28)	**256**		50.0	15.0	mg/Kg		08/03/22 15:09	08/04/22 22:25	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		08/03/22 15:09	08/04/22 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*08/03/22 15:09*	*08/04/22 22:25*	*1*
o-Terphenyl	*94*		*70 - 130*	*08/03/22 15:09*	*08/04/22 22:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**179**		5.02	0.862	mg/Kg			08/09/22 10:20	1

Surrogate Summary

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2702-1
SDG: 702678.002.02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-2702-1	S.SW-2	114	81
890-2702-2	BG-N2	99	84
890-2702-3	BG-N3	101	78
LCS 880-31680/1-A	Lab Control Sample	125	92
LCS 880-31801/1-A	Lab Control Sample	103	97
LCSD 880-31680/2-A	Lab Control Sample Dup	106	95
LCSD 880-31801/2-A	Lab Control Sample Dup	106	97
MB 880-31680/5-A	Method Blank	98	90
MB 880-31801/5-A	Method Blank	104	91

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-2702-1	S.SW-2	100	113
890-2702-1 MS	S.SW-2	67 S1-	76
890-2702-1 MSD	S.SW-2	79	88
890-2702-2	BG-N2	83	92
890-2702-3	BG-N3	82	94
LCS 880-31438/2-A	Lab Control Sample	124	131 S1+
LCSD 880-31438/3-A	Lab Control Sample Dup	121	129
MB 880-31438/1-A	Method Blank	88	104

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2702-1
SDG: 702678.002.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-31680/5-A
Matrix: Solid
Analysis Batch: 31685

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038U	m	0.00200	0.00038U	g 4/K4		08/08/22 08:17	08/08/22 12:03	1
Toluene	<0.0005U6	m	0.00200	0.0005U6	g 4/K4		08/08/22 08:17	08/08/22 12:03	1
Ethylbenzene	<0.000U6U	m	0.00200	0.000U6U	g 4/K4		08/08/22 08:17	08/08/22 12:03	1
g -Xylene & p-Xylene	<0.00101	m	0.00500	0.00101	g 4/K4		08/08/22 08:17	08/08/22 12:03	1
o-Xylene	<0.000355	m	0.00200	0.000355	g 4/K4		08/08/22 08:17	08/08/22 12:03	1
Xylene* +Total	<0.00101	m	0.00500	0.00101	g 4/K4		08/08/22 08:17	08/08/22 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*08/08/22 08:17*	*08/08/22 12:03*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*08/08/22 08:17*	*08/08/22 12:03*	*1*

Lab Sample ID: LCS 880-31680/1-A
Matrix: Solid
Analysis Batch: 31685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31680

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09608		g 4/K4		96	70 - 130		
Toluene			0.100	0.10U9		g 4/K4		106	70 - 130		
Ethylbenzene			0.100	0.118U		g 4/K4		118	70 - 130		
g -Xylene & p-Xylene			0.200	0.2U07		g 4/K4		12U	70 - 130		
o-Xylene			0.100	0.1380	s,	g 4/K4		138	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: LCSD 880-31680/2-A
Matrix: Solid
Analysis Batch: 31685

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31680

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1071		g 4/K4		107	70 - 130	11	3U
Toluene			0.100	0.1066		g 4/K4		107	70 - 130	1	3U
Ethylbenzene			0.100	0.1153		g 4/K4		115	70 - 130	5	3U
g -Xylene & p-Xylene			0.200	0.2280		g 4/K4		115	70 - 130	10	3U
o-Xylene			0.100	0.1255		g 4/K4		125	70 - 130	10	3U

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 880-31801/5-A
Matrix: Solid
Analysis Batch: 31685

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00038U	m	0.00200	0.00038U	g 4/K4		08/08/22 1U:52	08/08/22 22:U8	1
Toluene	<0.0005U6	m	0.00200	0.0005U6	g 4/K4		08/08/22 1U:52	08/08/22 22:U8	1

EuroRn* Carl*baO

QC Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2702-1
SDG: 702678.002.02

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

Lab Sample ID: MB 880-31801/5-A
Matrix: Solid
Analysis Batch: 31685

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.000U6U	m	0.00200	0.000U6U	g 4/K4		08/08/22 1U:52	08/08/22 22:U8	1
g -Xylene & p-Xylene	<0.00101	m	0.00500	0.00101	g 4/K4		08/08/22 1U:52	08/08/22 22:U8	1
o-Xylene	<0.000355	m	0.00200	0.000355	g 4/K4		08/08/22 1U:52	08/08/22 22:U8	1
Xylene* +Total	<0.00101	m	0.00500	0.00101	g 4/K4		08/08/22 1U:52	08/08/22 22:U8	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*08/08/22 15:42*	*08/08/22 22:58*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*08/08/22 15:42*	*08/08/22 22:58*	*1*

Lab Sample ID: LCS 880-31801/1-A
Matrix: Solid
Analysis Batch: 31685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1012		g 4/K4		101	70 - 130
Toluene	0.100	0.09868		g 4/K4		99	70 - 130
Ethylbenzene	0.100	0.1031		g 4/K4		103	70 - 130
g -Xylene & p-Xylene	0.200	0.2069		g 4/K4		103	70 - 130
o-Xylene	0.100	0.1139		g 4/K4		115	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-31801/2-A
Matrix: Solid
Analysis Batch: 31685

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31801

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09009		g 4/K4		90	70 - 130	12	3U
Toluene	0.100	0.08972		g 4/K4		90	70 - 130	10	3U
Ethylbenzene	0.100	0.09659		g 4/K4		96	70 - 130	7	3U
g -Xylene & p-Xylene	0.200	0.1956		g 4/K4		97	70 - 130	6	3U
o-Xylene	0.100	0.1077		g 4/K4		108	70 - 130	6	3U

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

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

Lab Sample ID: MB 880-31438/1-A
Matrix: Solid
Analysis Batch: 31455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ga*oline (an4e) r4anic* FG( ) v-C6-C10	18.39	J	U0.0	1U.0	g 4/K4		08/03/22 1U:09	08/05/22 19:U3	1

EuroRn* Carl*baO

QC Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2702-1
SDG: 702678.002.02

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

Lab Sample ID: MB 880-31438/1-A
Matrix: Solid
Analysis Batch: 31455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Die*el (an4e) r4anic* F) f er C10-C28v	<1U.0	m	U0.0	1U.0	g 4/K4		08/03/22 1U:09	08/05/22 19:U3	1
) ll (an4e) r4anic* F) f er C28-C36v	<1U.0	m	U0.0	1U.0	g 4/K4		08/03/22 1U:09	08/05/22 19:U3	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*08/03/22 15:09*	*08/04/22 19:53*	*1*
o-Terphenyl	*104*		*70 - 130*	*08/03/22 15:09*	*08/04/22 19:53*	*1*

Lab Sample ID: LCS 880-31438/2-A
Matrix: Solid
Analysis Batch: 31455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31438

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ga*oline (an4e) r4anic* FG( ) v-C6-C10			1000	90U.8		g 4/K4		91	70 - 130		
Die*el (an4e) r4anic* F) f er C10-C28v			1000	923.2		g 4/K4		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*124*		*70 - 130*
o-Terphenyl	*131*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-31438/3-A
Matrix: Solid
Analysis Batch: 31455

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31438

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ga*oline (an4e) r4anic* FG( ) v-C6-C10			1000	1071		g 4/K4		107	70 - 130	17	20
Die*el (an4e) r4anic* F) f er C10-C28v			1000	91U.2		g 4/K4		92	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*129*		*70 - 130*

Lab Sample ID: 890-2702-1 MS
Matrix: Solid
Analysis Batch: 31455

Client Sample ID: S.SW-2
Prep Type: Total/NA
Prep Batch: 31438

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ga*oline (an4e) r4anic* FG( ) v-C6-C10	<1U.0	m d2	999	7U7.0		g 4/K4		76	70 - 130		
Die*el (an4e) r4anic* F) f er C10-C28v	52.5	J d1	999	652.2	d1	g 4/K4		60	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*67*	*S1-*	*70 - 130*
o-Terphenyl	*76*		*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2702-1
SDG: 702678.002.02

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

Lab Sample ID: 890-2702-1 MSD
Matrix: Solid
Analysis Batch: 31455

Client Sample ID: S.SW-2
Prep Type: Total/NA
Prep Batch: 31438

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ga*oline (an4e) r4anic* FG( ) v-C6-C10	<1U.0	m d2	999	1090	d2	g 4/K4		109	70 - 130	36	20
Die*el (an4e) r4anic* F) f er C10-C28v	52.5	J d1	999	7UU.7		g 4/K4		71	70 - 130	16	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*79*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-31445/1-A
Matrix: Solid
Analysis Batch: 31664

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ChloriOe	<0.8U8	m	U.00	0.8U8	g 4/K4			08/09/22 09:U6	1

Lab Sample ID: LCS 880-31445/2-A
Matrix: Solid
Analysis Batch: 31664

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
ChloriOe	2U0	231.U		g 4/K4		93	90 - 110

Lab Sample ID: LCSD 880-31445/3-A
Matrix: Solid
Analysis Batch: 31664

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
ChloriOe	2U0	232.U		g 4/K4		93	90 - 110	0	20

Lab Sample ID: 890-2702-3 MS
Matrix: Solid
Analysis Batch: 31664

Client Sample ID: BG-N3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
ChloriOe	179		2U1	522.0		g 4/K4		97	90 - 110

Lab Sample ID: 890-2702-3 MSD
Matrix: Solid
Analysis Batch: 31664

Client Sample ID: BG-N3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
ChloriOe	179		2U1	523.9		g 4/K4		98	90 - 110	0	20

EuroR*n* Carl*baO

QC Sample Results

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2702-1
SDG: 702678.002.02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-31444/1-A
Matrix: Solid
Analysis Batch: 31665

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ChloriOe	<0.8U8	m	U.00	0.8U8	g 4/K4			08/09/22 15:1U	1

Lab Sample ID: LCS 880-31444/2-A
Matrix: Solid
Analysis Batch: 31665

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
ChloriOe			2U0	233.6		g 4/K4		93	90 - 110		

Lab Sample ID: LCSD 880-31444/3-A
Matrix: Solid
Analysis Batch: 31665

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
ChloriOe			2U0	235.5		g 4/K4		95	90 - 110	0	20

EuroRn* Carl*baO

QC Association Summary

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2702-1
SDG: 702678.002.02

GC VOA

Prep Batch: 31680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2702-1	S.SW-2	Total/NA	Solid	5035	
890-2702-2	BG-N2	Total/NA	Solid	5035	
890-2702-3	BG-N3	Total/NA	Solid	5035	
MB 880-31680/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31680/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31680/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 31685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2702-1	S.SW-2	Total/NA	Solid	8021B	31680
890-2702-2	BG-N2	Total/NA	Solid	8021B	31680
890-2702-3	BG-N3	Total/NA	Solid	8021B	31680
MB 880-31680/5-A	Method Blank	Total/NA	Solid	8021B	31680
MB 880-31801/5-A	Method Blank	Total/NA	Solid	8021B	31801
LCS 880-31680/1-A	Lab Control Sample	Total/NA	Solid	8021B	31680
LCS 880-31801/1-A	Lab Control Sample	Total/NA	Solid	8021B	31801
LCSD 880-31680/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31680
LCSD 880-31801/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31801

Prep Batch: 31801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-31801/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31801/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31801/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 31841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2702-1	S.SW-2	Total/NA	Solid	Total BTEX	
890-2702-2	BG-N2	Total/NA	Solid	Total BTEX	
890-2702-3	BG-N3	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 31438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2702-1	S.SW-2	Total/NA	Solid	8015NM Prep	
890-2702-2	BG-N2	Total/NA	Solid	8015NM Prep	
890-2702-3	BG-N3	Total/NA	Solid	8015NM Prep	
MB 880-31438/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-31438/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-31438/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2702-1 MS	S.SW-2	Total/NA	Solid	8015NM Prep	
890-2702-1 MSD	S.SW-2	Total/NA	Solid	8015NM Prep	

Analysis Batch: 31455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2702-1	S.SW-2	Total/NA	Solid	8015B NM	31438
890-2702-2	BG-N2	Total/NA	Solid	8015B NM	31438
890-2702-3	BG-N3	Total/NA	Solid	8015B NM	31438
MB 880-31438/1-A	Method Blank	Total/NA	Solid	8015B NM	31438
LCS 880-31438/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	31438

QC Association Summary

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2702-1
SDG: 702678.002.02

GC Semi VOA (Continued)

Analysis Batch: 31455 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-31438/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	31438
890-2702-1 MS	S.SW-2	Total/NA	Solid	8015B NM	31438
890-2702-1 MSD	S.SW-2	Total/NA	Solid	8015B NM	31438

Analysis Batch: 31550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2702-1	S.SW-2	Total/NA	Solid	8015 NM	
890-2702-2	BG-N2	Total/NA	Solid	8015 NM	
890-2702-3	BG-N3	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 31444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2702-1	S.SW-2	Soluble	Solid	DI Leach	
890-2702-2	BG-N2	Soluble	Solid	DI Leach	
MB 880-31444/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-31444/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-31444/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 31445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2702-3	BG-N3	Soluble	Solid	DI Leach	
MB 880-31445/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-31445/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-31445/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2702-3 MS	BG-N3	Soluble	Solid	DI Leach	
890-2702-3 MSD	BG-N3	Soluble	Solid	DI Leach	

Analysis Batch: 31664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2702-3	BG-N3	Soluble	Solid	300.0	31445
MB 880-31445/1-A	Method Blank	Soluble	Solid	300.0	31445
LCS 880-31445/2-A	Lab Control Sample	Soluble	Solid	300.0	31445
LCSD 880-31445/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	31445
890-2702-3 MS	BG-N3	Soluble	Solid	300.0	31445
890-2702-3 MSD	BG-N3	Soluble	Solid	300.0	31445

Analysis Batch: 31665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2702-1	S.SW-2	Soluble	Solid	300.0	31444
890-2702-2	BG-N2	Soluble	Solid	300.0	31444
MB 880-31444/1-A	Method Blank	Soluble	Solid	300.0	31444
LCS 880-31444/2-A	Lab Control Sample	Soluble	Solid	300.0	31444
LCSD 880-31444/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	31444

Lab Chronicle

Client: Talon/LPE
PjoceSt/mite: EK 29

Job ID: 890-2102-r
mDG: 10271860026 02

Client Sample ID: S.SW-2

Date Collected: 07/25/22 11:30
Date Received: 08/01/22 15:44

Lab Sample ID: 890-2702-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/MR	Pje.	p05p			4691 X	p NL	5r780	08/08/22 08:r 1	EL	EETmC 3 ID
Total/MR	RnalAgig	802r y		r	p NL	p NL	5r78p	08/08/22 r 1:5r	3 s	EETmC 3 IE
Total/MR	RnalAgig	Total y TEB		r			5r84r	08/09/22 r 0:54	m3	EETmC 3 IE
Total/MR	RnalAgig	80r p M3		r			5r pp0	08/0p/22 08:p9	RJ	EETmC 3 IE
Total/MR	Pje.	80r pM3 Pje.			r 0602 X	r 0 NL	5r458	08/05/22 r p:09	D3	EETmC 3 IE
Total/MR	RnalAgig	80r py M3		r			5r4pp	08/04/22 20:p9	RJ	EETmC 3 IE
moluble	LeaSh	DI LeaSh			469p X	p0 NL	5r444	08/05/22 r 1:00	m3 C	EETmC 3 IE
moluble	RnalAgig	5006 0		r			5r77p	08/09/22 20:2r	CH	EETmC 3 IE

Client Sample ID: BG-N2

Date Collected: 07/25/22 09:15
Date Received: 08/01/22 15:44

Lab Sample ID: 890-2702-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/MR	Pje.	p05p			4699 X	p NL	5r780	08/08/22 08:r 1	EL	EETmC 3 ID
Total/MR	RnalAgig	802r y		r	p NL	p NL	5r78p	08/08/22 r 1:p2	3 s	EETmC 3 IE
Total/MR	RnalAgig	Total y TEB		r			5r84r	08/09/22 r 0:54	m3	EETmC 3 IE
Total/MR	RnalAgig	80r p M3		r			5r pp0	08/0p/22 08:p9	RJ	EETmC 3 IE
Total/MR	Pje.	80r pM3 Pje.			r 0605 X	r 0 NL	5r458	08/05/22 r p:09	D3	EETmC 3 IE
Total/MR	RnalAgig	80r py M3		r			5r4pp	08/04/22 22:04	RJ	EETmC 3 IE
moluble	LeaSh	DI LeaSh			p60r X	p0 NL	5r444	08/05/22 r 1:00	m3 C	EETmC 3 IE
moluble	RnalAgig	5006 0		r			5r77p	08/09/22 20:29	CH	EETmC 3 IE

Client Sample ID: BG-N3

Date Collected: 07/25/22 09:20
Date Received: 08/01/22 15:44

Lab Sample ID: 890-2702-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/MR	Pje.	p05p			p60r X	p NL	5r780	08/08/22 08:r 1	EL	EETmC 3 ID
Total/MR	RnalAgig	802r y		r	p NL	p NL	5r78p	08/08/22 r 8:r 2	3 s	EETmC 3 IE
Total/MR	RnalAgig	Total y TEB		r			5r84r	08/09/22 r 0:54	m3	EETmC 3 IE
Total/MR	RnalAgig	80r p M3		r			5r pp0	08/0p/22 08:p9	RJ	EETmC 3 IE
Total/MR	Pje.	80r pM3 Pje.			r 060r X	r 0 NL	5r458	08/05/22 r p:09	D3	EETmC 3 IE
Total/MR	RnalAgig	80r py M3		r			5r4pp	08/04/22 22:2p	RJ	EETmC 3 IE
moluble	LeaSh	DI LeaSh			4698 X	p0 NL	5r44p	08/05/22 r 1:04	m3 C	EETmC 3 IE
moluble	RnalAgig	5006 0		r			5r774	08/09/22 r 0:20	CH	EETmC 3 IE

Laboratory References:

EETmC 3 ID f Eujodng 3 i=lan=, r 2r r W6Floji=a Rve, 3 i=lan=, TB 1910r , TEL (452)104-p440

Eujodng Cajlgba=

Accreditation/Certification Summary

Client: Talon/LPE
PjoceSt/mite: EK 29

Job ID: 890-2102-r
mDG: 10271860026 02

Laboratory: Eurofins Midland

. nleUUotsejh iUe notewdall anal, teUyoj tsiUlabojatoj, h eje Sofejewvnwej eaSs aSSjewitation/SejtiyiSation beloh 6

Authority	Program	Identification Number	Expiration Date
TeuaU	x ELNP	Tr 0A10AA00-22-2A	07-40-24

Tse yolloh in3 anal, teUaje inStvwewin tsiUjegojtdbvt tse labojatoj, iUnot Sejtiyjewb, tse 3ofejnin3 avtsojit, 6 TsiUliUt p a, inStvwe anal, teUyoj h siSs tse a3enS, woeUnot oyyej SejtiyiSation 6

Nnal, UUMetsow	Pjeg Metsow	Matjiu	Nnal, te
80r 5 x M		moliw	Total TPH
Total BTEX		moliw	Total BTEX

EvjoyinUCajlUbaw

Method Summary

I ient T a/ iot LPES
ErojncTLGeTn: Sm29

Job ID: 890-2102-C
GD7 : 102618.002.02

Method	Method Description	Protocol	Laboratory
802C4	Boi/ Tan VrO/ t ec I og pout ds (7 I)	GK 8W6	SSaGl XID
aoT i 4aSM	aoT i 4aSMI / icui/ Tebt	aNPGVE	SSaGl XID
80CA 5X	Dansni R/ t On VrO/ t ecs (DRV) (7 I)	GK 8W6	SSaGl XID
80CA4 5X	Dansni R/ t On VrO/ t ecs (DRV) (7 I)	GK 8W6	SSaGl XID
300.0	Nt ebt s, Iot I hrog / ToOr/ phy	XI NK K	SSaGl XID
A03A	I iosnd GysTng EurOn / t d ar/ p	GK 8W6	SSaGl XID
80CA5X Ernp	XecronxTr/ cTebt	GK 8W6	SSaGl XID
DI Pn/ ch	Dnebt ezndK / Thr Pn/ chet OErocndurn	NGaX	SSaGl XID

Protocol References:

NGaX = NGaX It Thrt / Tebt / i

XI NK K = "X nThods For I hng ec/ i Nt / iyses Vf K / Thr Nt d K / sThs", SEN-600LW19-020, X / rch C983 Nt d Gubsnqunt TRnvsebt s.

GK 8W6 = "ansTX nThods For Sv/ iu/ Tet OGoied K / sTh, Ehysec/ iLL hng ec/ i X nThods", ahed SdeTebt , 5 ovng bnr C986 Nt d ITs Upd/ Ths.

aNPGVE = ansTNg nrec/ P/ bor/ Torems, GT t d/ rd V pnr/ Tet OErocndurn

Laboratory References:

SSaGl XID = Surofet s Xedi/ t d, C2CCK . Fiored/ Nvn, Xedi/ t d, aM1910C, aSP(W32)10WAWW0

Surofet s I / risb/ d

Sample Summary

Client: Talon/LPE
Project/Site: EK 29

Job ID: 890-2702-1
SDG: 702678.002.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2702-1	S.SW-2	Solid	07/25/22 11:30	08/01/22 15:44	2'
890-2702-2	BG-N2	Solid	07/25/22 09:15	08/01/22 15:44	0'
890-2702-3	BG-N3	Solid	07/25/22 09:20	08/01/22 15:44	0'

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

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

Work Order Comments

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

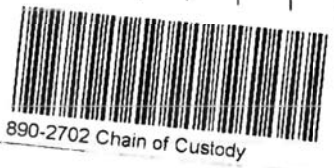
Project Name:	EK 29	Turn Around	
Project Number:	702678.002.02	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	M. Gomez	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TNM-007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	3.2	
Total Containers:		Corrected Temperature:	3.0	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX	TPH	Chlorides
S.SW-2	Soil	7/25/2022	11:30	2'	Comp	1		X	X	X
BG-N2	"	"	9:15	0'	Grab	"		"	"	"
BG-N3	"	"	9:20	0'	Grab	"		"	"	"

Parameters



Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Email Analyticals to:
dadkins@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_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Matthew Gomez	Amanda Stuff	8/1/22 15:42			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-2102-S
DG7 Number: 102618.002.02

Login Number: 2702
List Number: 1
Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Dample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Damples 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 Dampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Damples are received within Holding Time (excluding tests with immediate HTs)	True	
Dample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Dample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Dample bottles are completely filled.	True	
Dample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MD/MDGs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (S/4").	N/A	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-2102-S
DG7 Number: 102618.002.02

Login Number: 2702
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 08/03/22 10:15 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Dample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Damples 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 Dampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Damples are received within Holding Time (excluding tests with immediate HTs)	True	
Dample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Dample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Dample bottles are completely filled.	True	
Dample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MD/MDGs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (S/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kayla Taylor
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Generated 12/20/2022 9:18:24 AM

JOB DESCRIPTION

EK29 BS2 FED COM 1
SDG NUMBER Lea County NM

JOB NUMBER

890-3616-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

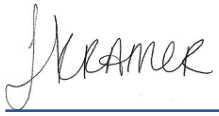
my EOL

Eurofins Carlsbad

Job Notes

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

Authorization



Generated
12/20/2022 9:18:24 AM

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

Client: Talon/LPE
Project/Site: EK29 BS2 FED COM 1

Laboratory Job ID: 890-3616-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: EK29 BS2 FED COM 1

Job ID: 890-3616-1
SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: EK29 BS2 FED COM 1

Job ID: 890-3616-1
SDG: Lea County NM

Job ID: 890-3616-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3616-1

Receipt
The samples were received on 12/9/2022 3:52 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 1.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BG-N4 (890-3616-1), BG-N4 (890-3616-2) and BG-N4 (890-3616-3).

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 880-41766 and analytical batch 880-41774 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

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

Client Sample Results

1 C en t TCea LP　　　　Job ID: 890-2737-3

LMri j nEln : Pc K9 BEK z PD 1 < N 3　　　　EDS : / i T 1 o Genu y N

Client Sample ID: BG-N4　　　　Lab Sample ID: 890-3616-1

Date Collected: 12/05/22 10:15　　　　**Matrix: Solid**

Date Received: 12/09/22 15:52

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bi e4i ei	. 0600028U	F	0600K00	0600028U	mgacg		3Ka85aKK 30:38	3Ka87aKK 32:39	3
t oG ei	. 06000U55	F	0600K00	06000U55	mgacg		3Ka85aKK 30:38	3Ka87aKK 32:39	3
PrhuGi e4i ei	. 0600057U	F	0600K00	0600057U	mgacg		3Ka85aKK 30:38	3Ka87aKK 32:39	3
m-XuCei & p-XuCei	. 0600303	F	0600299	0600303	mgacg		3Ka85aKK 30:38	3Ka87aKK 32:39	3
o-XuCei	. 060002U2	F	0600K00	060002U2	mgacg		3Ka85aKK 30:38	3Ka87aKK 32:39	3
XuCei s, t onTC	. 0600303	F	0600299	0600303	mgacg		3Ka85aKK 30:38	3Ka87aKK 32:39	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*959*		*70 - 910*	*9539/ 355 9029:*	*9539835 5 9129,*	*9*
9D4-i Cluorobenzene (Surr)	*, :*		*70 - 910*	*9539/ 355 9029:*	*9539835 5 9129,*	*9*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t onTCBt PX	. 0600303	F	0600299	0600303	mgacg			3Ka87aKK 3U:05	3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**193**		5060	3560	mgacg			3Ka85aKK 30:39	3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**30.2**	**J B**	5060	3560	mgacg		3Ka82aKK 35:K5	3Ka8UaKK 3RU9	3
Diesel Range Organics (Over C10-C28)	**163**		5060	3560	mgacg		3Ka82aKK 35:K5	3Ka8UaKK 3RU9	3
< ICOTegi < MgTelj s (<) i M1 K8-1 27v	. 3560	F	5060	3560	mgacg		3Ka82aKK 35:K5	3Ka8UaKK 3RU9	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
9-h cloroot aTne	*901*		*70 - 910*	*9539135 5 9/ 25/*	*9539435 5 9724,*	*9*
o-perycen6l	*900*		*70 - 910*	*9539135 5 9/ 25/*	*9539435 5 9724,*	*9*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**505**		5600	06295	mgacg			3KaK0aKK 0R33	3

Client Sample ID: BG-N4　　　　Lab Sample ID: 890-3616-2

Date Collected: 12/05/22 10:21　　　　**Matrix: Solid**

Date Received: 12/09/22 15:52

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bi e4i ei	. 06000285	F	0600K00	06000285	mgacg		3Ka85aKK 30:38	3Ka87aKK 32:29	3
t oG ei	. 06000U57	F	0600K00	06000U57	mgacg		3Ka85aKK 30:38	3Ka87aKK 32:29	3
PrhuGi e4i ei	. 06000575	F	0600K00	06000575	mgacg		3Ka85aKK 30:38	3Ka87aKK 32:29	3
m-XuCei & p-XuCei	. 0600303	F	0600U00	0600303	mgacg		3Ka85aKK 30:38	3Ka87aKK 32:29	3
o-XuCei	. 060002UU	F	0600K00	060002UU	mgacg		3Ka85aKK 30:38	3Ka87aKK 32:29	3
XuCei s, t onTC	. 0600303	F	0600U00	0600303	mgacg		3Ka85aKK 30:38	3Ka87aKK 32:29	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99,*		*70 - 910*	*9539/ 355 9029:*	*9539835 5 9121,*	*9*

PGMfles 1 TMSbTd

Client Sample Results

1 C en t TCea/ L P Job ID: 890-2737-3
L Mri j naElni : Pc K9 BEK z PD 1 < N 3 EDS : / i T 1 oGenu y N

Client Sample ID: BG-N4 Lab Sample ID: 890-3616-2

Date Collected: 12/05/22 10:21 **Matrix: Solid**
Date Received: 12/09/22 15:52
Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
9Đ4-i Φuorobenzene (Surr)	*909*		*70 - 910*	*953/ 355 902:*	*953983 55 912,*	*9*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t onTCBt PX	. 0600303	F	0600U00	0600303	mgacg			3Ka87aKK 3U:3R	3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**47.4**	**J**	U969	3560	mgacg			3Ka85aKK 30:39	3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**28.7**	**J B**	U969	3560	mgacg		3Ka82aKK 35:K5	3KaUaKK 38:33	3
Diesel Range Organics (Over C10-C28)	**18.7**	**J**	U969	3560	mgacg		3Ka82aKK 35:K5	3KaUaKK 38:33	3
< ICOTegi < MgTelj s (<) i M1 K8-1 27v	. 3560	F	U969	3560	mgacg		3Ka82aKK 35:K5	3KaUaKK 38:33	3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
9-h cloroot aTne	*998*		*70 - 910*	*953913 55 9/ 25/*	*953943 55 9: 299*	*9*
o-perycen6l	*995*		*70 - 910*	*953913 55 9/ 25/*	*953943 55 9: 299*	*9*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1920**		KU8	3697	mgacg			3KaK0aKK 0R38	5

Client Sample ID: BG-N4 Lab Sample ID: 890-3616-3

Date Collected: 12/05/22 10:25 **Matrix: Solid**
Date Received: 12/09/22 15:52
Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bi e4i ei	. 06000288	F	0600K0K	06000288	mgacg		3Ka85aKK 30:38	3Ka87aKK 3U:00	3
t oCi ei	. 06000U70	F	0600K0K	06000U70	mgacg		3Ka85aKK 30:38	3Ka87aKK 3U:00	3
PrhuCi e4i ei	. 060005R0	F	0600K0K	060005R0	mgacg		3Ka85aKK 30:38	3Ka87aKK 3U:00	3
m-XuCei & p-XuCei	. 060030K	F	0600U02	060030K	mgacg		3Ka85aKK 30:38	3Ka87aKK 3U:00	3
o-XuCei	. 060002UR	F	0600K0K	060002UR	mgacg		3Ka85aKK 30:38	3Ka87aKK 3U:00	3
XuCei s, t onTC	. 060030K	F	0600U02	060030K	mgacg		3Ka85aKK 30:38	3Ka87aKK 3U:00	3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*998*		*70 - 910*	*953/ 355 902:*	*953983 55 94200*	*9*
9Đ4-i Φuorobenzene (Surr)	*: 1*		*70 - 910*	*953/ 355 902:*	*953983 55 94200*	*9*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t onTCBt PX	. 060030K	F	0600U02	060030K	mgacg			3Ka87aKK 3U:3R	3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**54.4**		U969	3560	mgacg			3Ka85aKK 30:39	3

PGMofles 1 TMSbTd

Client Sample Results

1 CCen t TCea/ LP — Job ID: 890-2737-3

LMori j naElni : Pc K9 BEK z PD 1 < N 3 — EDS : / i T 1 oGenu y N

Client Sample ID: BG-N4 — Lab Sample ID: 890-3616-3

Date Collected: 12/05/22 10:25 — **Matrix: Solid**

Date Received: 12/09/22 15:52

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	35.5	J B	U969	3560	mgac g		3Ka82aKK 35:K5	3Ka8UaKK 38:22	3
Diesel Range Organics (Over C10-C28)	18.9	J	U969	3560	mgac g		3Ka82aKK 35:K5	3Ka8UaKK 38:22	3
< lCOTegi < MgTelj s (<) i M1 K8-1 27v	. 3560	F	U969	3560	mgac g		3Ka82aKK 35:K5	3Ka8UaKK 38:22	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
9-h cloroot aTne	*958*		*70 - 910*	*95391355 9/ 25/*	*95394355 9: 211*	*9*
o-perycen6l	*99:*		*70 - 910*	*95391355 9/ 25/*	*95394355 9: 211*	*9*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1350		U697	0629K	mgac g			3KaK0aKK 0RKU	3

PGMofles 1 TMGbTd

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

Surrogate Summary

Client: Talon/LPE
Project/Site: EK29 BS2 FED COM 1

Job ID: 890-3616-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-3616-1	BG-N4	121	98
890-3616-2	BG-N4	119	101
890-3616-3	BG-N4	116	83
LCS 880-41899/1-A	Lab Control Sample	99	94
LCSD 880-41899/2-A	Lab Control Sample Dup	106	89
MB 880-41899/5-A	Method Blank	102	87

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-3616-1	BG-N4	103	100
890-3616-2	BG-N4	116	112
890-3616-3	BG-N4	126	118
LCS 880-41766/2-A	Lab Control Sample	110	113
LCSD 880-41766/3-A	Lab Control Sample Dup	99	108
MB 880-41766/1-A	Method Blank	119	109

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

1 ℂ en t TCea/ LP
LMori j naEln : Pc K9 BEK z PD 1 < N 3

Job ID: 890-2737-3
EDS: / i T 1 oCenu y N

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-31866/5-A
Matrix: Solid
Analysis Batch: 31664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bi e. i ei	60U00028F	m	0U00K00	0U00028F	g 5ac 5		3Ka8FaKK 30:38	3Ka87aKK 30:F2	3
t oCi ei	60U0004F7	m	0U00K00	0U0004F7	g 5ac 5		3Ka8FaKK 30:38	3Ka87aKK 30:F2	3
PrhuCi e. i ei	60U000F7F	m	0U00K00	0U000F7F	g 5ac 5		3Ka8FaKK 30:38	3Ka87aKK 30:F2	3
g -XuCei & p-XuCei	60U00303	m	0U00400	0U00303	g 5ac 5		3Ka8FaKK 30:38	3Ka87aKK 30:F2	3
o-XuCei	60U000244	m	0U00K00	0U000244	g 5ac 5		3Ka8FaKK 30:38	3Ka87aKK 30:F2	3
XuCei s, t onTC	60U00303	m	0U00400	0U00303	g 5ac 5		3Ka8FaKK 30:38	3Ka87aKK 30:F2	3

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*957*		*05 - 915*	*973: 377 95298*	*973/ 377 952 1*	*9*
9,4-Difluorobenzene (Surr)	*80*		*05 - 915*	*973: 377 95298*	*973/ 377 952 1*	*9*

Lab Sample ID: LCS 880-31866/1-A
Matrix: Solid
Analysis Batch: 31664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bi e. i ei	0U300	0U30FR		g 5ac 5		307	R0 - 320
t oCi ei	0U300	0U300K		g 5ac 5		300	R0 - 320
PrhuCi e. i ei	0U300	0U09743		g 5ac 5		97	R0 - 320
g -XuCei & p-XuCei	0UK00	0UK087		g 5ac 5		304	R0 - 320
o-XuCei	0U300	0U3022		g 5ac 5		302	R0 - 320

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*CC*		*05 - 915*
9,4-Difluorobenzene (Surr)	*C4*		*05 - 915*

Lab Sample ID: LCSD 880-31866/2-A
Matrix: Solid
Analysis Batch: 31664

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31866

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bi e. i ei	0U300	0U3030		g 5ac 5		303	R0 - 320	F	2F
t oCi ei	0U300	0U09RFR		g 5ac 5		98	R0 - 320	2	2F
PrhuCi e. i ei	0U300	0U09RK3		g 5ac 5		9R	R0 - 320	3	2F
g -XuCei & p-XuCei	0UK00	0UK3K4		g 5ac 5		307	R0 - 320	K	2F
o-XuCei	0U300	0U3070		g 5ac 5		307	R0 - 320	2	2F

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95/*		*05 - 915*
9,4-Difluorobenzene (Surr)	*8C*		*05 - 915*

PGMoOes 1 TMSbT(

QC Sample Results

1 0C en t TGea/ LP — Job ID: 890-2737-3
L Mori j naElni : Pc K9 BEK z PD 1 < N 3 — EDS : / i T 1 o Geru y N

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

Lab Sample ID: MB 880-31977/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31993 — **Prep Batch: 31977**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
S Tso Gei) Te5i < M5Telj s vS) < f-1 7-1 30	K0U23	J	F0U0	3FU0	g 5ac 5		3Ka82aKK 3F:KF	3Ka84aKK 08:37	3
Dli si C) Te5i < M5Telj s v< di M 1 30-1 K8f	63FU0	m	F0U0	3FU0	g 5ac 5		3Ka82aKK 3F:KF	3Ka84aKK 08:37	3
< IC) Te5i < M5Telj s v< di M1 K8-1 27f	63FU0	m	F0U0	3FU0	g 5ac 5		3Ka82aKK 3F:KF	3Ka84aKK 08:37	3

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
9-h cloroot aTne	*99C*		*05 - 915*	*973913 77 9: 27:*	*973943 77 5829/*	*9*
o-perycen6l	*95C*		*05 - 915*	*973913 77 9: 27:*	*973943 77 5829/*	*9*

Lab Sample ID: LCS 880-31977/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31993 — **Prep Batch: 31977**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
S Tso Gei) Te5i < M5Telj s vS) < f-1 7-1 30	3000	8R0U8		g 5ac 5		8R	R0 - 320
Dli si C) Te5i < M5Telj s v< di M 1 30-1 K8f	3000	R87U9		g 5ac 5		R9	R0 - 320

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
9-h cloroot aTne	*995*		*05 - 915*
o-perycen6l	*991*		*05 - 915*

Lab Sample ID: LCSD 880-31977/4-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31993 — **Prep Batch: 31977**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
S Tso Gei) Te5i < M5Telj s vS) < f-1 7-1 30	3000	87RUF		g 5ac 5		8R	R0 - 320	0	K0
Dli si C) Te5i < M5Telj s v< di M 1 30-1 K8f	3000	R44UF		g 5ac 5		R4	R0 - 320	7	K0

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
9-h cloroot aTne	*CC*		*05 - 915*
o-perycen6l	*958*		*05 - 915*

Method: 400.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-31953/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32173

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 hCiM(i	60U29F	m	FU00	0U29F	g 5ac 5			3KaK0aKK 0F:43	3

PGMo0es 1 TM6bT(

QC Sample Results

1 0C en t TCoea/ LP
LMori j naEln : Pc K9 BEK z PD 1 < N 3

Job ID: 890-2737-3
EDS : / i T 1 oGenu y N

Method: 400.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-31953/2-A
Matrix: Solid
Analysis Batch: 32173

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1 hCOM(i	KF0	KR4U4		g 5ac 5		330	90 - 330

Lab Sample ID: LCSD 880-31953/4-A
Matrix: Solid
Analysis Batch: 32173

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
1 hCOM(i	KF0	KR7U0		g 5ac 5		330	90 - 330	3	K0

QC Association Summary

Client: Talon/LPE
Project/Site: EK29 BS2 FED COM 1

Job ID: 890-3616-1
SDG: Lea County NM

GC VOA

Prep Batch: 26355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3616-1	BG-N4	Total/NA	Solid	5035	
890-3616-2	BG-N4	Total/NA	Solid	5035	
890-3616-3	BG-N4	Total/NA	Solid	5035	
MB 880-41899/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41899/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41899/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 2655d

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3616-1	BG-N4	Total/NA	Solid	8021B	41899
890-3616-2	BG-N4	Total/NA	Solid	8021B	41899
890-3616-3	BG-N4	Total/NA	Solid	8021B	41899
MB 880-41899/5-A	Method Blank	Total/NA	Solid	8021B	41899
LCS 880-41899/1-A	Lab Control Sample	Total/NA	Solid	8021B	41899
LCSD 880-41899/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41899

Analysis Batch: 2742d

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3616-1	BG-N4	Total/NA	Solid	Total BTEX	
890-3616-2	BG-N4	Total/NA	Solid	Total BTEX	
890-3616-3	BG-N4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 26911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3616-1	BG-N4	Total/NA	Solid	8015NM Prep	
890-3616-2	BG-N4	Total/NA	Solid	8015NM Prep	
890-3616-3	BG-N4	Total/NA	Solid	8015NM Prep	
MB 880-41766/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41766/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41766/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 26992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3616-1	BG-N4	Total/NA	Solid	8015B NM	41766
890-3616-2	BG-N4	Total/NA	Solid	8015B NM	41766
890-3616-3	BG-N4	Total/NA	Solid	8015B NM	41766
MB 880-41766/1-A	Method Blank	Total/NA	Solid	8015B NM	41766
LCS 880-41766/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41766
LCSD 880-41766/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41766

Analysis Batch: 26546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3616-1	BG-N4	Total/NA	Solid	8015 NM	
890-3616-2	BG-N4	Total/NA	Solid	8015 NM	
890-3616-3	BG-N4	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Talon/LPE
Project/Site: EK29 BS2 FED COM 1

Job ID: 890-3616-1
SDG: Lea County NM

HP8C/IC

8each Batch: 26902

8aL Sample ll	Client Sample ll	Prep Dype	T atriM	T ethox	Prep Batch
890-3616-1	BG-N4	Soluble	Solid	DI Leach	
890-3616-2	BG-N4	Soluble	Solid	DI Leach	
890-3616-3	BG-N4	Soluble	Solid	DI Leach	
MB 880-41754/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41754/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41754/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 27612

8aL Sample ll	Client Sample ll	Prep Dype	T atriM	T ethox	Prep Batch
890-3616-1	BG-N4	Soluble	Solid	300.0	41754
890-3616-2	BG-N4	Soluble	Solid	300.0	41754
890-3616-3	BG-N4	Soluble	Solid	300.0	41754
MB 880-41754/1-A	Method Blank	Soluble	Solid	300.0	41754
LCS 880-41754/2-A	Lab Control Sample	Soluble	Solid	300.0	41754
LCSD 880-41754/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41754

Lab Chronicle

Client: Talon/LPE
Project/Site: EK29 BS2 FED COM 1

Job ID: 890-3616-1
SDG: Lea County NM

Client Sample ID: BG-N4

Date Collected: 12/05/22 10:15
Date Received: 12/09/22 15:52

Lab Sample ID: 890-3616-1

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			5.01 g	5 mL	41899	12/15/22 10:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41993	12/16/22 13:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42043	12/16/22 14:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			41901	12/15/22 10:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41766	12/13/22 15:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41774	12/14/22 17:49	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41754	12/13/22 13:03	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42164	12/20/22 07:11	CH	EET MID

Client Sample ID: BG-N4

Date Collected: 12/05/22 10:21
Date Received: 12/09/22 15:52

Lab Sample ID: 890-3616-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	41899	12/15/22 10:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41993	12/16/22 13:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42043	12/16/22 14:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			41901	12/15/22 10:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41766	12/13/22 15:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41774	12/14/22 18:11	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41754	12/13/22 13:03	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	42164	12/20/22 07:18	CH	EET MID

Client Sample ID: BG-N4

Date Collected: 12/05/22 10:25
Date Received: 12/09/22 15:52

Lab Sample ID: 890-3616-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	41899	12/15/22 10:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41993	12/16/22 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42043	12/16/22 14:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			41901	12/15/22 10:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41766	12/13/22 15:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41774	12/14/22 18:33	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41754	12/13/22 13:03	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42164	12/20/22 07:24	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: EK29 BS2 FED COM 1

Job ID: 890-3616-1
SDG: Lea County NM

Laboratory: Eurofins Midland

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

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

Method Summary

l ient T: a/ iot LPES
EcomKTLGeTn: SW49 BG4 VSD l Oj C

Job ID: 890-21C1-C
GD7 : Pn/ l o6t T: r j

Method	Method Description	Protocol	Laboratory
804CB	uoi/ Ten Ocd/ t eK l os (o6t) XN7 l M	Gg 8p1	SSa j ID
aoT/ i BaS5	aoT/ i BaS5 l / iK6i/ Teot	aAP GOE	SSa j ID
80CRr j	DenXni 3 / t dn Ocd/ t eKXND3 OMN7 l M	Gg 8p1	SSa j ID
80CRB r j	DenXni 3 / t dn Ocd/ t eKXND3 OMN7 l M	Gg 8p1	SSa j ID
200,0	At eot Xhlot l ycos / Todd (y.	j l Ag g	SSa j ID
R02R	l ioXn) G. XTns E6cdn / t) ad (	Gg 8p1	SSa j ID
80CRr j Ecn(	j eKconxTd/ KTeot	Gg 8p1	SSa j ID
DI Pn/ Ky	Dneot ezn) g / TncPn/ Kyed EcoKn) 6cn	AGaj	SSa j ID

Protocol References:

AGaj = AGaj It Tnd / Teot / i

j l Ag g = "j nTyo) X Vocl yns eK/ i At / i. XeX OFg / TncAt) g / XTnX"hSEA-100Lp-f 9-040hj / dKy C982 At) G6bXnq6nt T3 nveXeot X,

Gg 8p1 = "anXTj nTyo) X VocSv/ i6/ Ted Goie) g / XTnhEy. XeK/ iLl yns eK/ i j nTyo) X"hayec) S) eTeot hr ovns bncC981 At) lTX U( ) / TnX,

aAP GOE = anXTAs noeK/ P/ bod TocenXhGT/ t) / c) O(nd Ted EcoKn) 6cn

Laboratory References:

SSa j ID = S6coReXj e) i/ t) hC4CC g , Vioce) / Avnhj e) i/ t) ha5 f 9f 0ChaSP Np24M0p-Rpp0

S6coReXl / dXb/)

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

Sample Summary

Client: Talon/LPE
Project/Site: EK29 BS2 FED COM 1

Job ID: 890-3616-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3616-1	BG-N4	Solid	12/05/22 10:15	12/09/22 15:52	0 - 1
890-3616-2	BG-N4	Solid	12/05/22 10:21	12/09/22 15:52	2
890-3616-3	BG-N4	Solid	12/05/22 10:25	12/09/22 15:52	3

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Chain of Custody

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

Work Order No: _____

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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:	ktaylor@talonlpe.com, mgomez@talonlpe.com

Work Order Comments

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

Project Name:	EK29 BS2 Fed Com 1	Turn Around	☑ Routine ☐ Rush
Project Number:	702678.002.02	Due Date:	
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	M. Gomez		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TM007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.2
Total Containers:		Corrected Temperature:	1.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

890-3616 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Cl	TPH	BTEX	Sample Comments
BG-N4	Soil	12/5/2022	10:15	0-1'	Grab	1		X	X	X	
BG-N4	Soil	12/5/2022	10:21	2'	Grab	1		X	X	X	
BG-N4	Soil	12/5/2022	10:25	3'R	Grab	1		X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Matthew Gomez		12.9.22 1553			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3616-1
SDG Number: Lea County NM

Login Number: 3616
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3616-1
SDG Number: Lea County NM

Login Number: 3616
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 12/13/22 11:24 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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kayla Taylor
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Generated 12/20/2022 9:18:24 AM

JOB DESCRIPTION

EK29 BS2 FED COM 1
SDG NUMBER Lea County NM

JOB NUMBER

890-3617-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

Eurofins Carlsbad

Job Notes

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

Authorization

Generated
12/20/2022 9:18:24 AM

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

Client: Talon/LPE
Project/Site: EK29 BS2 FED COM 1

Laboratory Job ID: 890-3617-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: EK29 BS2 FED COM 1

Job ID: 890-3617-1
SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi 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.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Talon/LPE
PjoceSt/Kite: E2B9 FKB OED CMG 1

Job ID: 890-361r-1
KDu : Lea CoyntNh G

Job ID: 890-3617-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3617-1

Receipt
Tse map wle v amjeSeide5 on 1B/9/B0BB 3:. 1 PGU, nlemmotsejv ime note5 belov gtse map wle ajjide5 in qoo5 Son5itiongan5gv seje jef yije5gwjowejlNwjemejde5 an5 on iSeU Tse tep wejatyje o° tse Soolej at jeSeiwt tip e v am1U0zC

Receipt Exceptions
Tse °ollov inq map wle v amjeSeide5 an5 analNke5 °jop an ynwjemejde5 byl4 moil caj: K-13 (890-361r-1)U

GC VOA
ho a55itional analNtiSal oj f yalitNimmyemv eje note5gotsej tsan tsome 5emSjibe5 abode oj in tse De°initionm/u lommajNwaqeU

GC Semi VOA
Getso5 801. GMD_h G: Tse p etso5 blan4 °oj wjewajation batSs 880-71r 66 an5 analNtiSal batSs 880-71r r 7 Sontaine5 u amoline Ranqe MjqaniSm(u RM)-C6-C10 abode tse p etso5 5eteStion lip itU Tsimtajqet analNte SonSentjation v amlemmtsan tse jewojtinq lip it (RL); tseje°ojegje-extjaStion an5/oj je-analNmimo° map wlemv amnot wej°ojp e5U

ho a55itional analNtiSal oj f yalitNimmyemv eje note5gotsej tsan tsome 5emSjibe5 abode oj in tse De°initionm/u lommajNwaqeU

HPLC/IC
ho a55itional analNtiSal oj f yalitNimmyemv eje note5gotsej tsan tsome 5emSjibe5 abode oj in tse De°initionm/u lommajNwaqeU

Client Sample Results

Client: Talon/LPE
Project/Site: EKB9 z SB <ED C. M 3

Job ID: 890-2731-3
SDG: Lea County NM

Client Sample ID: S-13

Date Collected: 12/05/22 10:45
Date Received: 12/09/22 15:51
Sample Depth: 0 - 1

Lab Sample ID: 890-3617-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
z enhene	60U00282	F	0U0399	0U00282	mg/Kg		3B/35/BB 30:38	3B/37/BB 34:B3	3
Toluene	60U00454	F	0U0399	0U00454	mg/Kg		3B/35/BB 30:38	3B/37/BB 34:B3	3
EtXylbenhene	60U00572	F	0U0399	0U00572	mg/Kg		3B/35/BB 30:38	3B/37/BB 34:B3	3
m-&ylene p s-&ylene	60U0303	F	0U0298	0U0303	mg/Kg		3B/35/BB 30:38	3B/37/BB 34:B3	3
o-&ylene	60U00242	F	0U0399	0U00242	mg/Kg		3B/35/BB 30:38	3B/37/BB 34:B3	3
&ylene, RTotal	60U0303	F	0U0298	0U0303	mg/Kg		3B/35/BB 30:38	3B/37/BB 34:B3	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*995*		*75 - 905*	*913/ 311 952:*	*913/83/11 942:19*	*9*
9,4-Difluorobenzene (Surr)	*: 5*		*75 - 905*	*913/ 311 952:*	*913/83/11 942:19*	*9*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total z TE&	60U0303	F	0U0298	0U0303	mg/Kg			3B/37/BB 34:54	3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**330**		49U9	350U	mg/Kg			3B/35/BB 30:39	3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ga, oline Oange . rganic, (GO.)-C7-C30	635U0	F	49U9	350U	mg/Kg		3B/32/BB 35:B5	3B/34/BB 38:54	3
Diesel Range Organics (Over C10-C28)	**330**		49U9	350U	mg/Kg		3B/32/BB 35:B5	3B/34/BB 38:54	3
. Il Oange . rganic, (. ver CB8-C27)	635U0	F	49U9	350U	mg/Kg		3B/32/BB 35:B5	3B/34/BB 38:54	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
9-Chlorooctane	*950*		*75 - 905*	*913/903/11 9/ 2/ 2/*	*913/943/11 9: 2' 4*	*9*
o-Terphenyl	*6:*		*75 - 905*	*913/903/11 9/ 2/ 2/*	*913/943/11 9: 2' 4*	*9*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**282**		5U03	0U297	mg/Kg			3B/39/BB 35:55	3

Eurofin, Carl, bad

Surrogate Summary

I ient T a/ iot LPES
EjoonKTLGeh: S2B9 FGB OSD I 4 r 1

Job ID: 890-361C-1
GDu : Pn/ I oyt TNMr

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-361C-1	G-13	110	80										
Pl G 880-A1899L1-m	P/ b l ot Tjoi G/ p 7in	99	9A										
Pl GD 880-A1899LB-m	P/ b l ot Tjoi G/ p 7in Dy7	106	89										
r F 880-A1899l5-m	r nThod Fi/ t k	10B	8C										

Surrogate Legend

FOF = A-Fjop ofiyojobnt znt n (Gyjj)
DOFZ = 1,A-Dfiyojobnt znt n (Gyjj)

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-361C-1	G-13	103	98										
Pl G 880-A1C66LB-m	P/ b l ot Tjoi G/ p 7in	110	113										
Pl GD 880-A1C66L3-m	P/ b l ot Tjoi G/ p 7in Dy7	99	108										
r F 880-A1C66L1-m	r nThod Fi/ t k	119	109										

Surrogate Legend

1I 4 = 1-I hiojooK7/ t n
4 aEH = o-anj7hnt N

Syjofets I / jisb/ d

QC Sample Results

Client: Talon/LPE
Project/Site: EKB9 z SB <ED C. M 3

Job ID: 890-2731-3
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-31866/5-A
Matrix: Solid
Analysis Batch: 31664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
z en6ene	U0F00028m	g	0F00B00	0F00028m	5 4/K4		3B/3m/BB 30:38	3B/37/BB 30:m2	3
Toluene	U0F000hm7	g	0F00B00	0F000hm7	5 4/K4		3B/3m/BB 30:38	3B/37/BB 30:m2	3
EtXylben6ene	U0F000m7m	g	0F00B00	0F000m7m	5 4/K4		3B/3m/BB 30:38	3B/37/BB 30:m2	3
5 -&ylene p s-&ylene	U0F00303	g	0F00h00	0F00303	5 4/K4		3B/3m/BB 30:38	3B/37/BB 30:m2	3
o-&ylene	U0F002hh	g	0F00B00	0F002hh	5 4/K4		3B/3m/BB 30:38	3B/37/BB 30:m2	3
&ylene, RTotal	U0F00303	g	0F00h00	0F00303	5 4/K4		3B/3m/BB 30:38	3B/37/BB 30:m2	3

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*957*		*05 - 915*	*973/ 3: 377 952 98*	*973/ 377 952 1*	*9*
9,4-Difluorobenzene (Surr)	*80*		*05 - 915*	*973/ 3: 377 952 98*	*973/ 377 952 1*	*9*

Lab Sample ID: LCS 880-31866/1-A
Matrix: Solid
Analysis Batch: 31664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31866

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
z en6ene			0F300	0F30m1		5 4/K4		307	10 - 320		
Toluene			0F300	0F300B		5 4/K4		300	10 - 320		
EtXylben6ene			0F300	0F097h3		5 4/K4		97	10 - 320		
5 -&ylene p s-&ylene			0FB00	0FB087		5 4/K4		30h	10 - 320		
o-&ylene			0F300	0F3022		5 4/K4		302	10 - 320		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*CC*		*05 - 915*
9,4-Difluorobenzene (Surr)	*C4*		*05 - 915*

Lab Sample ID: LCSD 880-31866/2-A
Matrix: Solid
Analysis Batch: 31664

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31866

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
z en6ene			0F300	0F3030		5 4/K4		303	10 - 320	m	2m
Toluene			0F300	0F091m1		5 4/K4		98	10 - 320	2	2m
EtXylben6ene			0F300	0F091B3		5 4/K4		91	10 - 320	3	2m
5 -&ylene p s-&ylene			0FB00	0FB3Bh		5 4/K4		307	10 - 320	B	2m
o-&ylene			0F300	0F3070		5 4/K4		307	10 - 320	2	2m

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95/*		*05 - 915*
9,4-Difluorobenzene (Surr)	*8C*		*05 - 915*

Euro0n, Carl, ba(

QC Sample Results

Client: Talon/LPE
Project/Site: EKB9 z SB <ED C. M 3

Job ID: 890-2731-3
SDG: Lea County NM

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

Lab Sample ID: MB 880-31977/1-A
Matrix: Solid
Analysis Batch: 31993

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31977

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ga, oline) an4e . r4anic, vG) . f-C7-C30	B0f23	J	m0f0	3mf0	5 4/K4		3B/32/BB 3mBm	3B/3h/BB 08:37	3
Die, el) an4e . r4anic, v. der C30-CB8f	U3mf0	g	m0f0	3mf0	5 4/K4		3B/32/BB 3mBm	3B/3h/BB 08:37	3
. Il) an4e . r4anic, v. der CB8-C27f	U3mf0	g	m0f0	3mf0	5 4/K4		3B/32/BB 3mBm	3B/3h/BB 08:37	3

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
9-h cloroot aTne	*99C*		*05 - 915*	*973913?7 9: 2?:*	*973943?7 582?/*	*9*
o-perycen6l	*95C*		*05 - 915*	*973913?7 9: 2?:*	*973943?7 582?/*	*9*

Lab Sample ID: LCS 880-31977/2-A
Matrix: Solid
Analysis Batch: 31993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31977

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ga, oline) an4e . r4anic, vG) . f-C7-C30			3000	810f8		5 4/K4		81	10 - 320		
Die, el) an4e . r4anic, v. der C30-CB8f			3000	187f9		5 4/K4		19	10 - 320		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
9-h cloroot aTne	*995*		*05 - 915*
o-perycen6l	*991*		*05 - 915*

Lab Sample ID: LCSD 880-31977/4-A
Matrix: Solid
Analysis Batch: 31993

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31977

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ga, oline) an4e . r4anic, vG) . f-C7-C30			3000	871Fm		5 4/K4		81	10 - 320	0	B0
Die, el) an4e . r4anic, v. der C30-CB8f			3000	1hhFm		5 4/K4		1h	10 - 320	7	B0

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
9-h cloroot aTne	*CC*		*05 - 915*
o-perycen6l	*958*		*05 - 915*

Method: 400.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-31936/1-A
Matrix: Solid
Analysis Batch: 32046

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
CXlori(e	U0f29m	g	mf00	0f29m	5 4/K4			3B/39/BB 3mhB	3

Euro0n, Carl, ba(

QC Sample Results

Client: Talon/LPE
Project/Site: EKB9 z SB <ED C. M 3

Job ID: 890-2731-3
SDG: Lea County NM

Method: 400.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-31936/2-A
Matrix: Solid
Analysis Batch: 32046

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
CXlori(e			Bm0	Bn8F3		5 4/K4		302	90 - 330		

Lab Sample ID: LCSD 880-31936/4-A
Matrix: Solid
Analysis Batch: 32046

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
CXlori(e			Bm0	Bn8F9		5 4/K4		30h	90 - 330	0	B0

Lab Sample ID: 860-4719-1 MS
Matrix: Solid
Analysis Batch: 32046

Client Sample ID: S-14
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
CXlori(e	B8B		Bn8	mmhFB		5 4/K4		309	90 - 330		

Lab Sample ID: 860-4719-1 MSD
Matrix: Solid
Analysis Batch: 32046

Client Sample ID: S-14
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
CXlori(e	B8B		Bn8	mmfB		5 4/K4		309	90 - 330	0	B0

Euro0n, Carl, ba(

QC Association Summary

I ient T a/ iot LPES
EjoonKTLGeh: S2B9 FGB OSD I d r 1

Job ID: 890-361C-1
GDu : Pn/ I oyt TNMr

GC VOA

Prep Batch: 41899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-361C-1	G-13	aoT iLMA	Goi6	4034	
r F 880-h1899L4-A	r nTko5 Fi/ t m	aoT iLMA	Goi6	4034	
PI G 880-h1899L1-A	P/ b I ot Tjoi G/ p Xin	aoT iLMA	Goi6	4034	
PI GD 880-h1899LB-A	P/ b I ot Tjoi G/ p Xin DyX	aoT iLMA	Goi6	4034	

Analysis Batch: 41993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-361C-1	G-13	aoT iLMA	Goi6	80B1F	h1899
r F 880-h1899L4-A	r nTko5 Fi/ t m	aoT iLMA	Goi6	80B1F	h1899
PI G 880-h1899L1-A	P/ b I ot Tjoi G/ p Xin	aoT iLMA	Goi6	80B1F	h1899
PI GD 880-h1899LB-A	P/ b I ot Tjoi G/ p Xin DyX	aoT iLMA	Goi6	80B1F	h1899

Analysis Batch: 42056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-361C-1	G-13	aoT iLMA	Goi6	aoT i FaS7	

GC Semi VOA

Prep Batch: 41766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-361C-1	G-13	aoT iLMA	Goi6	8014Mr EjnX	
r F 880-h1C66L1-A	r nTko5 Fi/ t m	aoT iLMA	Goi6	8014Mr EjnX	
PI G 880-h1C66LB-A	P/ b I ot Tjoi G/ p Xin	aoT iLMA	Goi6	8014Mr EjnX	
PI GD 880-h1C66L3-A	P/ b I ot Tjoi G/ p Xin DyX	aoT iLMA	Goi6	8014Mr EjnX	

Analysis Batch: 41774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-361C-1	G-13	aoT iLMA	Goi6	8014F Mr	h1C66
r F 880-h1C66L1-A	r nTko5 Fi/ t m	aoT iLMA	Goi6	8014F Mr	h1C66
PI G 880-h1C66LB-A	P/ b I ot Tjoi G/ p Xin	aoT iLMA	Goi6	8014F Mr	h1C66
PI GD 880-h1C66L3-A	P/ b I ot Tjoi G/ p Xin DyX	aoT iLMA	Goi6	8014F Mr	h1C66

Analysis Batch: 41902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-361C-1	G-13	aoT iLMA	Goi6	8014 Mr	

HPLC/IC

Leach Batch: 41749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-361C-1	G-13	Goiybin	Goi6	DI Pn/ Kk	
r F 880-h1Ch9L1-A	r nTko5 Fi/ t m	Goiybin	Goi6	DI Pn/ Kk	
PI G 880-h1Ch9LB-A	P/ b I ot Tjoi G/ p Xin	Goiybin	Goi6	DI Pn/ Kk	
PI GD 880-h1Ch9L3-A	P/ b I ot Tjoi G/ p Xin DyX	Goiybin	Goi6	DI Pn/ Kk	
890-361C-1 r G	G-13	Goiybin	Goi6	DI Pn/ Kk	
890-361C-1 r GD	G-13	Goiybin	Goi6	DI Pn/ Kk	

Analysis Batch: 42039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-361C-1	G-13	Goiybin	Goi6	300f0	h1Ch9
r F 880-h1Ch9L1-A	r nTko5 Fi/ t m	Goiybin	Goi6	300f0	h1Ch9
PI G 880-h1Ch9LB-A	P/ b I ot Tjoi G/ p Xin	Goiybin	Goi6	300f0	h1Ch9

Syjose . I / ji. b/ 5

QC Association Summary

HPLC/IC (Continued)

Analysis Batch: 42039 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
PI GD 880-h1Ch9L3-A	P/ b I ot Tjoi G/ p Xin DyX	Goiybin	Goie5	300f0	h1Ch9
890-361C-1 r G	G-13	Goiybin	Goie5	300f0	h1Ch9
890-361C-1 r GD	G-13	Goiybin	Goie5	300f0	h1Ch9

Lab Chronicle

Client: Talon/LPE
PjoceSt/Kite: E2B9 FKB CED CMG 1

Job ID: 890-361r-1
KDu : Lea CoyntNp G

Client Sample ID: S-1A

Date Collectex: 1d/05/dd 10:R5
Date v ecei4ex: 1d/09/dd 15:51

Lab Sample ID: 890-A217-1

3 atriM Solix

Prep Type	Batch Type	Batch 3 ethox	v z n	Dil Nactor	Initial s moz nt	Ninal s moz nt	Batch 6 z mber	Preparex or s nalyFex	s nalyut	Lab
Total/p.	Pje5	4034			4g0B m	4 s L	A1899	1B/14/BB 10:18	EL	EET GID
Total/p.	. nalNRIR	80B1F		1	4 s L	4 s L	A1993	1B/16/BB 1A:B1	Gp X	EET GID
Total/p.	. nalNRIR	Total FTE7		1			AB046	1B/16/BB 1A:4A	KG	EET GID
Total/p.	. nalNRIR	8014 p G		1			A190B	1B/14/BB 10:19	KG	EET GID
Total/p.	Pje5	8014p G Pje5			10g03 m	10 s L	A1r 66	1B/13/BB 14:B4	DG	EET GID
Total/p.	. nalNRIR	8014F p G		1	1 yL	1 yL	A1r r A	1B/1A/BB 18:4A	KG	EET GID
Kolyble	LeaSh	DI LeaSh			Ag99 m	40 s L	A1r A9	1B/13/BB 1B:AB	2K	EET GID
Kolyble	. nalNRIR	300g0		1	40 s L	40 s L	AB039	1B/19/BB 14:44	CH	EET GID

Laboratory v eferenceu:

EET GID = EyjofinRGidland, 1B11 WgClojida . ve, Gidland, T7 r 9r 01, TEL (A3B)r 0A-4AA0

EyjofinRCajIRbad

Accreditation/Certification Summary

Client: Talon/LPE
PjoceSt/Kite: E2B9 FKB CED CMG 1

Job ID: 890-361r-1
KDu : Lea CoyntNUG

Laboratory: Eurofins Midland

s nlehh otwejd ihe note, f all analNteh voj twih labojatojNd eje So. eje, yn, ej eaSwaSSje, itation/SejtiviSation belod x

Authority	Program	Identification Number	Expiration Date
TeAah	UEL4P	T107r 07700-BB-B7	06-30-B3

Twe vollod ing analNteh aje inSty, e, in twih jepojtf byt twe labojatojNih not Sejtivie, bNtwe go. ejning aytwojitNx Twih liht maNinSty, e analNteh voj d wiSw twe agenSN, oeh not owej SejtiviSation x

4nalNnih Getwo,	Pjep Getwo,	GatjiA	4nalNte
8015 UG		Koli,	Total TPH
Total FTEX		Koli,	Total FTEX

Eyjovinh Cajlhba,

Method Summary

i eet Ta / LeoTFESG Job ID: 890-21Cl -C
SmoK WaF7 nt : G4 B9 V7 B OGD i g c C 7 D6 : Et L i o. Ta j c

Method	Method Description	Protocol	Laboratory
80BCV	doeLaet g nsLTnWi o( ) o. TXN M6 i A	7 p 8u1	GG/ c ID
/ oaLeV/ GR	/ oaLeV/ GR i LeW eLaoT	/ 5 E 7 g S	GG/ c ID
80C3 j c	Dnt Nt e, LTst g nsLTnWN MD, g AM6 i A	7 p 8u1	GG/ c ID
80C3V j c	Dnt Nt e, LTst g nsLTnWN MD, g AM6 i A	7 p 8u1	GG/ c ID
200h0	5 TnoTNyloT i xno(Laosnt.) xr	c i 5p p	GG/ c ID
3023	i eoNt X 7 r Nat (S. nst LTX / nt.)	7 p 8u1	GG/ c ID
80C3j c Snt)	c nWot zanLWaoT	7 p 8u1	GG/ c ID
DI Et LWt	Dt noTn=t X p Lat mEt LWxnTs SnoWt X. nt	57/ c	GG/ c ID

Protocol References:

57/ c " 57/ c ITat nTLaoTLe

c i 5p p " Fc t axoXN Oom i xt (nWLe5 TLe Nh Ng f p Lat m5 TX p LNat NFy GS5-100Ru-I 9-0B0yc LnWt C982 5 TX 7. bNt q. t Ta, t vnNoTNh

7 p 8u1 " F/ t Nac t axoXN OomGvLe LaTs 7 oeX p LNat ySxr NhWLeP xt (nWLec t axoXNFy/ xnX GXnaoTyj ovt (bt mC981 5 TX laNU) XLat Nh

/ 5 E 7 g S " / t Na5 (t nWL ELbomLaont Ny7 aLTXLnX g) t nLaTs SnoWt X. nt

Laboratory References:

GG/ c ID " G. nofnTNc nXeLTXy CBCC p hOeomXL 5 vt yc nXeLTXy/ R l 9l 0Cy/ GE Mt2BA 0u-3uu0

G. nofnTNi LnteNbLX

Sample Summary

Client: Talon/LPE
Project/Site: EK29 BS2 FED COM 1

Job ID: 890-3617-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3617-1	S-13	Solid	12/05/22 10:45	12/09/22 15:51	0 - 1

eurofins Environment Testing Xenco

Chain of Custody

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

Work Order No: ____________

www.xenco.com Page 1 of 1

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:	ktaylor@talonlpe.com, mgomez@talonlpe.com

Work Order Comments

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

Project Name:	EK29 BS2 Fed Com 1	Turn Around	
Project Number:	702678.002.02	☑ Routine	☐ Rush
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	M. Gomez	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TWM007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.2	
Total Containers:		Corrected Temperature:	1.0	

Pres. Code / Parameters

ANALYSIS REQUEST

890-3617 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Cl	TPH	BTEX	Sample Comments
S-13	Soil	12/5/2022	10:45	0-1'	Grab	1	X	X	X	

Preservative Codes

None: NO	DI Water: H_2O
Cool: Cool	MeOH: Me
HCL: HC	HNO_3: HN
H_2SO_4: H_2	NaOH: Na
H_3PO_4: HP	
$NaHSO_4$: NABIS	
$Na_2S_2O_3$: $NaSO_3$	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SAPC	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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 Matthew Gomez	[signature]	12-9-22 1551	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3617-1
SDG Number: Lea County NM

Login Number: 3617
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3617-1
SDG Number: Lea County NM

Login Number: 3617
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 12/13/22 11:24 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	

CARDINAL Laboratories

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

March 13, 2023

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PRIMA EK 29 BS2 FED COM 001H

Enclosed are the results of analyses for samples received by the laboratory on 03/09/23 8:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/09/2023	Sampling Date:	03/08/2023
Reported:	03/13/2023	Sampling Type:	Soil
Project Name:	PRIMA EK 29 BS2 FED COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: BG - N5 0' (H231069-01)

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	03/10/2023	ND	2.01	100	2.00	5.06	
Toluene*	<0.050	0.050	03/10/2023	ND	1.94	96.9	2.00	5.36	
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.10	105	2.00	3.82	
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.50	108	6.00	3.19	
Total BTEX	<0.300	0.300	03/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	03/10/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/10/2023	ND	166	82.9	200	1.32	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	184	92.0	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane *96.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *115 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/09/2023	Sampling Date:	03/08/2023
Reported:	03/13/2023	Sampling Type:	Soil
Project Name:	PRIMA EK 29 BS2 FED COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: BG - N6 0' (H231069-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2023	ND	2.01	100	2.00	5.06	
Toluene*	<0.050	0.050	03/10/2023	ND	1.94	96.9	2.00	5.36	
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.10	105	2.00	3.82	
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.50	108	6.00	3.19	
Total BTEX	<0.300	0.300	03/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/10/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/10/2023	ND	166	82.9	200	1.32	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	184	92.0	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane *89.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/09/2023	Sampling Date:	03/08/2023
Reported:	03/13/2023	Sampling Type:	Soil
Project Name:	PRIMA EK 29 BS2 FED COM 001H	Sampling Condition:	Cool & Intact
Project Number:	702678.002.02	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: BG - N7 0' (H231069-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2023	ND	2.01	100	2.00	5.06	
Toluene*	<0.050	0.050	03/10/2023	ND	1.94	96.9	2.00	5.36	
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.10	105	2.00	3.82	
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.50	108	6.00	3.19	
Total BTEX	<0.300	0.300	03/10/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	03/10/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2023	ND	175	87.5	200	0.281	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	169	84.6	200	0.450	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane *93.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Talon LPE
Project Manager:	David Adkins
Address:	408 W. Texas Ave
City:	Artesia State: NM Zip:
Phone #:	432-210-5443 Fax #:
Project #:	702678.003.02 Project Owner:
Project Name:	Prima EK29 BS2 Fed Com 001H
Project Location:	Lea Co. NM
Sampler Name:	K. Taylor

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX	TPH	Chlorides
H231069																	
1	BG-N5 0'	G	2			1					1		3-8-23	1600	X	X	X
2	BG-N6 0'	G	2			1					1		3-8-23	1700	X	X	X
3	BG-N7 0'	G	2			1					1		3-8-23	1500	X	X	X

Relinquished By: Kayla Taylor	Date: 3-9-23 Time: 0835	Received By: Tamara Oldaker	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address:
Relinquished By:	Date: Time:	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 0.3 Corrected Temp. °C 0.3	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) TO

Turnaround Time: Standard ☑ Rush ☐ Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

Thermometer ID #113
Correction Factor -0.6°C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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

Operator: Prima Exploration, Inc. 250 Fillmore Street, Ste. 500 Denver, CO 80206	OGRID: 329344
	Action Number: 251714
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.	11/29/2023