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Closure Report

Kemnitz South AFL State #1
Lea County, New Mexico
API # 30-025-31636
Incident No. nAPP2224439131

Prepared For:

EOG Resources Inc.
104 S. 4th Street
Artesia, NM 88210

Prepared By:

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

September 26, 2022



Mike Bratcher
NMOCD
811 S. 1st Street
Artesia, NM 88210

Subject: **Closure Report**
Kemnitz South AFL State #1
Lea County, New Mexico
API # 30-025-31636
Incident No. nAPP2224439131

Dear Mr. Bratcher,

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

Site Information

The Kemnitz South AFL State #1 is located approximately forty-seven (47) miles east of Artesia, New Mexico. The legal location for this release is Unit Letter O, Section 31, Township 16 South and Range 34 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.87302 and -103.59812. A Site Location Map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is comprised of Kimbrough gravelly loam with, 0 to 3 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local geology is in the Ogallala formation, lower Pliocene to Middle Miocene in age, and comprised of very gravelly loam, sandstone and gypsum. Drainage courses in this area are typically well drained.

Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater that could be referenced by POD is 120 feet below ground surface (bgs). See [Appendix II](#) for the referenced groundwater depth. Further research of the Bureau of Land Management Karst data indicates that this site is not situated within a potential Karst area.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs, Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Approximate Depth to Groundwater**120 Feet/bgs**

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

Because the release occurred on a location where the well is plugged, location is to be reclaimed, the clean-up criteria for this site per NMAC 19.15.29.13.D is as follows:

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

Incident Description

During routine site clean-up activities and decommissioning of the facility, EOG personnel noted historical staining in the containment area, as can be seen in photo documentation ([Appendix III](#)). EOG contracted Talon LPE to assess the area of impact. Due to the size of the area and depth of impact around the facility, this was deemed to be a reportable incident, therefore a C-141 spill notification was submitted to the NMOCD. The NMOCD assigned this incident number **nAPP2224439131**. The site map is presented in [Appendix I](#).

Site Assessment

On August 09, 2022, Talon mobilized personnel to the site to conduct an initial site assessment. The impacted area was mapped utilizing a Trimble Geo XH 6000, photographed and sampled utilizing a hand auger. All soil samples were properly packaged, preserved, and transported to Cardinal laboratories via chain of custody for analysis of Total Chlorides (SM4500CI-B), TPH (EPA Method 8015M), and BTEX (EPA Method 8021B). Sample locations are shown on the attached Figure 2 ([Appendix I](#)) and the results of our sampling event are presented on the following data table.

Table I
08/16/2022 Soil Sample Laboratory Results

Sample ID	Sample Date	Depth ft.(BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S1	8/9/2022	0-1'	1.64	ND	83.8	1810	510	2403.8	48
S2	8/9/2022	0-1'	ND	ND	ND	458	556	1014	144
S3	8/9/2022	0-1'	8.78	ND	1370	17300	4550	23220	64
S4	8/9/2022	0-1'	ND	ND	ND	ND	ND	ND	32
S5	8/9/2022	0-1'	ND	ND	ND	ND	ND	ND	48
S6	8/9/2022	0-1'	ND	ND	ND	ND	ND	ND	32
S7	8/9/2022	0-1'	ND	ND	ND	ND	ND	ND	80

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

On June 13, 2022, based on the laboratory results from the initial site assessment and upon client authorization, Talon personnel and equipment were mobilized to the site to commence excavating of the impacted area. The areas between S1, S2, and S3 were excavated to depths of 1.5' feet. Field titration data was used to guide the depth and sidewalls. Solid refusal was encountered at this depth due to a caprock shelf. Sidewall samples were retrieved in order to confirm horizontal extent of the impact. All soil samples were properly collected and preserved for transport to Cardinal Laboratories for analysis. The confirmation results from the laboratory are tabulated below. Sample locations are illustrated on Figure 3 ([Appendix I](#)).

Table II
Confirmation Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
TT 1-2	8/31/2022	1.5'	ND	ND	ND	ND	ND	-	272
S-1A	10/6/2022	2.5 R	ND	ND	29.8	92.3	18.1	140	170
S-1A	10/31/2022	2.5R	ND	ND	30.7	60.1	ND	90.8	160
S-2A	10/6/2022	2.5R	0.00271	ND	29.5	92.6	17	139	199
S-3A	10/6/2022	2.5R	0.00118	ND	19.5	95	19.1	134	163
S-8A	10/6/2022	2.5R	0.00109	0.000452	23	77.9	ND	101	160
S-9A	10/6/2022	2.5R	0.00158	ND	22.4	103	21.2	147	170
S-10A	10/6/2022	2.5R	0.00125	ND	25.9	96	19.9	142	178
S-11A	10/6/2022	2.5R	0.0013	ND	16.4	54.6	ND	71	241
S-12A	10/6/2022	2.5R	0.00241	ND	15	66.2	ND	81.2	132
S-13A	10/6/2022	2.5R	0.00241	ND	15	78.7	15.1	109	141
S-14A	10/6/2022	2.5R	ND	ND	21	54.8	ND	75.8	119
SW-1	9/12/2022	2'	ND	ND	ND	ND	ND	ND	64
SW-2	9/12/2022	2'	ND	ND	ND	ND	ND	ND	64
SW-3	9/12/2022	2'	ND	ND	ND	ND	ND	ND	48
SW-4	9/12/2022	2'	ND	ND	ND	ND	ND	ND	64

TT = Test Trench ND = Analyte Not Detected SW = Sidewall Sample

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

On October 17, 2022, Talon personnel and equipment had completed the excavation and soil remediation activities at the Kernitz AFL State #001 to the extent practicable. A rock shelf was encountered at 2.5' feet bgs., therefore MicroBlaze® was applied to the areas that remained above the NMAC Table 1 guidelines for TPH.

On October 24, 2022, Talon personnel revisited the site in order to composite sample the bottom of the excavation post the application of MicroBlaze®. Composite samples were taken in the areas of S-1A, S-2A, S-3A, S-8A, S-9A, S-10A, and S-13A respectively. All soil samples were properly obtained, preserved, and transported to Cardinal Laboratories for analysis of Total Chlorides, BTEX, and TPH.

On October 31, 2022, Talon personnel revisited the site to collect another sample on the area of S-1A by chipping at the bedrock to collect enough material for a composite sample. The confirmation results from the laboratory are referenced below.

Table III
Confirmation Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
TT 1-2	8/31/2022	1.5'	ND	ND	ND	ND	ND	-	272
S-1A	10/6/2022	2.5 R	ND	ND	29.8	92.3	18.1	140	170
	10/24/2022	2.5'	ND	ND	ND	421	179	600	32
	10/27/2022	2.50	0.0145	0.0129	44	319	80	443	189
	10/31/2022	2.50	ND	ND	30.7	60.1	ND	90.8	160
S-2A	10/6/2022	2.5R	0.00271	ND	29.5	92.6	17	139	199
	10/24/2022	2.5'	ND	ND	ND	ND	ND	-	32
S-3A	10/6/2022	2.5R	0.00118	ND	19.5	95	19.1	134	163
	10/24/2022	2.5'	ND	ND	ND	61	70.7	131.7	32
	10/27/2022	3'	0.00114	0.00114	18.7	33.8	ND	52.5	51.4
S-8A	10/6/2022	2.5R	0.00109	0.000452	23	77.9	ND	101	160
	10/24/2022	2.50	ND	ND	ND	ND	ND	-	112
S-9A	10/6/2022	2.5R	0.00158	ND	22.4	103	21.2	147	170
	10/24/2022	2.50	ND	ND	ND	19.2	23.7	42.9	48
S-10A	10/6/2022	2.5R	0.00125	ND	25.9	96	19.9	142	178
	10/24/2022	2.50	ND	ND	ND	18.7	11.5	30.2	368
S-11A	10/6/2022	2.5R	0.0013	ND	16.4	54.6	ND	71	241
	10/24/2022	2.5'	ND	ND	ND	33.1	59.5	92.6	32
S-12A	10/6/2022	2.5R	0.00241	ND	15	66.2	ND	81.2	132
S-13A	10/6/2022	2.5R	0.00241	ND	15	78.7	15.1	109	141
S-14A	10/6/2022	2.5R	ND	ND	21	54.8	ND	75.8	119
SW-1	9/12/2022	2'	ND	ND	ND	ND	ND	ND	64
SW-2	9/12/2022	2'	ND	ND	ND	ND	ND	ND	64
SW-3	9/12/2022	2'	ND	ND	ND	ND	ND	ND	48
SW-4	9/12/2022	2'	ND	ND	ND	ND	ND	ND	64

TT = Test Trench ND = Analyte Not Detected SW = Sidewall Sample

Remedial Actions

- The sample position areas of S-4 through S-7 indicated no impact from production activity.
- The impacted areas under the former containment was excavated from depths of 2 feet to 2.5 feet where a rock shelf and shale material were encountered causing refusal. Confirmation samples were transported to the lab from sample positions S-1A through S-3 A and S-8A through S-14A.
- The impacted area was excavated to 2' to 2.5' feet bgs, and confirmation sampled.
- Background and sidewall samples were obtained in order to confirm horizontal remediation had been accomplished in accordance with NMOCD clean-up criteria.
- All contaminated soil was transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.
- The excavated area was backfilled with clean caliche, capped with 2" inches of topsoil, and reseeded in accordance with NMSLO guidelines.

Closure

Based on this site characterization, remedial actions completed, and analytical results, we request that no further actions be required and that closure with regard to this incident be granted.

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

Respectfully submitted,

Talon/LPE

Rebecca S Pons

Rebecca S. Pons

Senior Environmental Project Manager

Chad Hensley

Chad Hensley

Environmental Project Manager

Attachments:

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


































Appendix II

Groundwater Data, & Soil Survey



(In feet)

Released to Imaging: 1/4/2023 2:35:09 PM

L 14337 POD1		L	LE	3	3	4	35	16S	33E	627983	3636226		3670	237	156	81
L 14139 POD1		L	LE	3	1	2	18	17S	34E	631180	3634389		3693	230	138	92
L 03571		L	LE		2	3	20	16S	34E	632314	3641716*		3816	150	110	40
L 03527 S3		L	LE	2	3	3	35	16S	33E	627305	3638104*		3844	240	155	85
L 03722		L	LE	3	3	3	21	16S	34E	633424	3641235*		3887	150	100	50
L 03712		L	LE		2	2	26	16S	33E	628377	3640841*		3911	170	135	35
L 03751		L	LE		2	2	26	16S	33E	628377	3640841*		3911	175		
L 06160		L	LE	3	3	3	34	16S	34E	635079	3638046*		3929	170	120	50
L 03789		L	LE				26	16S	33E	627788	3640216*		3981	223	145	78
L 01880 S	R	L	LE	4	3	3	12	17S	33E	628955	3634708*		4024	259	115	144
L 01880 POD7		L	LE	4	3	3	12	17S	33E	629029	3634644		4039	280		
L 06222		L	LE		2	3	26	16S	33E	627582	3640022*		4060	205	154	51
L 11044		L	LE		4	2	18	17S	34E	631629	3634049*		4061	150		
L 03544		L	LE				20	16S	34E	632521	3641909*		4065	152	100	52
L 09978		L	LE	1	3	1	18	17S	34E	630476	3634015		4121	198	160	38
L 04768		L	LE		2	2	17	17S	34E	633233	3634478*		4162	190	90	100
L 14591 POD1		L	LE	1	1	1	13	13S	33E	629046	3634474		4175	300	180	120
L 04333		L	LE		1	1	13	17S	33E	628862	3634407*		4328	217	165	52
L 03377		L	LE		3	2	20	16S	34E	632710	3642125*		4333	200	125	75
L 03576		L	LE		2	4	34	16S	33E	626799	3638401*		4362	212	160	52
L 07696		L	LE	3	3	2	17	17S	34E	632735	3633968*		4408	200	160	40
L 06072		L	LE		3	4	23	16S	33E	627969	3641236*		4479	163	80	83
L 06157		L	LE	4	3	4	34	16S	34E	635725	3638159		4576	165	105	60
L 05515		L	LE		3	1	27	16S	34E	635146	3640560*		4702	117	97	20
L 14593 POD1		L	LE	4	1	4	13	17S	33E	629797	3633487		4789	300	120	180
L 01880 POD10		L	LE	1	4	3	13	17S	33E	629797	3633482		4794	280		
L 01880 S2		L	LE	2	1	3	13	17S	33E	628972	3633702*		4891	235	151	84
L 06894		L	LE	1	4	1	10	17S	34E	635524	3635825*		4922	175	103	72
L 03144		L	LE		4	4	13	16S	33E	629961	3642880*		4943	202	130	72
L 10742		L	LE		4	3	17	16S	34E	632296	3642922*		4974	210	105	105
L 04226		L	LE	4	4	4	18	17S	34E	631741	3633143*		4974	166		
L 05297		L	LE		1	27	16S	34E	635347	3640761*		4979	145	94	51	

Average Depth to Water:	128 feet
Minimum Depth:	60 feet
Maximum Depth:	180 feet

Record Count: 65

UTMNAD83 Radius Search (in meters):

Easting (X): 631149.59

Northing (Y): 3638081.9

Radius: 5000

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

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

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WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
L 06876		4	4	2	06	17S	34E	631676	3637166*
<hr/>									
Driller License: 46		Driller Company: ABBOTT BROTHERS COMPANY							
Driller Name:									
Drill Start Date: 11/22/1971		Drill Finish Date: 11/23/1971		Plug Date:					
Log File Date: 11/30/1971		PCW Rev Date:		Source: Shallow					
Pump Type:		Pipe Discharge Size:		Estimated Yield:					
Casing Size: 7.00		Depth Well: 191 feet		Depth Water: 120 feet					
<hr/>									
Water Bearing Stratifications:		Top	Bottom	Description					
		130	191	Sandstone/Gravel/Conglomerate					
<hr/>									
Casing Perforations:		Top	Bottom						
		120	190						
<hr/>									

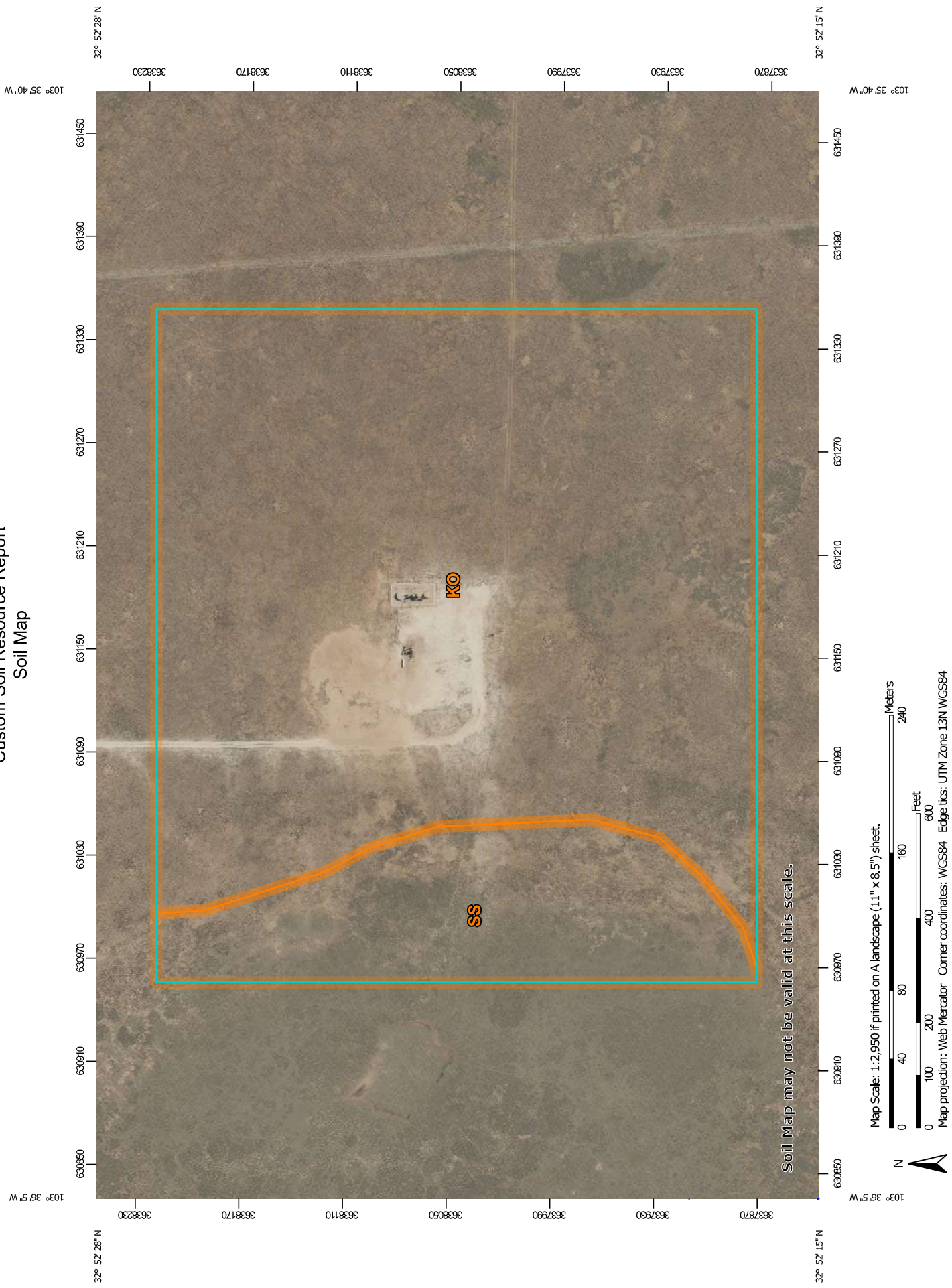
*UTM location was derived from PLSS - see Help

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

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POINT OF DIVERSION SUMMARY

Custom Soil Resource Report
Soil Map



Custom Soil Resource Report

Lea County, New Mexico

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

Map Unit Setting

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

Map Unit Composition

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

Description of Kimbrough, Dry

Setting

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

Typical profile

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

Properties and qualities

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

Interpretive groups

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

Custom Soil Resource Report

Minor Components**Eunice***Percent of map unit: 10 percent**Landform: Plains**Down-slope shape: Linear**Across-slope shape: Convex**Ecological site: R077DY049TX - Very Shallow 12-17" PZ**Hydric soil rating: No***Spraberry***Percent of map unit: 6 percent**Landform: Playa rims, plains**Down-slope shape: Convex, linear**Across-slope shape: Linear**Ecological site: R077DY049TX - Very Shallow 12-17" PZ**Hydric soil rating: No***Kenhill***Percent of map unit: 4 percent**Landform: Plains**Down-slope shape: Linear**Across-slope shape: Linear**Ecological site: R077DY038TX - Clay Loam 12-17" PZ**Hydric soil rating: No***SS—Stegall and slaughter soils****Map Unit Setting***National map unit symbol: dmr4**Elevation: 3,600 to 4,400 feet**Mean annual precipitation: 12 to 16 inches**Mean annual air temperature: 58 to 60 degrees F**Frost-free period: 190 to 205 days**Farmland classification: Farmland of statewide importance***Map Unit Composition***Stegall and similar soils: 40 percent**Slaughter and similar soils: 35 percent**Minor components: 25 percent**Estimates are based on observations, descriptions, and transects of the mapunit.***Description of Stegall****Setting***Landform: Plains**Landform position (three-dimensional): Talf**Down-slope shape: Linear**Across-slope shape: Linear**Parent material: Alluvium derived from sedimentary rock*

Custom Soil Resource Report

Typical profile

A - 0 to 9 inches: loam
Bt - 9 to 28 inches: clay loam
Bkm - 28 to 38 inches: cemented material
BCK - 38 to 60 inches: variable

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high
(0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 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: Low (about 4.8 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Description of Slaughter**Setting**

Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous alluvium and/or calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 2 inches: loam
Bt - 2 to 15 inches: clay
Bkm - 15 to 25 inches: cemented material
BCK - 25 to 60 inches: variable

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches; More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high
(0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent



Appendix I

Site Maps



Image Source: Google Earth

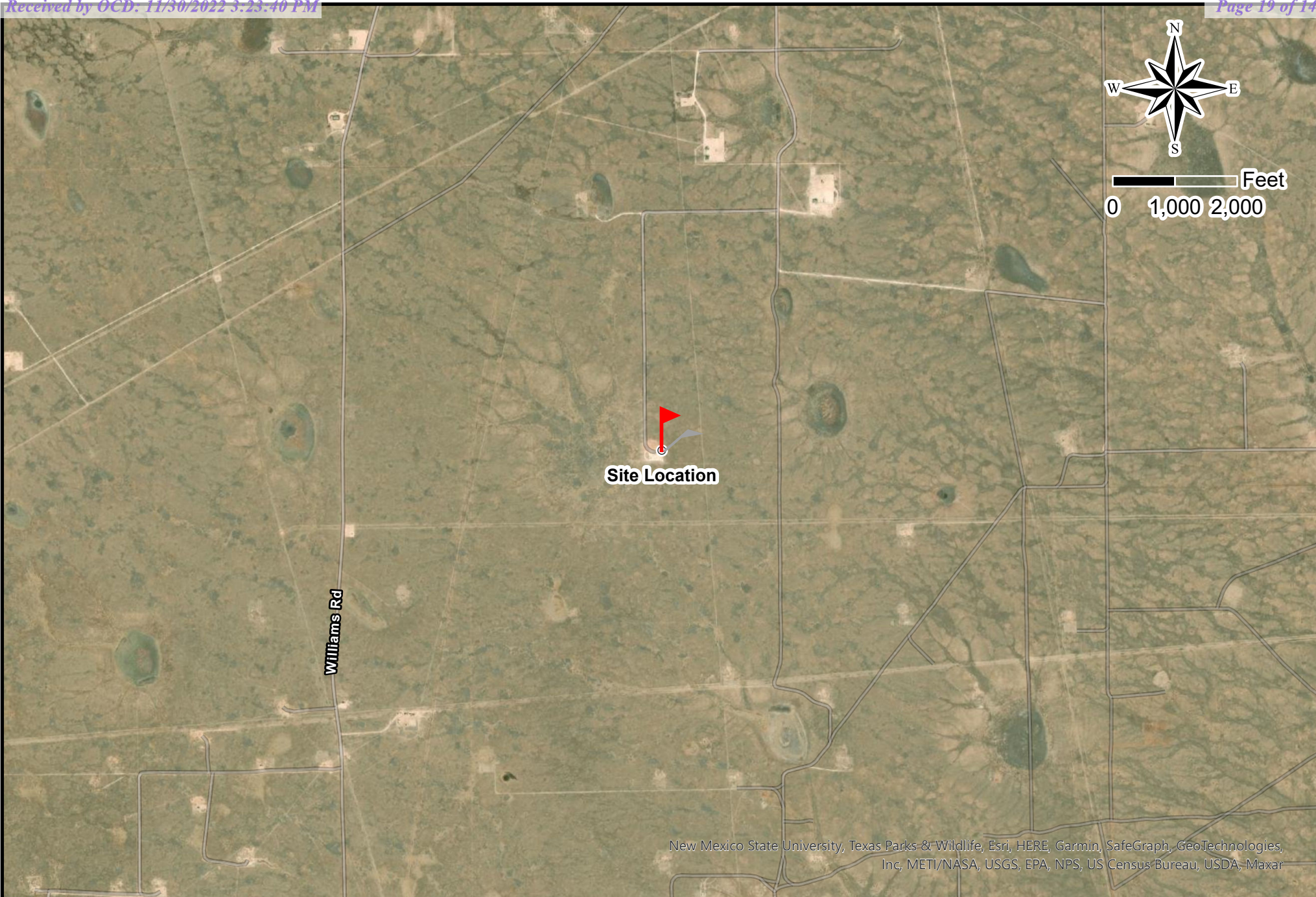


Drafted: 10/24/2022

1 in = 30 ft

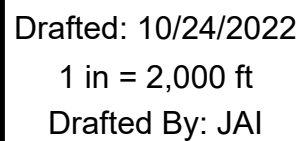
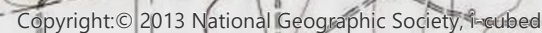
Drafted By: JAI

EOG Resources
Kemnitz South AFL State #001
Lea County, NM
Figure 1 - Site Assessment Map

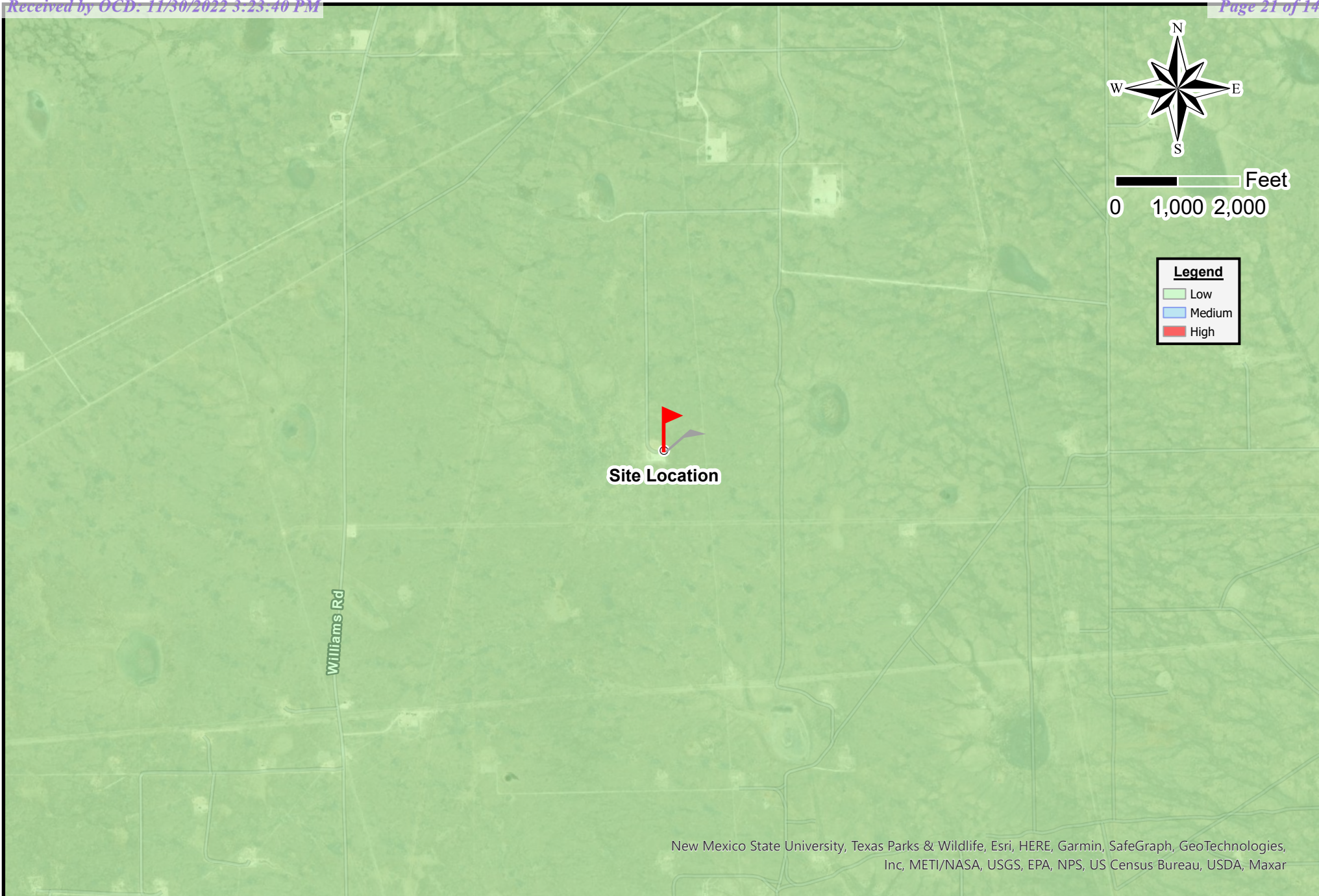


Drafted: 10/24/2022
1 in = 2,000 ft
Drafted By: JAI

EOG Resources
Kemnitz South AFL State #001
Lea County, NM
Figure 2 - Vicinity Map



EOG Resources
Kemnitz South AFL State #001
Lea County, NM
Figure 3 - Topographic Map



Drafted: 10/24/2022
1 in = 2,000 ft
Drafted By: JAI

EOG Resources
Kemnitz South AFL State #001
Lea County, NM
Figure 4 - Karst Map

EOG Resources

Kemnitz South AFL State #001
Lea County, NM
Confirmation Sample Map

Legend

- Excavation
- Kemnitz South AFL State 1
- Sample Position

Kemnitz South AFL State 1



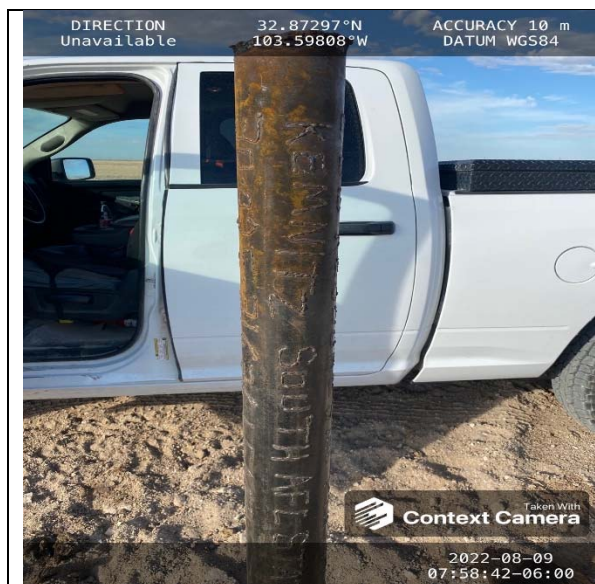
40 ft

N



Appendix III

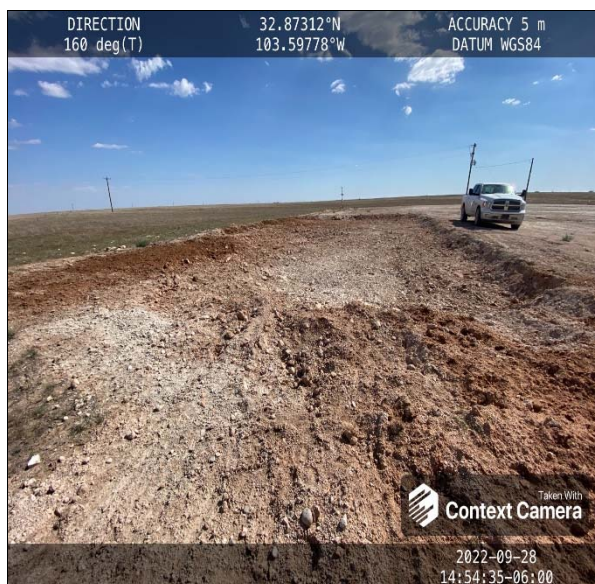
Photographic Documentation

Closure Report
EOG Resources, Kemnitz South AFL State 1**Photograph No.1 Description:**

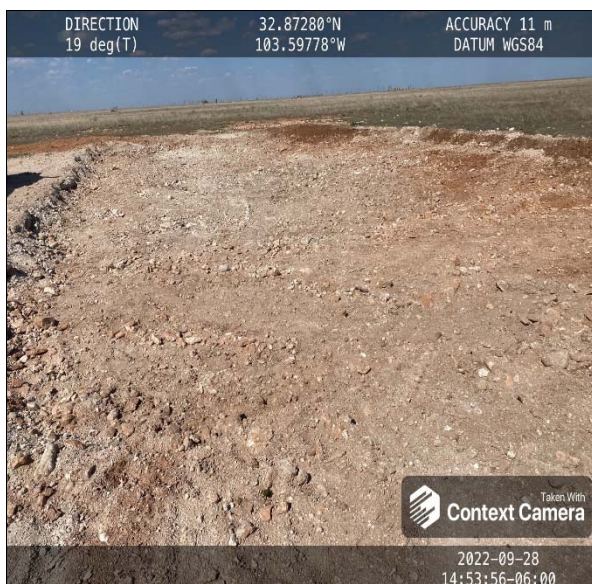
Site marker on pad.

**Photograph No.2 Description:**

Impacted area in containment area.

**Photograph No.3 Description:**

Area of excavation, view to the south.

**Photograph No.4 Description:**

Area of excavation, view to the north.



Photograph No.5 Description:

Micro-Blaze application North End



Photograph No.6 Description:

Micro-Blaze application South End



Appendix IV

Laboratory Data



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

September 07, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: KEMNITZ SOUTH AFL STATE 1

Enclosed are the results of analyses for samples received by the laboratory on 09/01/22 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/01/2022	Sampling Date:	08/31/2022
Reported:	09/07/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: TT 1-2 1'6" (H224025-01)

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	09/03/2022	ND	2.07	103	2.00	10.8	
Toluene*	<0.050	0.050	09/03/2022	ND	2.05	102	2.00	9.39	
Ethylbenzene*	<0.050	0.050	09/03/2022	ND	2.00	100	2.00	11.3	
Total Xylenes*	<0.150	0.150	09/03/2022	ND	6.23	104	6.00	9.83	
Total BTEX	<0.300	0.300	09/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	272	16.0	09/02/2022	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	09/02/2022	ND	192	96.2	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	188	93.8	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					

Surrogate: 1-Chlorooctane 87.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.5 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

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

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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:

Address: 408 W. Texas Ave

City: Artesia

State: NM **Zip:** 88210

Phone #: 575.746.8768 **Fax #:**

Project #: 700438.300.01 **Project Owner:**

Project Name: Kempt 5. Affl

Project Location: DEA

Sampler Name: A. Dancer

FOR LAB USE ONLY

P.O. #:

Company:

Attn:

Address:

City:

State: **Zip:**

Phone #:

Fax #:

Lab I.D.

Sample I.D.

TT12 1.6"

Matrix:

GROUNDWATER	
WASTEWATER	
SOIL	
OIL	
SLUDGE	
OTHER :	
ACID/BASE:	
ICE / COOL	
OTHER :	

Relinquished By:

Relinquished By:

Delivered By: (Circle One) 0.9.2.0.3.0.113

Sampler - UPS - Bus - Other:

Received By:

Received By:

Sample Condition:

☒ Cool ☐ Intact

☐ Yes ☐ Yes

☐ No ☐ No

CHECKED BY: (Initials)

Time:

Date:

Time:

Date:

DATE

TIME

REMARKS:

Phone Result: ☐ Yes ☐ No

Add'l Phone #:

Fax Result: ☐ Yes ☐ No

Add'l Fax #:



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

August 16, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: KEMNITZ SOUTH AFL STATE 1

Enclosed are the results of analyses for samples received by the laboratory on 08/10/22 11:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/10/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: S - 1 0-1' R (H223607-01)

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2022	ND	2.08	104	2.00	3.26	
Toluene*	<0.050	0.050	08/12/2022	ND	2.17	109	2.00	3.34	GC-NC
Ethylbenzene*	0.246	0.050	08/12/2022	ND	2.21	111	2.00	3.23	GC-NC1
Total Xylenes*	1.40	0.150	08/12/2022	ND	6.83	114	6.00	4.13	GC-NC1
Total BTX	1.64	0.300	08/12/2022	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 202 % 69.9-140

Chloride, SM4500Cl-B			mg/kg					Analyzed By: GM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/12/2022	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*	83.8	50.0	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	1810	50.0	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	510	50.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 109 % 43-149

Surrogate: 1-Chlorooctadecane 130 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/16/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 0-1' R (H223607-02)

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	08/12/2022	ND	2.08	104	2.00	3.26	
Toluene*	<0.050	0.050	08/12/2022	ND	2.17	109	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23	
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13	
Total BTEx	<0.300	0.300	08/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/12/2022	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	08/12/2022	ND	206	103	200	4.39	
DRO >C10-C28*	458	10.0	08/12/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	556	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 89.1 % 43-149

Surrogate: 1-Chlorooctadecane 118 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/16/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 0-1' R (H223607-03)

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	08/12/2022	ND	2.08	104	2.00	3.26	
Toluene*	<0.200	0.200	08/12/2022	ND	2.17	109	2.00	3.34	GC-NC
Ethylbenzene*	1.17	0.200	08/12/2022	ND	2.21	111	2.00	3.23	GC-NC1
Total Xylenes*	7.61	0.600	08/12/2022	ND	6.83	114	6.00	4.13	GC-NC1
Total BTX	8.78	1.20	08/12/2022	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 208 % 69.9-140

Chloride, SM4500CI-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/12/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1370	100	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	17300	100	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	4550	100	08/11/2022	ND					

Surrogate: 1-Chlorooctane 580 % 43-149

Surrogate: 1-Chlorooctadecane 626 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/16/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 0 (H223607-04)

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	08/12/2022	ND	2.08	104	2.00	3.26		
Toluene*	<0.050	0.050	08/12/2022	ND	2.17	109	2.00	3.34		
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23		
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13		
Total BTEx	<0.300	0.300	08/12/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/12/2022	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	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 89.8 % 43-149

Surrogate: 1-Chlorooctadecane 92.5 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/16/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 5 0 (H223607-05)

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	08/12/2022	ND	2.08	104	2.00	3.26	
Toluene*	0.109	0.050	08/12/2022	ND	2.17	109	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23	
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13	
Total BTEX	<0.300	0.300	08/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/12/2022	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	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 80.3 % 43-149

Surrogate: 1-Chlorooctadecane 84.1 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/16/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 6 0 (H223607-06)

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	08/12/2022	ND	2.08	104	2.00	3.26	
Toluene*	<0.050	0.050	08/12/2022	ND	2.17	109	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23	
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13	
Total BTEx	<0.300	0.300	08/12/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/12/2022	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	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 43-149

Surrogate: 1-Chlorooctadecane 87.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/16/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 7 0 (H223607-07)

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	08/12/2022	ND	2.08	104	2.00	3.26	
Toluene*	<0.050	0.050	08/12/2022	ND	2.17	109	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23	
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13	
Total BTEx	<0.300	0.300	08/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/12/2022	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	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 87.2 % 43-149

Surrogate: 1-Chlorooctadecane 91.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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 Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name: Talon LPE											
Project Manager: R. Pons											
Address: 408 W. Texas Ave											
City: Artesia											
State: NM											
Zip: 88210											
Phone #: 575.746.8768											
Fax #:											
Project #: 700438.300.01											
Project Owner: EOG											
Project Name: Kennitz South AFL State 1											
Project Location: Lea County, NM											
Sampler Name: J. Carnes											
P.O. #:											
Company:											
Attn:											
Address:											
City:											
State:											
Zip:											
Phone #:											
Fax #:											

[illegible]

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Relinquished By: <i>James Lee</i>		Date: <i>5-10-00</i>	Received By: <i>Spadickney</i>	
Relinquished By:		Time: <i>1147</i>	Time:	
Date:		Date:		
Time:		Time:		
Delivered By: (Circle One) - <i>0.22</i> / <i>C</i> - <i>0.62</i>		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/>		
Sampler - UPS - Bus - Other: <i>-0.82</i> # <i>113</i>		CHECKED BY: <i>SL</i> (Initials)		

Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
REMARKS:			

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



Environment Testing

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3303-1

Laboratory Sample Delivery Group: 700438-300.01

Client Project/Site: EOG Kimnets

For:

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

Attn: Chad Hensley

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

Authorized for release by:

10/31/2022 4:43:02 PM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

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results through



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www.eurofinsus.com/Env

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

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

Client: Talon/LPE
Project/Site: EOG Kimnets

Laboratory Job ID: 890-3303-1
SDG: 700438-300.01

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Definitions/Glossary

Client: Talon/LPE
Project/Site: EOG Kimnets

Job ID: 890-3303-1
SDG: 700438-300.01

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, 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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Carlsbad

Case Narrative

Client: Talon/LPE
Project/Site: EOG Kimnets

Job ID: 890-3303-1
SDG: 700438-300.01

Job ID: 890-3303-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3303-1

Receipt

The samples were received on 10/27/2022 3:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 24.4°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1A (890-3303-1) and S-3A (890-3303-2).

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 laboratory control sample (LCS) associated with preparation batch 880-38261 and analytical batch 880-38217 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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: EOG Kimnets

Job ID: 890-3303-1
SDG: 700438-300.01

Client Sample ID: S-1A

Lab Sample ID: 890-3303-1

Date Collected: 10/27/22 13:10

Matrix: Solid

Date Received: 10/27/22 15:05

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0129		0.00202	0.000388	mg/Kg		10/31/22 09:15	10/31/22 14:28	1
Toluene	0.00155	J	0.00202	0.000460	mg/Kg		10/31/22 09:15	10/31/22 14:28	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg		10/31/22 09:15	10/31/22 14:28	1
m-Xylene & p-Xylene	<0.00102	U	0.00403	0.00102	mg/Kg		10/31/22 09:15	10/31/22 14:28	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		10/31/22 09:15	10/31/22 14:28	1
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg		10/31/22 09:15	10/31/22 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	10/31/22 09:15	10/31/22 14:28	1
1,4-Difluorobenzene (Surr)	113		70 - 130	10/31/22 09:15	10/31/22 14:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0145		0.00403	0.00102	mg/Kg			10/31/22 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	443		49.8	14.9	mg/Kg			10/31/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	44.0	J B	49.8	14.9	mg/Kg		10/31/22 10:25	10/31/22 13:29	1
Diesel Range Organics (Over C10-C28)	319	B +	49.8	14.9	mg/Kg		10/31/22 10:25	10/31/22 13:29	1
Oil Range Organics (Over C28-C36)	80.0	B	49.8	14.9	mg/Kg		10/31/22 10:25	10/31/22 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	10/31/22 10:25	10/31/22 13:29	1
o-Terphenyl	91		70 - 130	10/31/22 10:25	10/31/22 13:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	189		4.95	0.391	mg/Kg			10/31/22 13:09	1

Client Sample ID: S-3A

Lab Sample ID: 890-3303-2

Date Collected: 10/27/22 13:21

Matrix: Solid

Date Received: 10/27/22 15:05

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00114	J B	0.00200	0.000384	mg/Kg		10/31/22 09:15	10/31/22 11:22	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		10/31/22 09:15	10/31/22 11:22	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		10/31/22 09:15	10/31/22 11:22	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		10/31/22 09:15	10/31/22 11:22	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		10/31/22 09:15	10/31/22 11:22	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		10/31/22 09:15	10/31/22 11:22	1

Eurofins Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: EOG Kimnets

Job ID: 890-3303-1
SDG: 700438-300.01

Client Sample ID: S-3A

Lab Sample ID: 890-3303-2

Date Collected: 10/27/22 13:21

Matrix: Solid

Date Received: 10/27/22 15:05

Sample Depth: 3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	50	S1-	70 - 130	10/31/22 09:15	10/31/22 11:22	1
1,4-Difluorobenzene (Surr)	72		70 - 130	10/31/22 09:15	10/31/22 11:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00114	J	0.00399	0.00101	mg/Kg	-		10/31/22 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.5		49.9	15.0	mg/Kg	-		10/31/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.7	J B	49.9	15.0	mg/Kg	-	10/31/22 10:25	10/31/22 13:50	1
Diesel Range Organics (Over C10-C28)	33.8	J B *+	49.9	15.0	mg/Kg	-	10/31/22 10:25	10/31/22 13:50	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	10/31/22 10:25	10/31/22 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	10/31/22 10:25	10/31/22 13:50	1
o-Terphenyl	108		70 - 130	10/31/22 10:25	10/31/22 13:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.4		5.00	0.395	mg/Kg	-		10/31/22 13:24	1

Eurofins Carlsbad

Surrogate Summary

Client: Talon/LPE
Project/Site: EOG Kimnets

Job ID: 890-3303-1
SDG: 700438-300.01

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-3303-1	S-1A	103	113
890-3303-2	S-3A	50 S1-	72
890-3303-2 MS	S-3A	105	102
890-3303-2 MSD	S-3A	95	95
LCS 880-38223/1-A	Lab Control Sample	97	97
LCSD 880-38223/2-A	Lab Control Sample Dup	95	98
MB 880-38223/5-A	Method Blank	99	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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-3303-1	S-1A	84	91
890-3303-2	S-3A	97	108
LCS 880-38261/2-A	Lab Control Sample	131 S1+	146 S1+
LCSD 880-38261/3-A	Lab Control Sample Dup	133 S1+	148 S1+
MB 880-38261/1-A	Method Blank	87	99
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Talon/LPE
Project/Site: EOG Kimnets

Job ID: 890-3303-1
SDG: 700438-300.01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-38223/5-A

Matrix: Solid

Analysis Batch: 38211

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		10/31/22 09:15	10/31/22 11:00	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		10/31/22 09:15	10/31/22 11:00	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		10/31/22 09:15	10/31/22 11:00	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		10/31/22 09:15	10/31/22 11:00	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		10/31/22 09:15	10/31/22 11:00	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		10/31/22 09:15	10/31/22 11:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	10/31/22 09:15	10/31/22 11:00	1
1,4-Difluorobenzene (Surr)	91		70 - 130	10/31/22 09:15	10/31/22 11:00	1

Lab Sample ID: LCS 880-38223/1-A

Matrix: Solid

Analysis Batch: 38211

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08506		mg/Kg		85	70 - 130
Toluene	0.100	0.09233		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09305		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1814		mg/Kg		91	70 - 130
o-Xylene	0.100	0.1022		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-38223/2-A

Matrix: Solid

Analysis Batch: 38211

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 38223

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09133		mg/Kg		91	70 - 130	7	35
Toluene	0.100	0.09725		mg/Kg		97	70 - 130	5	35
Ethylbenzene	0.100	0.09938		mg/Kg		99	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1886		mg/Kg		94	70 - 130	4	35
o-Xylene	0.100	0.1064		mg/Kg		106	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-3303-2 MS

Matrix: Solid

Analysis Batch: 38211

Client Sample ID: S-3A

Prep Type: Total/NA

Prep Batch: 38223

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00114	J B	0.0990	0.08354		mg/Kg		83	70 - 130
Toluene	<0.000455	U	0.0990	0.08996		mg/Kg		91	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: EOG Kimnets

Job ID: 890-3303-1
SDG: 700438-300.01

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

Lab Sample ID: 890-3303-2 MS

Matrix: Solid

Analysis Batch: 38211

Client Sample ID: S-3A

Prep Type: Total/NA

Prep Batch: 38223

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.000564	U	0.0990	0.09006		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00101	U	0.198	0.1808		mg/Kg		91	70 - 130
o-Xylene	<0.000343	U	0.0990	0.1013		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-3303-2 MSD

Matrix: Solid

Analysis Batch: 38211

Client Sample ID: S-3A

Prep Type: Total/NA

Prep Batch: 38223

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.00114	J B	0.100	0.07830		mg/Kg		77	70 - 130	6	35
Toluene	<0.000455	U	0.100	0.08671		mg/Kg		87	70 - 130	4	35
Ethylbenzene	<0.000564	U	0.100	0.07853		mg/Kg		78	70 - 130	14	35
m-Xylene & p-Xylene	<0.00101	U	0.200	0.1517		mg/Kg		76	70 - 130	18	35
o-Xylene	<0.000343	U	0.100	0.08529		mg/Kg		85	70 - 130	17	35

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

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

Lab Sample ID: MB 880-38261/1-A

Matrix: Solid

Analysis Batch: 38217

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38261

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.88	J	50.0	15.0	mg/Kg		10/31/22 10:25	10/31/22 09:53	1
Diesel Range Organics (Over C10-C28)	19.76	J	50.0	15.0	mg/Kg		10/31/22 10:25	10/31/22 09:53	1
Oil Range Organics (Over C28-C36)	15.72	J	50.0	15.0	mg/Kg		10/31/22 10:25	10/31/22 09:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	10/31/22 10:25	10/31/22 09:53	1
o-Terphenyl	99		70 - 130	10/31/22 10:25	10/31/22 09:53	1

Lab Sample ID: LCS 880-38261/2-A

Matrix: Solid

Analysis Batch: 38217

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38261

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	903.3		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1384	*+	mg/Kg		138	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: EOG Kimnets

Job ID: 890-3303-1
SDG: 700438-300.01

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

Lab Sample ID: LCS 880-38261/2-A

Matrix: Solid

Analysis Batch: 38217

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38261

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	146	S1+	70 - 130

Lab Sample ID: LCSD 880-38261/3-A

Matrix: Solid

Analysis Batch: 38217

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 38261

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	944.8		mg/Kg		94	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1439	*+	mg/Kg		144	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	148	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-38248/1-A

Matrix: Solid

Analysis Batch: 38295

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			10/31/22 12:54	1

Lab Sample ID: LCS 880-38248/2-A

Matrix: Solid

Analysis Batch: 38295

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	256.6		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-38248/3-A

Matrix: Solid

Analysis Batch: 38295

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	252.1		mg/Kg		101	90 - 110	2	20

Lab Sample ID: 890-3303-1 MS

Matrix: Solid

Analysis Batch: 38295

Client Sample ID: S-1A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	189		248	431.7		mg/Kg		98	90 - 110		

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QC Sample Results

Client: Talon/LPE
Project/Site: EOG Kimnets

Job ID: 890-3303-1
SDG: 700438-300.01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-3303-1 MSD							Client Sample ID: S-1A					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 38295												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	189		248	431.4		mg/Kg		98	90 - 110	0	20	

QC Association Summary

Client: Talon/LPE
Project/Site: EOG Kimnets

Job ID: 890-3303-1
SDG: 700438-300.01

GC VOA

Analysis Batch: 38211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3303-1	S-1A	Total/NA	Solid	8021B	38223
890-3303-2	S-3A	Total/NA	Solid	8021B	38223
MB 880-38223/5-A	Method Blank	Total/NA	Solid	8021B	38223
LCS 880-38223/1-A	Lab Control Sample	Total/NA	Solid	8021B	38223
LCSD 880-38223/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	38223
890-3303-2 MS	S-3A	Total/NA	Solid	8021B	38223
890-3303-2 MSD	S-3A	Total/NA	Solid	8021B	38223

Prep Batch: 38223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3303-1	S-1A	Total/NA	Solid	5035	
890-3303-2	S-3A	Total/NA	Solid	5035	
MB 880-38223/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-38223/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-38223/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3303-2 MS	S-3A	Total/NA	Solid	5035	
890-3303-2 MSD	S-3A	Total/NA	Solid	5035	

Analysis Batch: 38304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3303-1	S-1A	Total/NA	Solid	Total BTEX	
890-3303-2	S-3A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 38217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3303-1	S-1A	Total/NA	Solid	8015B NM	38261
890-3303-2	S-3A	Total/NA	Solid	8015B NM	38261
MB 880-38261/1-A	Method Blank	Total/NA	Solid	8015B NM	38261
LCS 880-38261/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38261
LCSD 880-38261/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38261

Prep Batch: 38261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3303-1	S-1A	Total/NA	Solid	8015NM Prep	
890-3303-2	S-3A	Total/NA	Solid	8015NM Prep	
MB 880-38261/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38261/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38261/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 38303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3303-1	S-1A	Total/NA	Solid	8015 NM	
890-3303-2	S-3A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 38248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3303-1	S-1A	Soluble	Solid	DI Leach	
890-3303-2	S-3A	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Talon/LPE
Project/Site: EOG Kimnets

Job ID: 890-3303-1
SDG: 700438-300.01

HPLC/IC (Continued)

Leach Batch: 38248 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-38248/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38248/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38248/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3303-1 MS	S-1A	Soluble	Solid	DI Leach	
890-3303-1 MSD	S-1A	Soluble	Solid	DI Leach	

Analysis Batch: 38295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3303-1	S-1A	Soluble	Solid	300.0	38248
890-3303-2	S-3A	Soluble	Solid	300.0	38248
MB 880-38248/1-A	Method Blank	Soluble	Solid	300.0	38248
LCS 880-38248/2-A	Lab Control Sample	Soluble	Solid	300.0	38248
LCSD 880-38248/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38248
890-3303-1 MS	S-1A	Soluble	Solid	300.0	38248
890-3303-1 MSD	S-1A	Soluble	Solid	300.0	38248

Lab Chronicle

Client: Talon/LPE
Project/Site: EOG Kimnets

Job ID: 890-3303-1
SDG: 700438-300.01

Client Sample ID: S-1A

Lab Sample ID: 890-3303-1

Date Collected: 10/27/22 13:10

Matrix: Solid

Date Received: 10/27/22 15:05

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	38223	10/31/22 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38211	10/31/22 14:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38304	10/31/22 15:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38303	10/31/22 15:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38261	10/31/22 10:25	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38217	10/31/22 13:29	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	38248	10/31/22 10:08	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38295	10/31/22 13:09	CH	EET MID

Client Sample ID: S-3A

Lab Sample ID: 890-3303-2

Date Collected: 10/27/22 13:21

Matrix: Solid

Date Received: 10/27/22 15:05

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	38223	10/31/22 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38211	10/31/22 11:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38304	10/31/22 15:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38303	10/31/22 15:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38261	10/31/22 10:25	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38217	10/31/22 13:50	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38248	10/31/22 10:08	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38295	10/31/22 13:24	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: EOG Kimnets

Job ID: 890-3303-1
SDG: 700438-300.01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: EOG Kimnets

Job ID: 890-3303-1
SDG: 700438-300.01

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: EOG Kimnets

Job ID: 890-3303-1
SDG: 700438-300.01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3303-1	S-1A	Solid	10/27/22 13:10	10/27/22 15:05	3
890-3303-2	S-3A	Solid	10/27/22 13:21	10/27/22 15:05	3

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



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: _____

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Project Manager:	Chad Mensley	Bill to: (if different)	Talon LLC
Company Name:		Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	

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

Project Name:	Turn Around		Pres. Code				
Project Number:	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush						
Project Location:	Due Date:	1 Day					
Sampler's Name:	TAT starts the day received by the lab, if received by 4:30pm						
PO #:							
SAMPLE RECEIPT							
Samples Received In tact:	Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wet Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Parameters				
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Thermometer ID: T-1111-003					
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor: 84.4					
Total Containers:	Temperature Reading: 24.4	Corrected Temperature: -0.2					
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	
S-1A		10/27/12	13:10	3 ft	Comp		
S-3A		10/27/12	13:21	3 ft	Comp		



890-3303 Chain of Custody

ANALYSIS REQUEST		Preservative Codes	
None: NO	DI Water: H ₂ O		
Cool: Cool	MeOH: Me		
HCL: HC	HNO ₃ : HN		
H ₂ SO ₄ : H ₂	NaOH: Na		
H ₃ PO ₄ : HP			
NaHSO ₄ : NABIS			
Na ₂ S ₂ O ₅ : 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 Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010 : 8RCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Chad	Joe	10-27-22 15:05			

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3303-1

SDG Number: 700438-300.01

Login Number: 3303**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: 890-3303-1

SDG Number: 700438-300.01

Login Number: 3303**List Number: 2****Creator: Rodriguez, Leticia****List Source: Eurofins Midland****List Creation: 10/31/22 08:40 AM**

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3163-1

Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Kemnitz South AFL State 1

For:

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

Attn: Rebecca Pons

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

Authorized for release by:

10/12/2022 1:00:27 PM

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

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Laboratory Job ID: 890-3163-1
SDG: Lea County NM

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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.
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
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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	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

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Case Narrative

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Job ID: 890-3163-1**Laboratory: Eurofins Carlsbad****Narrative****Job Narrative
890-3163-1****Receipt**

The samples were received on 10/6/2022 10:03 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 1.2°C

Receipt Exceptions

The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: S-1A (890-3163-1), S-2A (890-3163-2), S-3A (890-3163-3), S-8A (890-3163-4), S-9A (890-3163-5), S-10A (890-3163-6), S-11A (890-3163-7), S-12A (890-3163-8), S-13A (890-3163-9) and S-14A (890-3163-10). THE FOLLOWING SAMPLES WERE RECEIVED AND SAMPLED FROM UNPRESERVED BULK SOILD

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-36587 and analytical batch 880-36501 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 8021B: o-Xylene biased high in LCSD. Since only an acceptable LCS is required per the method, the data has been qualified and reported.(LCSD 880-36450/2-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 880-36322 and analytical batch 880-36315 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-36394 and analytical batch 880-36739 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: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Client Sample ID: S-1A

Lab Sample ID: 890-3163-1

Date Collected: 10/06/22 07:00

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U F1 F2	0.00201	0.000387	mg/Kg		10/10/22 13:15	10/10/22 23:15	1
Toluene	0.000793	J F1 F2	0.00201	0.000458	mg/Kg		10/10/22 13:15	10/10/22 23:15	1
Ethylbenzene	<0.000567	U F1 F2	0.00201	0.000567	mg/Kg		10/10/22 13:15	10/10/22 23:15	1
m-Xylene & p-Xylene	<0.00101	U F1 F2	0.00402	0.00101	mg/Kg		10/10/22 13:15	10/10/22 23:15	1
o-Xylene	<0.000345	U F1 F2	0.00201	0.000345	mg/Kg		10/10/22 13:15	10/10/22 23:15	1
Xylenes, Total	<0.00101	U F1 F2	0.00402	0.00101	mg/Kg		10/10/22 13:15	10/10/22 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	10/10/22 13:15	10/10/22 23:15	1
1,4-Difluorobenzene (Surr)	83		70 - 130	10/10/22 13:15	10/10/22 23:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00402	0.00101	mg/Kg			10/11/22 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	140		49.9	15.0	mg/Kg			10/10/22 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	29.8	J	49.9	15.0	mg/Kg		10/07/22 07:42	10/07/22 15:50	1
Diesel Range Organics (Over C10-C28)	92.3	B	49.9	15.0	mg/Kg		10/07/22 07:42	10/07/22 15:50	1
Oil Range Organics (Over C28-C36)	18.1	J	49.9	15.0	mg/Kg		10/07/22 07:42	10/07/22 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	10/07/22 07:42	10/07/22 15:50	1
o-Terphenyl	91		70 - 130	10/07/22 07:42	10/07/22 15:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		4.95	0.391	mg/Kg			10/11/22 21:43	1

Client Sample ID: S-2A

Lab Sample ID: 890-3163-2

Date Collected: 10/06/22 07:05

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		10/10/22 13:15	10/10/22 23:36	1
Toluene	0.00271		0.00198	0.000451	mg/Kg		10/10/22 13:15	10/10/22 23:36	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		10/10/22 13:15	10/10/22 23:36	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		10/10/22 13:15	10/10/22 23:36	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		10/10/22 13:15	10/10/22 23:36	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		10/10/22 13:15	10/10/22 23:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	10/10/22 13:15	10/10/22 23:36	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Client Sample ID: S-2A

Lab Sample ID: 890-3163-2

Date Collected: 10/06/22 07:05

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	10/10/22 13:15	10/10/22 23:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00271	J	0.00396	0.00100	mg/Kg			10/11/22 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	139		50.0	15.0	mg/Kg			10/10/22 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	29.5	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 16:12	1
Diesel Range Organics (Over C10-C28)	92.6	B	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 16:12	1
Oil Range Organics (Over C28-C36)	17.0	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 16:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				10/07/22 07:42	10/07/22 16:12	1
o-Terphenyl	90		70 - 130				10/07/22 07:42	10/07/22 16:12	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	199		4.96	0.392	mg/Kg			10/11/22 21:59	1

Client Sample ID: S-3A

Lab Sample ID: 890-3163-3

Date Collected: 10/06/22 07:10

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		10/10/22 13:15	10/10/22 23:57	1
Toluene	0.00118	J	0.00199	0.000454	mg/Kg		10/10/22 13:15	10/10/22 23:57	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		10/10/22 13:15	10/10/22 23:57	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		10/10/22 13:15	10/10/22 23:57	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		10/10/22 13:15	10/10/22 23:57	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		10/10/22 13:15	10/10/22 23:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	10/10/22 13:15	10/10/22 23:57	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/10/22 13:15	10/10/22 23:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00118	J	0.00398	0.00101	mg/Kg			10/11/22 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	134		50.0	15.0	mg/Kg			10/10/22 12:14	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Client Sample ID: S-3A

Lab Sample ID: 890-3163-3

Date Collected: 10/06/22 07:10

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

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	19.5	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 16:33	1
Diesel Range Organics (Over C10-C28)	95.0	B	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 16:33	1
Oil Range Organics (Over C28-C36)	19.1	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				10/07/22 07:42	10/07/22 16:33	1
o-Terphenyl	93		70 - 130				10/07/22 07:42	10/07/22 16:33	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		5.01	0.396	mg/Kg			10/11/22 22:04	1

Client Sample ID: S-8A

Lab Sample ID: 890-3163-4

Date Collected: 10/06/22 07:15

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000452	J	0.00199	0.000383	mg/Kg		10/10/22 13:15	10/11/22 00:17	1
Toluene	0.000636	J	0.00199	0.000453	mg/Kg		10/10/22 13:15	10/11/22 00:17	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		10/10/22 13:15	10/11/22 00:17	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		10/10/22 13:15	10/11/22 00:17	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		10/10/22 13:15	10/11/22 00:17	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		10/10/22 13:15	10/11/22 00:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				10/10/22 13:15	10/11/22 00:17	1
1,4-Difluorobenzene (Surr)	105		70 - 130				10/10/22 13:15	10/11/22 00:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00109	J	0.00398	0.00100	mg/Kg			10/11/22 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	101		49.8	14.9	mg/Kg			10/10/22 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.0	J	49.8	14.9	mg/Kg		10/07/22 07:42	10/07/22 16:55	1
Diesel Range Organics (Over C10-C28)	77.9	B	49.8	14.9	mg/Kg		10/07/22 07:42	10/07/22 16:55	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		10/07/22 07:42	10/07/22 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				10/07/22 07:42	10/07/22 16:55	1
o-Terphenyl	94		70 - 130				10/07/22 07:42	10/07/22 16:55	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Client Sample ID: S-8A

Lab Sample ID: 890-3163-4

Date Collected: 10/06/22 07:15

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		4.99	0.394	mg/Kg			10/11/22 22:10	1

Client Sample ID: S-9A

Lab Sample ID: 890-3163-5

Date Collected: 10/06/22 07:20

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		10/10/22 13:15	10/11/22 00:38	1
Toluene	0.00158	J	0.00200	0.000455	mg/Kg		10/10/22 13:15	10/11/22 00:38	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		10/10/22 13:15	10/11/22 00:38	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		10/10/22 13:15	10/11/22 00:38	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		10/10/22 13:15	10/11/22 00:38	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		10/10/22 13:15	10/11/22 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				10/10/22 13:15	10/11/22 00:38	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/10/22 13:15	10/11/22 00:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00158	J	0.00399	0.00101	mg/Kg			10/11/22 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	147		49.9	15.0	mg/Kg			10/10/22 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	22.4	J	49.9	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:16	1
Diesel Range Organics (Over C10-C28)	103	B	49.9	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:16	1
Oil Range Organics (Over C28-C36)	21.2	J	49.9	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				10/07/22 07:42	10/07/22 17:16	1
o-Terphenyl	96		70 - 130				10/07/22 07:42	10/07/22 17:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		5.00	0.395	mg/Kg			10/11/22 22:15	1

Eurofins Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Client Sample ID: S-10A

Lab Sample ID: 890-3163-6

Date Collected: 10/06/22 07:25

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		10/10/22 13:15	10/11/22 00:59	1
Toluene	0.00125	J	0.00199	0.000454	mg/Kg		10/10/22 13:15	10/11/22 00:59	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		10/10/22 13:15	10/11/22 00:59	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		10/10/22 13:15	10/11/22 00:59	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		10/10/22 13:15	10/11/22 00:59	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		10/10/22 13:15	10/11/22 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	10/10/22 13:15	10/11/22 00:59	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/10/22 13:15	10/11/22 00:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00125	J	0.00398	0.00101	mg/Kg			10/11/22 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	142		50.0	15.0	mg/Kg			10/10/22 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.9	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:38	1
Diesel Range Organics (Over C10-C28)	96.0	B	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:38	1
Oil Range Organics (Over C28-C36)	19.9	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	10/07/22 07:42	10/07/22 17:38	1
o-Terphenyl	94		70 - 130	10/07/22 07:42	10/07/22 17:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	178		5.00	0.395	mg/Kg			10/11/22 22:21	1

Client Sample ID: S-11A

Lab Sample ID: 890-3163-7

Date Collected: 10/06/22 07:30

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		10/10/22 13:15	10/11/22 01:19	1
Toluene	0.00130	J	0.00200	0.000455	mg/Kg		10/10/22 13:15	10/11/22 01:19	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		10/10/22 13:15	10/11/22 01:19	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		10/10/22 13:15	10/11/22 01:19	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		10/10/22 13:15	10/11/22 01:19	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		10/10/22 13:15	10/11/22 01:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	10/10/22 13:15	10/11/22 01:19	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Client Sample ID: S-11A

Lab Sample ID: 890-3163-7

Date Collected: 10/06/22 07:30

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	93		70 - 130	10/10/22 13:15	10/11/22 01:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00130	J	0.00399	0.00101	mg/Kg			10/11/22 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.0		50.0	15.0	mg/Kg			10/10/22 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.4	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:59	1
Diesel Range Organics (Over C10-C28)	54.6	B	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:59	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				10/07/22 07:42	10/07/22 17:59	1
o-Terphenyl	88		70 - 130				10/07/22 07:42	10/07/22 17:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	241	F1	4.98	0.393	mg/Kg			10/11/22 22:26	1

Client Sample ID: S-12A

Lab Sample ID: 890-3163-8

Date Collected: 10/06/22 07:35

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		10/10/22 13:15	10/11/22 01:40	1
Toluene	0.00202		0.00199	0.000453	mg/Kg		10/10/22 13:15	10/11/22 01:40	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		10/10/22 13:15	10/11/22 01:40	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		10/10/22 13:15	10/11/22 01:40	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		10/10/22 13:15	10/11/22 01:40	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		10/10/22 13:15	10/11/22 01:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	10/10/22 13:15	10/11/22 01:40	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/10/22 13:15	10/11/22 01:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00202	J	0.00398	0.00100	mg/Kg			10/11/22 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	81.2		50.0	15.0	mg/Kg			10/10/22 12:14	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Client Sample ID: S-12A

Lab Sample ID: 890-3163-8

Date Collected: 10/06/22 07:35

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.0	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 18:21	1
Diesel Range Organics (Over C10-C28)	66.2	B	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 18:21	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				10/07/22 07:42	10/07/22 18:21	1
o-Terphenyl	87		70 - 130				10/07/22 07:42	10/07/22 18:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		4.96	0.392	mg/Kg			10/11/22 22:43	1

Client Sample ID: S-13A

Lab Sample ID: 890-3163-9

Date Collected: 10/06/22 07:40

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		10/10/22 13:15	10/11/22 03:45	1
Toluene	0.00241		0.00200	0.000455	mg/Kg		10/10/22 13:15	10/11/22 03:45	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		10/10/22 13:15	10/11/22 03:45	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		10/10/22 13:15	10/11/22 03:45	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		10/10/22 13:15	10/11/22 03:45	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		10/10/22 13:15	10/11/22 03:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				10/10/22 13:15	10/11/22 03:45	1
1,4-Difluorobenzene (Surr)	86		70 - 130				10/10/22 13:15	10/11/22 03:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00241	J	0.00399	0.00101	mg/Kg			10/11/22 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	109		49.8	14.9	mg/Kg			10/10/22 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.0	J	49.8	14.9	mg/Kg		10/07/22 07:42	10/07/22 18:43	1
Diesel Range Organics (Over C10-C28)	78.7	B	49.8	14.9	mg/Kg		10/07/22 07:42	10/07/22 18:43	1
Oil Range Organics (Over C28-C36)	15.1	J	49.8	14.9	mg/Kg		10/07/22 07:42	10/07/22 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				10/07/22 07:42	10/07/22 18:43	1
o-Terphenyl	90		70 - 130				10/07/22 07:42	10/07/22 18:43	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Client Sample ID: S-13A

Lab Sample ID: 890-3163-9

Date Collected: 10/06/22 07:40

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		4.95	0.391	mg/Kg			10/11/22 22:48	1

Client Sample ID: S-14A

Lab Sample ID: 890-3163-10

Date Collected: 10/06/22 07:45

Matrix: Solid

Date Received: 10/06/22 10:03

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		10/08/22 13:26	10/11/22 11:05	1
Toluene	0.000649	J	0.00200	0.000455	mg/Kg		10/08/22 13:26	10/11/22 11:05	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		10/08/22 13:26	10/11/22 11:05	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		10/08/22 13:26	10/11/22 11:05	1
o-Xylene	<0.000343	U *	0.00200	0.000343	mg/Kg		10/08/22 13:26	10/11/22 11:05	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		10/08/22 13:26	10/11/22 11:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				10/08/22 13:26	10/11/22 11:05	1
1,4-Difluorobenzene (Surr)	94		70 - 130				10/08/22 13:26	10/11/22 11:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			10/11/22 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	75.8		49.8	14.9	mg/Kg			10/10/22 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.0	J	49.8	14.9	mg/Kg		10/07/22 07:42	10/07/22 19:04	1
Diesel Range Organics (Over C10-C28)	54.8	B	49.8	14.9	mg/Kg		10/07/22 07:42	10/07/22 19:04	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		10/07/22 07:42	10/07/22 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				10/07/22 07:42	10/07/22 19:04	1
o-Terphenyl	92		70 - 130				10/07/22 07:42	10/07/22 19:04	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		5.01	0.396	mg/Kg			10/11/22 23:04	1

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Surrogate Summary

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
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)
890-3163-1	S-1A	111	83
890-3163-1 MS	S-1A	72	59 S1-
890-3163-1 MSD	S-1A	117	95
890-3163-2	S-2A	110	98
890-3163-3	S-3A	124	103
890-3163-4	S-8A	123	105
890-3163-5	S-9A	112	96
890-3163-6	S-10A	121	99
890-3163-7	S-11A	115	93
890-3163-8	S-12A	116	97
890-3163-9	S-13A	114	86
890-3163-10	S-14A	99	94
LCS 880-36450/1-A	Lab Control Sample	111	99
LCS 880-36587/1-A	Lab Control Sample	93	94
LCSD 880-36450/2-A	Lab Control Sample Dup	122	106
LCSD 880-36587/2-A	Lab Control Sample Dup	93	93
MB 880-36450/5-A	Method Blank	88	91
MB 880-36503/5-A	Method Blank	98	86
MB 880-36587/5-A	Method Blank	105	84
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)
890-3163-1	S-1A	88	91
890-3163-2	S-2A	88	90
890-3163-3	S-3A	93	93
890-3163-4	S-8A	96	94
890-3163-5	S-9A	92	96
890-3163-6	S-10A	91	94
890-3163-7	S-11A	83	88
890-3163-8	S-12A	87	87
890-3163-9	S-13A	88	90
890-3163-10	S-14A	93	92
LCS 880-36322/2-A	Lab Control Sample	97	110
LCSD 880-36322/3-A	Lab Control Sample Dup	98	110
MB 880-36322/1-A	Method Blank	85	97
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-36450/5-A

Matrix: Solid

Analysis Batch: 36624

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36450

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		10/08/22 13:26	10/11/22 10:43	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		10/08/22 13:26	10/11/22 10:43	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		10/08/22 13:26	10/11/22 10:43	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		10/08/22 13:26	10/11/22 10:43	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		10/08/22 13:26	10/11/22 10:43	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		10/08/22 13:26	10/11/22 10:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	10/08/22 13:26	10/11/22 10:43	1
1,4-Difluorobenzene (Surr)	91		70 - 130	10/08/22 13:26	10/11/22 10:43	1

Lab Sample ID: LCS 880-36450/1-A

Matrix: Solid

Analysis Batch: 36624

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36450

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08634		mg/Kg		86	70 - 130
Toluene	0.100	0.08646		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08708		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1903		mg/Kg		95	70 - 130
o-Xylene	0.100	0.1090		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-36450/2-A

Matrix: Solid

Analysis Batch: 36624

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36450

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09637		mg/Kg		96	70 - 130	11	35
Toluene	0.100	0.09772		mg/Kg		98	70 - 130	12	35
Ethylbenzene	0.100	0.1077		mg/Kg		108	70 - 130	21	35
m-Xylene & p-Xylene	0.200	0.2381		mg/Kg		119	70 - 130	22	35
o-Xylene	0.100	0.1334	*+	mg/Kg		133	70 - 130	20	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-36503/5-A

Matrix: Solid

Analysis Batch: 36501

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		10/10/22 08:35	10/10/22 10:55	1
Toluene	0.001054	J	0.00200	0.000456	mg/Kg		10/10/22 08:35	10/10/22 10:55	1

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QC Sample Results

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-36503/5-A

Matrix: Solid

Analysis Batch: 36501

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		10/10/22 08:35	10/10/22 10:55	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		10/10/22 08:35	10/10/22 10:55	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		10/10/22 08:35	10/10/22 10:55	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		10/10/22 08:35	10/10/22 10:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	10/10/22 08:35	10/10/22 10:55	1
1,4-Difluorobenzene (Surr)	86		70 - 130	10/10/22 08:35	10/10/22 10:55	1

Lab Sample ID: MB 880-36587/5-A

Matrix: Solid

Analysis Batch: 36501

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		10/10/22 13:15	10/10/22 22:54	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		10/10/22 13:15	10/10/22 22:54	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		10/10/22 13:15	10/10/22 22:54	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		10/10/22 13:15	10/10/22 22:54	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		10/10/22 13:15	10/10/22 22:54	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		10/10/22 13:15	10/10/22 22:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10/10/22 13:15	10/10/22 22:54	1
1,4-Difluorobenzene (Surr)	84		70 - 130	10/10/22 13:15	10/10/22 22:54	1

Lab Sample ID: LCS 880-36587/1-A

Matrix: Solid

Analysis Batch: 36501

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09350		mg/Kg		93	70 - 130
Toluene	0.100	0.1003		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09771		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2053		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1046		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-36587/2-A

Matrix: Solid

Analysis Batch: 36501

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36587

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09306		mg/Kg		93	70 - 130	0	35
Toluene	0.100	0.09756		mg/Kg		98	70 - 130	3	35
Ethylbenzene	0.100	0.09462		mg/Kg		95	70 - 130	3	35

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QC Sample Results

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-36587/2-A

Matrix: Solid

Analysis Batch: 36501

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36587

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	0.200	0.1987		mg/Kg		99	70 - 130	3	35
o-Xylene	0.100	0.1013		mg/Kg		101	70 - 130	3	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	93		70 - 130						
1,4-Difluorobenzene (Surr)	93		70 - 130						

Lab Sample ID: 890-3163-1 MS

Matrix: Solid

Analysis Batch: 36501

Client Sample ID: S-1A

Prep Type: Total/NA

Prep Batch: 36587

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.000387	U F1 F2	0.0998	0.01619	F1	mg/Kg		16	70 - 130		
Toluene	0.000793	J F1 F2	0.0998	0.02961	F1	mg/Kg		29	70 - 130		
Ethylbenzene	<0.000567	U F1 F2	0.0998	0.03554	F1	mg/Kg		36	70 - 130		
m-Xylene & p-Xylene	<0.00101	U F1 F2	0.200	0.04898	F1	mg/Kg		25	70 - 130		
o-Xylene	<0.000345	U F1 F2	0.0998	0.02925	F1	mg/Kg		29	70 - 130		

Lab Sample ID: 890-3163-1 MSD

Matrix: Solid

Analysis Batch: 36501

Client Sample ID: S-1A

Prep Type: Total/NA

Prep Batch: 36587

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.000387	U F1 F2	0.0996	0.03750	F1 F2	mg/Kg		38	70 - 130	79	35
Toluene	0.000793	J F1 F2	0.0996	0.05387	F1 F2	mg/Kg		53	70 - 130	58	35
Ethylbenzene	<0.000567	U F1 F2	0.0996	0.05853	F1 F2	mg/Kg		59	70 - 130	49	35
m-Xylene & p-Xylene	<0.00101	U F1 F2	0.199	0.1308	F1 F2	mg/Kg		66	70 - 130	91	35
o-Xylene	<0.000345	U F1 F2	0.0996	0.06767	F1 F2	mg/Kg		68	70 - 130	79	35

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

Lab Sample ID: MB 880-36322/1-A

Matrix: Solid

Analysis Batch: 36315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36322

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 09:54	1
Diesel Range Organics (Over C10-C28)	17.24	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 09:54	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 09:54	1

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QC Sample Results

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	10/07/22 07:42	10/07/22 09:54	1
o-Terphenyl	97		70 - 130	10/07/22 07:42	10/07/22 09:54	1

Lab Sample ID: LCS 880-36322/2-A

Matrix: Solid

Analysis Batch: 36315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36322

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	920.4		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	985.5		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: LCSD 880-36322/3-A

Matrix: Solid

Analysis Batch: 36315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36322

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	992.9		mg/Kg		99	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	982.2		mg/Kg		98	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	110		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-36394/1-A

Matrix: Solid

Analysis Batch: 36739

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			10/11/22 20:54	1

Lab Sample ID: LCS 880-36394/2-A

Matrix: Solid

Analysis Batch: 36739

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.9		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-36394/3-A

Matrix: Solid

Analysis Batch: 36739

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	269.0		mg/Kg		108	90 - 110	4	20

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QC Sample Results

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-3163-7 MS

Client Sample ID: S-11A

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 36739

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	241	F1	249	489.4		mg/Kg		100	90 - 110

Lab Sample ID: 890-3163-7 MSD

Client Sample ID: S-11A

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 36739

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	241	F1	249	520.0	F1	mg/Kg		112	90 - 110	6	20

QC Association Summary

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

GC VOA

Prep Batch: 36450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-10	S-14A	Total/NA	Solid	5035	
MB 880-36450/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36450/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36450/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 36501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-1	S-1A	Total/NA	Solid	8021B	36587
890-3163-2	S-2A	Total/NA	Solid	8021B	36587
890-3163-3	S-3A	Total/NA	Solid	8021B	36587
890-3163-4	S-8A	Total/NA	Solid	8021B	36587
890-3163-5	S-9A	Total/NA	Solid	8021B	36587
890-3163-6	S-10A	Total/NA	Solid	8021B	36587
890-3163-7	S-11A	Total/NA	Solid	8021B	36587
890-3163-8	S-12A	Total/NA	Solid	8021B	36587
890-3163-9	S-13A	Total/NA	Solid	8021B	36587
MB 880-36503/5-A	Method Blank	Total/NA	Solid	8021B	36503
MB 880-36587/5-A	Method Blank	Total/NA	Solid	8021B	36587
LCS 880-36587/1-A	Lab Control Sample	Total/NA	Solid	8021B	36587
LCSD 880-36587/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36587
890-3163-1 MS	S-1A	Total/NA	Solid	8021B	36587
890-3163-1 MSD	S-1A	Total/NA	Solid	8021B	36587

Prep Batch: 36503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-36503/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 36587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-1	S-1A	Total/NA	Solid	5035	
890-3163-2	S-2A	Total/NA	Solid	5035	
890-3163-3	S-3A	Total/NA	Solid	5035	
890-3163-4	S-8A	Total/NA	Solid	5035	
890-3163-5	S-9A	Total/NA	Solid	5035	
890-3163-6	S-10A	Total/NA	Solid	5035	
890-3163-7	S-11A	Total/NA	Solid	5035	
890-3163-8	S-12A	Total/NA	Solid	5035	
890-3163-9	S-13A	Total/NA	Solid	5035	
MB 880-36587/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36587/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36587/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3163-1 MS	S-1A	Total/NA	Solid	5035	
890-3163-1 MSD	S-1A	Total/NA	Solid	5035	

Analysis Batch: 36624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-10	S-14A	Total/NA	Solid	8021B	36450
MB 880-36450/5-A	Method Blank	Total/NA	Solid	8021B	36450
LCS 880-36450/1-A	Lab Control Sample	Total/NA	Solid	8021B	36450
LCSD 880-36450/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36450

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QC Association Summary

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

GC VOA

Analysis Batch: 36642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-1	S-1A	Total/NA	Solid	Total BTEX	
890-3163-2	S-2A	Total/NA	Solid	Total BTEX	
890-3163-3	S-3A	Total/NA	Solid	Total BTEX	
890-3163-4	S-8A	Total/NA	Solid	Total BTEX	
890-3163-5	S-9A	Total/NA	Solid	Total BTEX	
890-3163-6	S-10A	Total/NA	Solid	Total BTEX	
890-3163-7	S-11A	Total/NA	Solid	Total BTEX	
890-3163-8	S-12A	Total/NA	Solid	Total BTEX	
890-3163-9	S-13A	Total/NA	Solid	Total BTEX	
890-3163-10	S-14A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 36315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-1	S-1A	Total/NA	Solid	8015B NM	36322
890-3163-2	S-2A	Total/NA	Solid	8015B NM	36322
890-3163-3	S-3A	Total/NA	Solid	8015B NM	36322
890-3163-4	S-8A	Total/NA	Solid	8015B NM	36322
890-3163-5	S-9A	Total/NA	Solid	8015B NM	36322
890-3163-6	S-10A	Total/NA	Solid	8015B NM	36322
890-3163-7	S-11A	Total/NA	Solid	8015B NM	36322
890-3163-8	S-12A	Total/NA	Solid	8015B NM	36322
890-3163-9	S-13A	Total/NA	Solid	8015B NM	36322
890-3163-10	S-14A	Total/NA	Solid	8015B NM	36322
MB 880-36322/1-A	Method Blank	Total/NA	Solid	8015B NM	36322
LCS 880-36322/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36322
LCSD 880-36322/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36322

Prep Batch: 36322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-1	S-1A	Total/NA	Solid	8015NM Prep	
890-3163-2	S-2A	Total/NA	Solid	8015NM Prep	
890-3163-3	S-3A	Total/NA	Solid	8015NM Prep	
890-3163-4	S-8A	Total/NA	Solid	8015NM Prep	
890-3163-5	S-9A	Total/NA	Solid	8015NM Prep	
890-3163-6	S-10A	Total/NA	Solid	8015NM Prep	
890-3163-7	S-11A	Total/NA	Solid	8015NM Prep	
890-3163-8	S-12A	Total/NA	Solid	8015NM Prep	
890-3163-9	S-13A	Total/NA	Solid	8015NM Prep	
890-3163-10	S-14A	Total/NA	Solid	8015NM Prep	
MB 880-36322/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36322/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36322/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 36583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-1	S-1A	Total/NA	Solid	8015 NM	
890-3163-2	S-2A	Total/NA	Solid	8015 NM	
890-3163-3	S-3A	Total/NA	Solid	8015 NM	
890-3163-4	S-8A	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 36583 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-5	S-9A	Total/NA	Solid	8015 NM	
890-3163-6	S-10A	Total/NA	Solid	8015 NM	
890-3163-7	S-11A	Total/NA	Solid	8015 NM	
890-3163-8	S-12A	Total/NA	Solid	8015 NM	
890-3163-9	S-13A	Total/NA	Solid	8015 NM	
890-3163-10	S-14A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 36394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-1	S-1A	Soluble	Solid	DI Leach	
890-3163-2	S-2A	Soluble	Solid	DI Leach	
890-3163-3	S-3A	Soluble	Solid	DI Leach	
890-3163-4	S-8A	Soluble	Solid	DI Leach	
890-3163-5	S-9A	Soluble	Solid	DI Leach	
890-3163-6	S-10A	Soluble	Solid	DI Leach	
890-3163-7	S-11A	Soluble	Solid	DI Leach	
890-3163-8	S-12A	Soluble	Solid	DI Leach	
890-3163-9	S-13A	Soluble	Solid	DI Leach	
890-3163-10	S-14A	Soluble	Solid	DI Leach	
MB 880-36394/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36394/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36394/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3163-7 MS	S-11A	Soluble	Solid	DI Leach	
890-3163-7 MSD	S-11A	Soluble	Solid	DI Leach	

Analysis Batch: 36739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-1	S-1A	Soluble	Solid	300.0	36394
890-3163-2	S-2A	Soluble	Solid	300.0	36394
890-3163-3	S-3A	Soluble	Solid	300.0	36394
890-3163-4	S-8A	Soluble	Solid	300.0	36394
890-3163-5	S-9A	Soluble	Solid	300.0	36394
890-3163-6	S-10A	Soluble	Solid	300.0	36394
890-3163-7	S-11A	Soluble	Solid	300.0	36394
890-3163-8	S-12A	Soluble	Solid	300.0	36394
890-3163-9	S-13A	Soluble	Solid	300.0	36394
890-3163-10	S-14A	Soluble	Solid	300.0	36394
MB 880-36394/1-A	Method Blank	Soluble	Solid	300.0	36394
LCS 880-36394/2-A	Lab Control Sample	Soluble	Solid	300.0	36394
LCSD 880-36394/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36394
890-3163-7 MS	S-11A	Soluble	Solid	300.0	36394
890-3163-7 MSD	S-11A	Soluble	Solid	300.0	36394

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Lab Chronicle

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Client Sample ID: S-1A

Lab Sample ID: 890-3163-1

Date Collected: 10/06/22 07:00

Matrix: Solid

Date Received: 10/06/22 10:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/10/22 23:15	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 15:50	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36394	10/07/22 15:14	CH	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 21:43	CH	EET MID

Client Sample ID: S-2A

Lab Sample ID: 890-3163-2

Date Collected: 10/06/22 07:05

Matrix: Solid

Date Received: 10/06/22 10:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/10/22 23:36	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 16:12	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	36394	10/07/22 15:14	CH	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 21:59	CH	EET MID

Client Sample ID: S-3A

Lab Sample ID: 890-3163-3

Date Collected: 10/06/22 07:10

Matrix: Solid

Date Received: 10/06/22 10:03

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	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/10/22 23:57	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 16:33	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	36394	10/07/22 15:14	CH	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 22:04	CH	EET MID

Client Sample ID: S-8A

Lab Sample ID: 890-3163-4

Date Collected: 10/06/22 07:15

Matrix: Solid

Date Received: 10/06/22 10:03

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	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/11/22 00:17	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Client Sample ID: S-8A

Lab Sample ID: 890-3163-4

Date Collected: 10/06/22 07:15

Matrix: Solid

Date Received: 10/06/22 10:03

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			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 16:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36394	10/07/22 15:14	CH	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 22:10	CH	EET MID

Client Sample ID: S-9A

Lab Sample ID: 890-3163-5

Date Collected: 10/06/22 07:20

Matrix: Solid

Date Received: 10/06/22 10:03

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	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/11/22 00:38	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 17:16	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36394	10/07/22 15:14	CH	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 22:15	CH	EET MID

Client Sample ID: S-10A

Lab Sample ID: 890-3163-6

Date Collected: 10/06/22 07:25

Matrix: Solid

Date Received: 10/06/22 10:03

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	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/11/22 00:59	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 17:38	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36394	10/07/22 15:14	CH	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 22:21	CH	EET MID

Client Sample ID: S-11A

Lab Sample ID: 890-3163-7

Date Collected: 10/06/22 07:30

Matrix: Solid

Date Received: 10/06/22 10:03

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	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/11/22 01:19	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 17:59	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Client Sample ID: S-11A

Date Collected: 10/06/22 07:30

Date Received: 10/06/22 10:03

Lab Sample ID: 890-3163-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	36394	10/07/22 15:14	CH	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 22:26	CH	EET MID

Client Sample ID: S-12A

Date Collected: 10/06/22 07:35

Date Received: 10/06/22 10:03

Lab Sample ID: 890-3163-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/11/22 01:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 18:21	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	36394	10/07/22 15:14	CH	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 22:43	CH	EET MID

Client Sample ID: S-13A

Date Collected: 10/06/22 07:40

Date Received: 10/06/22 10:03

Lab Sample ID: 890-3163-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/11/22 03:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 18:43	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36394	10/07/22 15:14	CH	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 22:48	CH	EET MID

Client Sample ID: S-14A

Date Collected: 10/06/22 07:45

Date Received: 10/06/22 10:03

Lab Sample ID: 890-3163-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	36450	10/08/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36624	10/11/22 11:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 19:04	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	36394	10/07/22 15:14	CH	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 23:04	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

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

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
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

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

Method Summary

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3163-1	S-1A	Solid	10/06/22 07:00	10/06/22 10:03	2
890-3163-2	S-2A	Solid	10/06/22 07:05	10/06/22 10:03	2
890-3163-3	S-3A	Solid	10/06/22 07:10	10/06/22 10:03	2
890-3163-4	S-8A	Solid	10/06/22 07:15	10/06/22 10:03	2
890-3163-5	S-9A	Solid	10/06/22 07:20	10/06/22 10:03	2
890-3163-6	S-10A	Solid	10/06/22 07:25	10/06/22 10:03	2
890-3163-7	S-11A	Solid	10/06/22 07:30	10/06/22 10:03	2
890-3163-8	S-12A	Solid	10/06/22 07:35	10/06/22 10:03	2
890-3163-9	S-13A	Solid	10/06/22 07:40	10/06/22 10:03	2
890-3163-10	S-14A	Solid	10/06/22 07:45	10/06/22 10:03	2



Environment Testing
Xerco

Houston, TX (261) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No:

Page 1 of 1
www.xenco.com

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

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

[illegible][illegible]

Total	200.7 / 6010	200.8 / 6020:	
8RCRA	13PPM	Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
TC1P / SPLP 6010: 8RCRA			Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U
			Hg: 1631 / 245.1 / 7470 / 7471

(Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno 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 Xeno. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated.)

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	10.10.22.1003			
2					
3					
4					
5					
6					

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3163-1

SDG Number: Lea County NM

Login Number: 3163

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: 890-3163-1

SDG Number: Lea County NM

Login Number: 3163

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 10/07/22 10:56 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	



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

November 02, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: KEMNITZ SOUTH AFL STATE 1

Enclosed are the results of analyses for samples received by the laboratory on 11/01/22 11:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/01/2022	Sampling Date:	10/31/2022
Reported:	11/02/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: S 1 A 3.5' (H225129-01)

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	11/01/2022	ND	1.85	92.5	2.00	3.86	
Toluene*	<0.050	0.050	11/01/2022	ND	2.05	102	2.00	3.67	
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.04	102	2.00	6.08	
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.19	103	6.00	6.62	
Total BTEX	<0.300	0.300	11/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 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	160	16.0	11/01/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	196	98.2	200	2.98	
DRO >C10-C28*	60.1	10.0	11/02/2022	ND	192	96.2	200	4.92	
EXT DRO >C28-C36	30.7	10.0	11/02/2022	ND					

Surrogate: 1-Chlorooctane 83.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.0 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

[illegible]



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

October 26, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: KEMNITZ SOUTH AFL STATE 1

Enclosed are the results of analyses for samples received by the laboratory on 10/24/22 13:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/24/2022	Sampling Date:	10/24/2022
Reported:	10/26/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: S - 1A 2.5' (H224986-01)

BTEX 8260B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/26/2022	ND	0.489	97.7	0.500	1.14	
Toluene*	<0.025	0.025	10/26/2022	ND	0.490	98.1	0.500	1.99	
Ethylbenzene*	<0.025	0.025	10/26/2022	ND	0.501	100	0.500	4.18	
Total Xylenes*	<0.075	0.075	10/26/2022	ND	1.53	102	1.50	2.31	
Total BTEX	<0.150	0.150	10/26/2022	ND					

Surrogate: Dibromofluoromethane 104 % 83.7-114

Surrogate: Toluene-d8 100 % 95.3-107

Surrogate: 4-Bromofluorobenzene 105 % 50.9-150

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/25/2022	ND	416	104	400	0.00	
TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/25/2022	ND	204	102	200	1.22	
DRO >C10-C28*	421	50.0	10/25/2022	ND	207	104	200	0.483	QM-07, QR-03
EXT DRO >C28-C36	179	50.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 79.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/24/2022	Sampling Date:	10/24/2022
Reported:	10/26/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: S - 2A 2.5' (H224986-02)

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/26/2022	ND	0.489	97.7	0.500	1.14	
Toluene*	<0.025	0.025	10/26/2022	ND	0.490	98.1	0.500	1.99	
Ethylbenzene*	<0.025	0.025	10/26/2022	ND	0.501	100	0.500	4.18	
Total Xylenes*	<0.075	0.075	10/26/2022	ND	1.53	102	1.50	2.31	
Total BTEx	<0.150	0.150	10/26/2022	ND					

Surrogate: Dibromofluoromethane 99.4 % 83.7-114

Surrogate: Toluene-d8 98.4 % 95.3-107

Surrogate: 4-Bromofluorobenzene 103 % 50.9-150

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	204	102	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	207	104	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 95.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/24/2022	Sampling Date:	10/24/2022
Reported:	10/26/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: S - 3A 2.5' (H224986-03)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/26/2022	ND	0.489	97.7	0.500	1.14	
Toluene*	<0.025	0.025	10/26/2022	ND	0.490	98.1	0.500	1.99	
Ethylbenzene*	<0.025	0.025	10/26/2022	ND	0.501	100	0.500	4.18	
Total Xylenes*	<0.075	0.075	10/26/2022	ND	1.53	102	1.50	2.31	
Total BTX	<0.150	0.150	10/26/2022	ND					

Surrogate: Dibromofluoromethane 97.6 % 83.7-114

Surrogate: Toluene-d8 99.0 % 95.3-107

Surrogate: 4-Bromofluorobenzene 102 % 50.9-150

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/25/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	204	102	200	1.22	
DRO >C10-C28*	61.0	10.0	10/25/2022	ND	207	104	200	0.483	
EXT DRO >C28-C36	70.7	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/24/2022	Sampling Date:	10/24/2022
Reported:	10/26/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: S - 8A 2.5' (H224986-04)

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	10/26/2022	ND	0.489	97.7	0.500	1.14		
Toluene*	<0.025	0.025	10/26/2022	ND	0.490	98.1	0.500	1.99		
Ethylbenzene*	<0.025	0.025	10/26/2022	ND	0.501	100	0.500	4.18		
Total Xylenes*	<0.075	0.075	10/26/2022	ND	1.53	102	1.50	2.31		
Total BTX	<0.150	0.150	10/26/2022	ND						

Surrogate: Dibromofluoromethane 97.0 % 83.7-114

Surrogate: Toluene-d8 98.1 % 95.3-107

Surrogate: 4-Bromofluorobenzene 101 % 50.9-150

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/25/2022	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	10/25/2022	ND	204	102	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	207	104	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 83.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/24/2022	Sampling Date:	10/24/2022
Reported:	10/26/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: S - 9A 2.5' (H224986-05)

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/26/2022	ND	0.489	97.7	0.500	1.14	
Toluene*	<0.025	0.025	10/26/2022	ND	0.490	98.1	0.500	1.99	
Ethylbenzene*	<0.025	0.025	10/26/2022	ND	0.501	100	0.500	4.18	
Total Xylenes*	<0.075	0.075	10/26/2022	ND	1.53	102	1.50	2.31	
Total BTEx	<0.150	0.150	10/26/2022	ND					

Surrogate: Dibromofluoromethane 97.5 % 83.7-114

Surrogate: Toluene-d8 97.9 % 95.3-107

Surrogate: 4-Bromofluorobenzene 101 % 50.9-150

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/25/2022	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	10/25/2022	ND	206	103	200	0.241	
DRO >C10-C28*	19.2	10.0	10/25/2022	ND	216	108	200	4.44	
EXT DRO >C28-C36	23.7	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 92.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/24/2022	Sampling Date:	10/24/2022
Reported:	10/26/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: S - 10A 2.5' (H224986-06)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/26/2022	ND	0.489	97.7	0.500	1.14	
Toluene*	<0.025	0.025	10/26/2022	ND	0.490	98.1	0.500	1.99	
Ethylbenzene*	<0.025	0.025	10/26/2022	ND	0.501	100	0.500	4.18	
Total Xylenes*	<0.075	0.075	10/26/2022	ND	1.53	102	1.50	2.31	
Total BTX	<0.150	0.150	10/26/2022	ND					

Surrogate: Dibromofluoromethane 103 % 83.7-114

Surrogate: Toluene-d8 102 % 95.3-107

Surrogate: 4-Bromofluorobenzene 102 % 50.9-150

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	10/25/2022	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	10/25/2022	ND	206	103	200	0.241	
DRO >C10-C28*	18.7	10.0	10/25/2022	ND	216	108	200	4.44	
EXT DRO >C28-C36	11.5	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 97.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/24/2022	Sampling Date:	10/24/2022
Reported:	10/26/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: S - 11A 2.5' (H224986-07)

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/26/2022	ND	0.489	97.7	0.500	1.14	
Toluene*	<0.025	0.025	10/26/2022	ND	0.490	98.1	0.500	1.99	
Ethylbenzene*	<0.025	0.025	10/26/2022	ND	0.501	100	0.500	4.18	
Total Xylenes*	<0.075	0.075	10/26/2022	ND	1.53	102	1.50	2.31	
Total BTEx	<0.150	0.150	10/26/2022	ND					

Surrogate: Dibromofluoromethane 103 % 83.7-114

Surrogate: Toluene-d8 103 % 95.3-107

Surrogate: 4-Bromofluorobenzene 102 % 50.9-150

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/25/2022	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	10/25/2022	ND	206	103	200	0.241	
DRO >C10-C28*	33.1	10.0	10/25/2022	ND	216	108	200	4.44	
EXT DRO >C28-C36	59.5	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Galton R Pous</u>		P.O. #: <u>606</u>		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>R Pous</u>		Company: <u>CEC</u>					
Address:		Attn: <u>Stacy Pous</u>					
City: State: Zip:		Address:					
Phone #: <u>575-441-0980</u> Fax #: <u>575-441-0980</u>		City: State: Zip:					
Project #: <u>200438.3060</u> Project Owner: <u>R Pous</u>		City: State: Zip:					
Project Name: <u>Item #17 South AFL 574+1</u>		Phone #:					
Project Location:		Fax #:					
Sampler Name: <u>R Pous</u>		PRESERV:		SAMPLING			
FOR LAB USE ONLY							
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS			
Matrix: GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE:		ICE / COOL		OTHER:	
Date: Time:		DATE		TIME			
Relinquished By: <u>Rebecca Davis</u>		Received By: <u>Stacy Pous</u>					
Relinquished Date: <u>10/24/22</u>		Received Date: <u>10/24</u>					
Time: <u>1:40</u>		Time: <u>11:05</u>					
Observed Temp. °C: <u>13.3</u>		Corrected Temp. °C: <u>12.7</u>					
Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact		CHECKED BY: (Initials) <u>TP</u>					
Turnaround Time: <u>Standard</u>		Bacteria (only) Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact					
Thermometer ID #113		Corrected Temp. °C: <u>12.7</u>					
Correction Factor -0.6°C							
Remarks:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:			
		All Results are emailed. Please provide Email address:					



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

October 03, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: KEMNITZ SOUTH AFL STATE 1

Enclosed are the results of analyses for samples received by the laboratory on 09/28/22 16:28.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: S - 1 A 2' (H224523-01)

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	10/01/2022	ND	1.97	98.3	2.00	2.15	
Toluene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	1.95	97.6	2.00	2.66	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	5.92	98.7	6.00	3.03	
Total BTEx	<0.300	0.300	10/01/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	09/30/2022	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	09/30/2022	ND	216	108	200	3.32	
DRO >C10-C28*	195	10.0	09/30/2022	ND	207	104	200	5.24	
EXT DRO >C28-C36	82.3	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 133 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/28/2022
 Reported: 10/03/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 A 2' (H224523-02)

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	10/01/2022	ND	1.97	98.3	2.00	2.15		
Toluene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	3.14		
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	1.95	97.6	2.00	2.66		
Total Xylenes*	<0.150	0.150	10/01/2022	ND	5.92	98.7	6.00	3.03		
Total BTEX	<0.300	0.300	10/01/2022	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	112	16.0	09/30/2022	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	09/30/2022	ND	216	108	200	3.32	
DRO >C10-C28*	275	10.0	09/30/2022	ND	207	104	200	5.24	
EXT DRO >C28-C36	158	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 88.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 120 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/28/2022
 Reported: 10/03/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 A 2' (H224523-03)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	2.15		
Toluene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	3.14		
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	1.95	97.6	2.00	2.66		
Total Xylenes*	<0.150	0.150	10/01/2022	ND	5.92	98.7	6.00	3.03		
Total BTX	<0.300	0.300	10/01/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	09/30/2022	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	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	445	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	176	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 96.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/28/2022
 Reported: 10/03/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 8 A 2' (H224523-04)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	2.15		
Toluene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	3.14		
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	1.95	97.6	2.00	2.66		
Total Xylenes*	<0.150	0.150	10/01/2022	ND	5.92	98.7	6.00	3.03		
Total BTX	<0.300	0.300	10/01/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	09/30/2022	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	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	667	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	327	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 122 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/28/2022
 Reported: 10/03/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 9 A 2' (H224523-05)

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	10/01/2022	ND	1.97	98.3	2.00	2.15	
Toluene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	1.95	97.6	2.00	2.66	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	5.92	98.7	6.00	3.03	
Total BTEX	<0.300	0.300	10/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	144	16.0	09/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	56.8	10.0	10/01/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	12.8	10.0	10/01/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 124 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/28/2022
 Reported: 10/03/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 10 A 2' (H224523-06)

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	10/01/2022	ND	1.97	98.3	2.00	2.15		
Toluene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	3.14		
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	1.95	97.6	2.00	2.66		
Total Xylenes*	<0.150	0.150	10/01/2022	ND	5.92	98.7	6.00	3.03		
Total BTEX	<0.300	0.300	10/01/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	14.7	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 86.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/28/2022
 Reported: 10/03/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 11 A 2' (H224523-07)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15		
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62		
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89		
Total BTX	<0.300	0.300	10/02/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	09/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	40.0	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: S - 12 A 2' (H224523-08)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15		
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62		
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89		
Total BTX	<0.300	0.300	10/02/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	25.9	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 82.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/28/2022
 Reported: 10/03/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 13 A 2' (H224523-09)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15		
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62		
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89		
Total BTX	<0.300	0.300	10/02/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	163	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	64.5	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 74.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: S - 14 A 2' (H224523-10)

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	10/02/2022	ND	1.85	92.7	2.00	9.15		
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62		
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89		
Total BTEX	<0.300	0.300	10/02/2022	ND						

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

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	09/30/2022	ND	432	108	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43		
DRO >C10-C28*	137	10.0	09/30/2022	ND	160	80.1	200	0.979		
EXT DRO >C28-C36	76.3	10.0	09/30/2022	ND						

Surrogate: 1-Chlorooctane 72.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/28/2022
 Reported: 10/03/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 15 A 2' (H224523-11)

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	10/02/2022	ND	1.85	92.7	2.00	9.15		
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62		
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89		
Total BTEX	<0.300	0.300	10/02/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	09/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	49.5	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	18.3	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 76.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.2 % 46.3-178

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Analytical Results For:

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

Received: 09/28/2022
 Reported: 10/03/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 16 A 2' (H224523-12)

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	10/02/2022	ND	1.85	92.7	2.00	9.15		
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62		
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89		
Total BTEX	<0.300	0.300	10/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	112	16.0	09/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	12.5	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 71.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.3 % 46.3-178

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Analytical Results For:

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

Received: 09/28/2022
 Reported: 10/03/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 17 A 2' (H224523-13)

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	10/02/2022	ND	1.85	92.7	2.00	9.15		
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62		
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89		
Total BTEX	<0.300	0.300	10/02/2022	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	176	16.0	09/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	47.0	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	14.5	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 76.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.3 % 46.3-178

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Analytical Results For:

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

Received: 09/28/2022
 Reported: 10/03/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 18 A 2' (H224523-14)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15		
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62		
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89		
Total BTX	<0.300	0.300	10/02/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	15.0	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 80.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.0 % 46.3-178

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Analytical Results For:

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

Received: 09/28/2022
 Reported: 10/03/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 19 A 2' (H224523-15)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15		
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62		
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89		
Total BTX	<0.300	0.300	10/02/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	39.9	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 71.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/28/2022
 Reported: 10/03/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 20 A 2' (H224523-16)

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	10/02/2022	ND	1.85	92.7	2.00	9.15		
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62		
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89		
Total BTEx	<0.300	0.300	10/02/2022	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	80.0	16.0	09/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	14.4	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 75.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.4 % 46.3-178

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Analytical Results For:

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

Received: 09/28/2022
 Reported: 10/03/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 21 A 2' (H224523-17)

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	10/02/2022	ND	1.85	92.7	2.00	9.15		
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62		
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89		
Total BTEX	<0.300	0.300	10/02/2022	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	176	16.0	09/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	36.3	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 73.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.1 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/28/2022
 Reported: 10/03/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 22 A 2' (H224523-18)

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	10/02/2022	ND	1.85	92.7	2.00	9.15		
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62		
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89		
Total BTEX	<0.300	0.300	10/02/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	09/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	38.3	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 75.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.1 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO ANALYSIS REQUEST 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476						
Company Name: Teton LPE Project Manager: R. Doss Address: 408 W Texas Ave City: Artesia State: NM Zip: 88210 Phone #: 575-746-8768 Fax #: Project #: 700438.300.01 Project Owner: EOG Project Name: Keene, AZ South AEL Project Location: Lea County, NM Sampler Name: J. Edwards, A. Parris			P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:			
FOR LAB USE ONLY						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING
				GROUNDWATER		
				WASTEWATER		
				SOIL		
				OIL		
				SLUDGE		
				OTHER:		
				ACID/BASE:		
				ICE / COOL		
				OTHER:		
				DATE	TIME	
H024523	5-1A	C	1	9-29-22	2:00	X
	5-2A			9-29-22	2:05	X
	5-3A				2:10	X
	5-8A				2:15	
	5-9A				2:20	
	5-10A				2:25	
	5-11A				2:30	
	5-12A				2:35	
	5-13A				2:40	
	5-14A				2:45	
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Relinquished By: [Signature]			Received By: [Signature]			
Date: 9-28-22			Date: 9-29-22			
Time: 10:28			Time: 2:00			
Delivered By: (Circle One)			Observed Temp. °C			
Sampler - UPS - Bus - Other:			Corrected Temp. °C			
Cool Intact			Sample Condition			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Cool <input type="checkbox"/> Intact			
CHECKED BY: [Initials]			THERMOMETER ID #113			
Turnaround Time: 10 f 2			Standard Rush			
Bacteria (only)			Sample Condition			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Observed Temp. °C			
Corrected Temp. °C						
REMARKS:						
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:						
All Results are emailed. Please provide Email address:						



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

September 23, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: KEMNITZ SOUTH AFL STATE 1

Enclosed are the results of analyses for samples received by the laboratory on 09/21/22 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/21/2022	Sampling Date:	09/12/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 1 (H224384-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2022	ND	1.98	99.0	2.00	1.40	
Toluene*	<0.050	0.050	09/22/2022	ND	1.92	95.9	2.00	0.382	
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.88	93.8	2.00	0.783	
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.81	96.8	6.00	0.548	
Total BTX	<0.300	0.300	09/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/22/2022	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2022	ND	192	95.9	200	8.33	
DRO >C10-C28*	<10.0	10.0	09/22/2022	ND	206	103	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	09/22/2022	ND					

Surrogate: 1-Chlorooctane 99.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/21/2022	Sampling Date:	09/12/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 2 (H224384-02)

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	09/22/2022	ND	1.98	99.0	2.00	1.40		
Toluene*	<0.050	0.050	09/22/2022	ND	1.92	95.9	2.00	0.382		
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.88	93.8	2.00	0.783		
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.81	96.8	6.00	0.548		
Total BTEX	<0.300	0.300	09/22/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/22/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2022	ND	192	95.9	200	8.33	
DRO >C10-C28*	<10.0	10.0	09/22/2022	ND	206	103	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	09/22/2022	ND					

Surrogate: 1-Chlorooctane 98.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/21/2022	Sampling Date:	09/12/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 3 (H224384-03)

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	09/22/2022	ND	1.98	99.0	2.00	1.40		
Toluene*	<0.050	0.050	09/22/2022	ND	1.92	95.9	2.00	0.382		
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.88	93.8	2.00	0.783		
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.81	96.8	6.00	0.548		
Total BTEX	<0.300	0.300	09/22/2022	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	48.0	16.0	09/22/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2022	ND	192	95.9	200	8.33	
DRO >C10-C28*	<10.0	10.0	09/22/2022	ND	206	103	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	09/22/2022	ND					

Surrogate: 1-Chlorooctane 99.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/21/2022
 Reported: 09/23/2022
 Project Name: KEMNITZ SOUTH AFL STATE 1
 Project Number: 700438.300.01
 Project Location: EOG - LEA CO NM

Sampling Date: 09/12/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 4 (H224384-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/22/2022	ND	1.98	99.0	2.00	1.40		
Toluene*	<0.050	0.050	09/22/2022	ND	1.92	95.9	2.00	0.382		
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.88	93.8	2.00	0.783		
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.81	96.8	6.00	0.548		
Total BTX	<0.300	0.300	09/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/22/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2022	ND	192	95.9	200	8.33	
DRO >C10-C28*	<10.0	10.0	09/22/2022	ND	206	103	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	09/22/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



Appendix V

NMOCD

C-141

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	nAPP2224439131
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	EOG Resources, Inc.	OGRID	7377
Contact Name	Jeremy Haass	Contact Telephone	575-748-1471
Contact email	Jeremy_Haass@eogresources.com	Incident #	nAPP2224439131
Contact mailing address	104 S. 4th Street, Artesia, NM 88210		

Location of Release Source

Latitude 32.87302 Longitude -103.59812
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Kemnitz South AFL State #1	Site Type	Well Pad
Date Release Discovered	9/1/2022	API#	30-025-31636

Unit Letter	Section	Township	Range	County
O	31	16S	34E	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)

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

Cause of Release

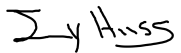
Historical impacts were discovered during the decommissioning of the location. The environmental consultant contracted to investigate the area determined on 9/1/2022 based on impacted area footprint, that the release more than likely breached the reportable volume threshold.

Incident ID	
District RP	
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Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Jeremy Haass</u>	Title: <u>Sr. Safety & Environmental Specialist</u>
Signature: <u></u>	Date: <u>9/1/2022</u>
email: <u>jeremy_haass@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	nAPP2224439131
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Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

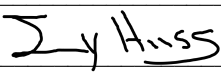
Characterization Report Checklist: *Each of the following items must be included in the report.*

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

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

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

Printed Name: Jeremy Haass Title: Sr. Environmental Specialist
Signature:  Date: 11/30/2022
email: jeremy_haass@eogresources.com Telephone: 575-748-4311

OCD Only

Received by: Jocelyn Harimon Date: 11/30/2022

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Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

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Closure

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

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

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

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

Printed Name: Jeremy Haass

Title: Sr. Safety & Environmental Specialist

Signature: 

Date: 11/30/22

email: jeremy_Haass@eogresources.com

Telephone: 575-748-1471

OCD Only

Received by: Jocelyn Harimon

Date: 11/30/2022

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

Closure Approved by: 

Date: 01/04/2023

Printed Name: Jennifer Nobui

Title: Environmental Specialist A

Rebecca Pons

From: Jeremy Haass <Jeremy_Haass@eogresources.com>
Sent: Tuesday, September 6, 2022 10:21 AM
To: Rebecca Pons
Subject: FW: [EXTERNAL] Kemnitz South AFL State 1 (nAPP2224439131) Sampling Notification

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

FYI

Jeremy Haass

Safety & Environmental Specialist

EOG Resources – Artesia Division

104 S. 4th Street

Artesia, NM 88210

Office: (575) 748-4311

Fax: (575) 748-4131

Cell: (575) 513-9235

jeremy_haass@eogresources.com



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Tuesday, September 6, 2022 10:21 AM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Kemnitz South AFL State 1 (nAPP2224439131) Sampling Notification

FYI

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Tuesday, September 6, 2022 10:20 AM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: 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: RE: [EXTERNAL] Kemnitz South AFL State 1 (nAPP2224439131) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Tina

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: Tina Huerta <Tina.Huerta@eogresources.com>

Sent: Tuesday, September 6, 2022 10:18 AM

To: mnaranjo@slo.state.nm.us; rmann@slo.state.nm.us; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>

Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>

Subject: [EXTERNAL] Kemnitz South AFL State 1 (nAPP2224439131) Sampling Notification

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

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Kemnitz South AFL State 1

O-31-16S-34E

Lea County, NM

nAPP2224439131

Sampling will begin at 1:00 p.m. on Thursday, September 8, 2022.

Thank you,

Tina Huerta

Regulatory Specialist

Direct: 575.748.4168

Cell: 575.703.3121

Email: tina_huerta@eogresources.com



Artesia Division



Appendix VI

Seed Tag

Artis Seed
PROUSLY

BLM 2 Mixture
Lot #: 2599

Bag Wt: 20.37

	% Mix	Origin	Purity	Germ	Dormant	Total Germ:	Test Date
grass, Variety Not Stated	50.95%	Oklahoma	99.47%	0.00%	0.00%	88.00%	7/2022
Seed, Variety Not Stated	24.39%	Colorado	98.63%	21.00%	77.00%	98.00%	5/2022
grass, Bend	24.01%	Texas	99.85%	77.00%	21.00%	98.00%	5/2022
ed Mix	0.00%		99.35%	32.42%	44.58%	77.00%	7/2022
	99.35%						
er:	0.63%						
ed:	0.01%						
rop:	0.01%						

is Weed: None

Texas Permit: 2772

Bagged into 1) 2.25 acre broadcasted bag
@ 20.367 bulk pounds. Plant at 9.052
pounds per acre and 2.263 pounds per

com

4500 North Prince, Clovis, NM 88101

(575) 762-4759

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 162760

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 162760
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	1/4/2023