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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 by 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 t | o Groundwater | 120 Feet/bgs |
|---------------------|---|--------------|
| ☐Yes ⊠No | Within 300 feet of any continuously flowing watercourse or any other significant watercourse | |
| □Yes ⊠No | Within 200 feet of any lakebed, sinkhole or a playa lake | |
| □Yes ⊠No | Within 300 feet from an occupied permanent residence, school, hospital, institution or church | |
| □Yes ⊠No | Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes | |
| □Yes ⊠No | Within 1000 feet of any freshwater well or spring | |
| □Yes ⊠No | Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978 | |
| □Yes ⊠No | Within 300 feet of a wetland | |
| □Yes ⊠No | Within the area overlying a subsurface mine | |
| □Yes ⊠No | Within an unstable area | |
| □Yes ⊠No | Within a 100-year floodplain | |

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:

| | Tab Closure Criteria for Soils | ole I s 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 CI 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 (SM4500Cl-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 I08/16/2022 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 |
|--------------|------------------------------|-------------------|---------------|------------------|------------------------|--------------|--------------|-----------------------|--------------|
| | CD Table 1 (ria 19.15.29 | | 50 mg/kg | 10 mg/kg | DRO - combine mg | | | 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 IIConfirmation 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 |
|-----------|----------------------------------|----------------|---------------|------------------|--------------|--------------------|--------------|--------------------|--------------------|
| | Table 1 Closure 19.15.29 NMAC | | 50 mg/kg | 10 mg/kg | DRO + GRO | + MRO com mg/kg | bined = 100 | 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 |

See Appendix IV for the complete report of laboratory results.

On October 17, 2022, Talon personnel and equipment had completed the excavation and soil rememediation activities at the Kemnitz 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 personnl revisted 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 laboratorie 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 |
|-----------|----------------------------------|----------------|---------------|------------------|--------------|--------------------|--------------|--------------------|--------------------|
| | Table 1 Closure 19.15.29 NMAC | Criteria | 50 mg/kg | 10 mg/kg | DRO + GRO | + MRO com mg/kg | bined = 100 | 100 mg/kg | 600 mg/kg |
| TT 1-2 | 8/31/2022 | 1.5' | ND | ND | ND | ND | ND | - | 272 |
| | 10/6/2022 | 2.5 R | ND | ND | 29.8 | 92.3 | 18.1 | 140 | 170 |
| S-1A | 10/24/2022 | 2.5' | ND | ND | ND | 421 | 179 | 600 | 32 |
| 3-1A | 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 |
| 3-ZA | 10/24/2022 | 2.5' | ND | ND | ND | ND | ND | - | 32 |
| | 10/6/2022 | 2.5R | 0.00118 | ND | 19.5 | 95 | 19.1 | 134 | 163 |
| S-3A | 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 |
| C 0A | 10/6/2022 | 2.5R | 0.00109 | 0.000452 | 23 | 77.9 | ND | 101 | 160 |
| S-8A | 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 |
| 3-9A | 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 |
| 3-10A | 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 |
| 3-11A | 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. Confimration 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



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed)

POD

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

| | | POD Sub- | | o | Q | o | | | | | | | | w | ater |
|-------------------|------|-------------|--------|---|---|---|----|-----|-----|--------|-----------|------------|------------|-----|------|
| POD Number | Code | | County | _ | _ | _ | | Tws | Rng | X | Y | DistanceDe | pthWellDep | | |
| <u>L 06876</u> | | L | LE | 4 | 4 | 2 | 06 | 17S | 34E | 631676 | 3637166* | 1056 | 191 | 120 | 71 |
| <u>L 09169</u> | | L | LE | 3 | 1 | 1 | 32 | 16S | 34E | 631846 | 3639195* | 1313 | 180 | 60 | 120 |
| <u>L 09831</u> | | L | LE | | 4 | 2 | 01 | 17S | 33E | 630034 | 3637246* | 1394 | 200 | | |
| <u>L 09832</u> | | L | LE | | 3 | 3 | 06 | 17S | 34E | 630449 | 3636447* | 1778 | 200 | | |
| <u>L 03527</u> | | L | LE | 1 | 2 | 2 | 36 | 16S | 33E | 629907 | 3639359* | 1781 | 278 | 125 | 153 |
| <u>L 05298</u> | | L | LE | | | 3 | 30 | 16S | 34E | 630606 | 3639870* | 1868 | 145 | 94 | 51 |
| <u>L 05690</u> | | L | LE | | 4 | 4 | 32 | 16S | 34E | 633170 | 3638112* | 2020 | 465 | 100 | 365 |
| <u>L 03750</u> | | L | LE | | 4 | 1 | 01 | 17S | 33E | 629228 | 3637230* | 2101 | 180 | 150 | 30 |
| <u>L 03529 S</u> | | L | LE | 1 | 1 | 4 | 30 | 16S | 34E | 631030 | 3640184* | 2105 | 260 | 170 | 90 |
| <u>L 03529</u> | | L | LE | 4 | 3 | 2 | 30 | 16S | 34E | 631224 | 3640386* | 2305 | 260 | 120 | 140 |
| <u>L 03477</u> | | L | LE | 3 | 3 | 2 | 30 | 16S | 34E | 631024 | 3640386* | 2307 | 150 | 115 | 35 |
| <u>L 03527 S</u> | | L | LE | 1 | 1 | 3 | 36 | 16S | 33E | 628715 | 3638131* | 2435 | 250 | 160 | 90 |
| <u>L 06821</u> | | L | LE | 2 | 1 | 1 | 04 | 17S | 34E | 633680 | 3637800* | 2546 | 180 | 65 | 115 |
| <u>L 07638</u> | | L | LE | 2 | 2 | 4 | 07 | 17S | 34E | 631710 | 3635356* | 2782 | 206 | 140 | 66 |
| <u>L 03476</u> | | L | LE | | 2 | 1 | 30 | 16S | 34E | 630717 | 3640882* | 2833 | 166 | 115 | 51 |
| <u>L 03306</u> | | L | LE | | 2 | 2 | 30 | 16S | 34E | 631521 | 3640897* | 2839 | 190 | 125 | 65 |
| L 14136 POD1 | | L | LE | 3 | 3 | 2 | 12 | 17S | 33E | 629604 | 3635569 | 2949 | 245 | 141 | 104 |
| <u>L 03427</u> | | L | LE | 1 | 1 | 1 | 29 | 16S | 34E | 631822 | 3641003* | 2997 | 170 | 118 | 52 |
| <u>L 03397</u> | | L | LE | | 2 | 2 | 25 | 16S | 33E | 629987 | 3640869* | 3019 | 160 | 124 | 36 |
| <u>L 10289</u> | | L | LE | | 2 | 2 | 25 | 16S | 33E | 629987 | 3640869* | 3019 | 200 | | |
| <u>L 01880 S3</u> | | L | LE | 1 | 4 | 1 | 12 | 17S | 33E | 629148 | 3635720* | 3095 | 268 | 155 | 113 |
| L 12701 POD1 | | L | | | | | | | | 630011 | 3640983 🌑 | 3117 | 235 | | |
| L 03529 S2 | | L | LE | 4 | 4 | 4 | 19 | 16S | 34E | 631614 | 3641198* | 3150 | 262 | 116 | 146 |
| <u>L 03782</u> | | L | LE | 4 | 4 | 4 | 02 | 17S | 33E | 628532 | 3636311* | 3160 | 183 | 151 | 32 |
| <u>L 10212</u> | | L | LE | | 4 | 4 | 02 | 17S | 33E | 628433 | 3636412* | 3188 | 273 | 168 | 105 |
| L 14592 POD1 | | L | LE | 3 | 4 | 1 | 12 | 17S | 33E | 629053 | 3635531 | 3301 | 300 | 180 | 120 |
| <u>L 06172</u> | | L | LE | | 3 | 3 | 08 | 17S | 34E | 632019 | 3634860* | 3337 | 202 | 140 | 62 |
| <u>L 03909</u> | | L | LE | | 3 | 1 | 25 | 16S | 33E | 628785 | 3640445* | 3342 | 180 | 120 | 60 |
| <u>L 03574</u> | | L | LE | | 2 | 1 | 25 | 16S | 33E | 629182 | 3640855* | 3400 | 160 | 115 | 45 |
| <u>L 04049</u> | | L | LE | | 3 | 1 | 28 | 16S | 34E | 633537 | 3640532* | 3420 | 160 | 118 | 42 |
| <u>L 03490</u> | | L | LE | | 4 | 3 | 20 | 16S | 34E | 632319 | 3641314* | 3437 | 167 | 110 | 57 |
| <u>L 04935</u> | | L | LE | | 2 | 1 | 02 | 17S | 33E | 627614 | 3637606* | 3567 | 204 | 162 | 42 |
| L 03527 S2 | | L | LE | 3 | 4 | 3 | 35 | 16S | 33E | 627508 | 3637911* | 3645 | 275 | 138 | 137 |

| 2.94 PMD. 11/3nm | wristose sta | ite:hin:u | s/nmwrr | s/Re | еро | rtPı | roxy′ | query? | /Data= | %7B"report | :"%3A"waterColur | nn"%2C%0 <i>F</i> | \"BasinDiv"% | 63A"true 🖔 | 86%6A01. |
|------------------|--------------|-----------|---------|------|-----|------|-------|-------------|--------|------------|------------------|-------------------|--------------|------------|----------|
| 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 | 17 S | 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 <u>07696</u> | | 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 <u>05297</u> | | 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

<u>UTMNAD83 Radius Search (in meters):</u>

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.

8/5/22 2:53 PM

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*

9

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 Rcv Date:

Depth Well:

Source:

Depth Water:

Shallow

120 feet

Pump Type: Casing Size: Pipe Discharge Size:

Est

Estimated Yield:

Water Bearing Stratifications:

7.00

Top Bottom Description

191 feet

191 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

130

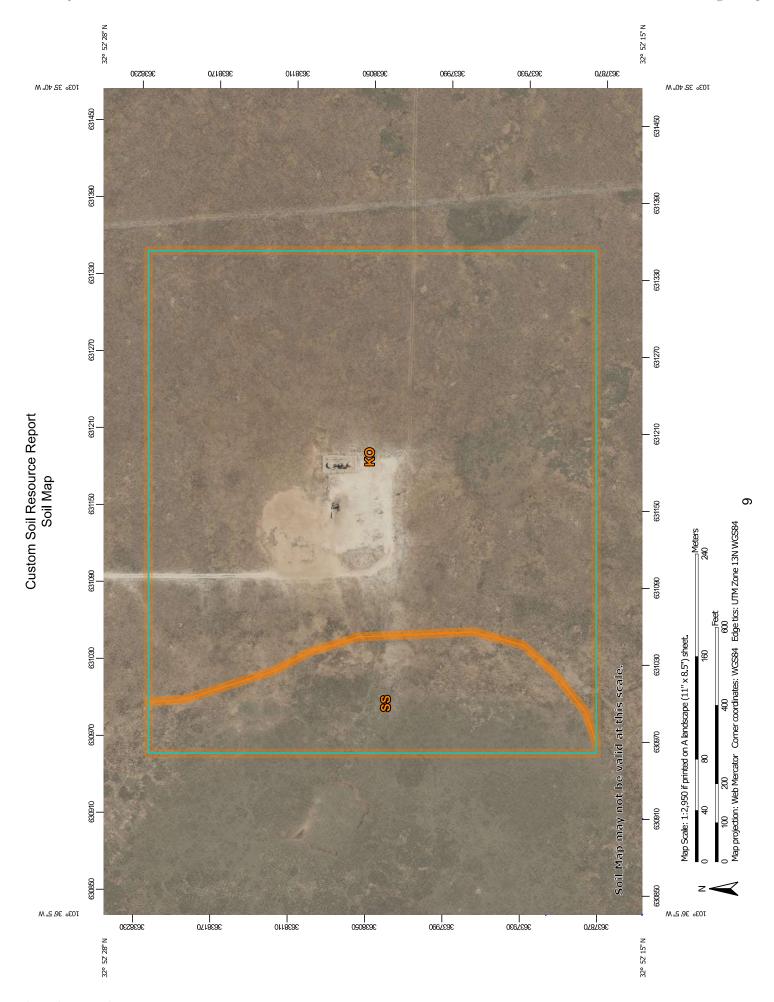
120 190

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

8/5/22 2:54 PM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



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

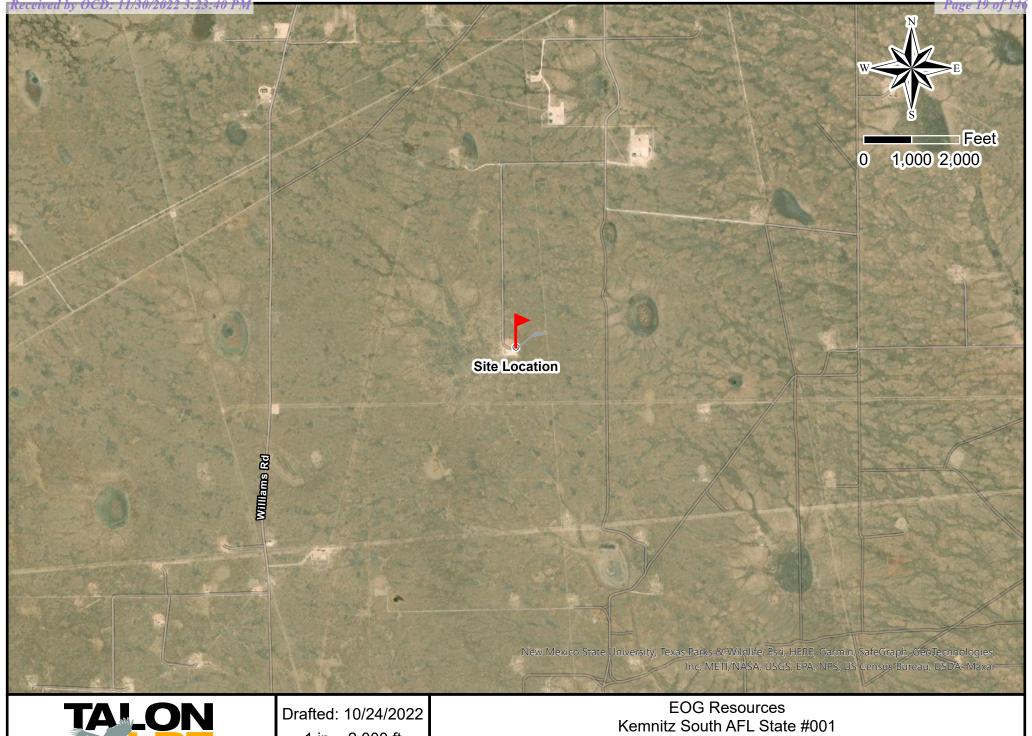


TALON Released to Imaging: 1/4/2023 2:35:09 PM

1 in = 30 ft

Drafted By: JAI

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

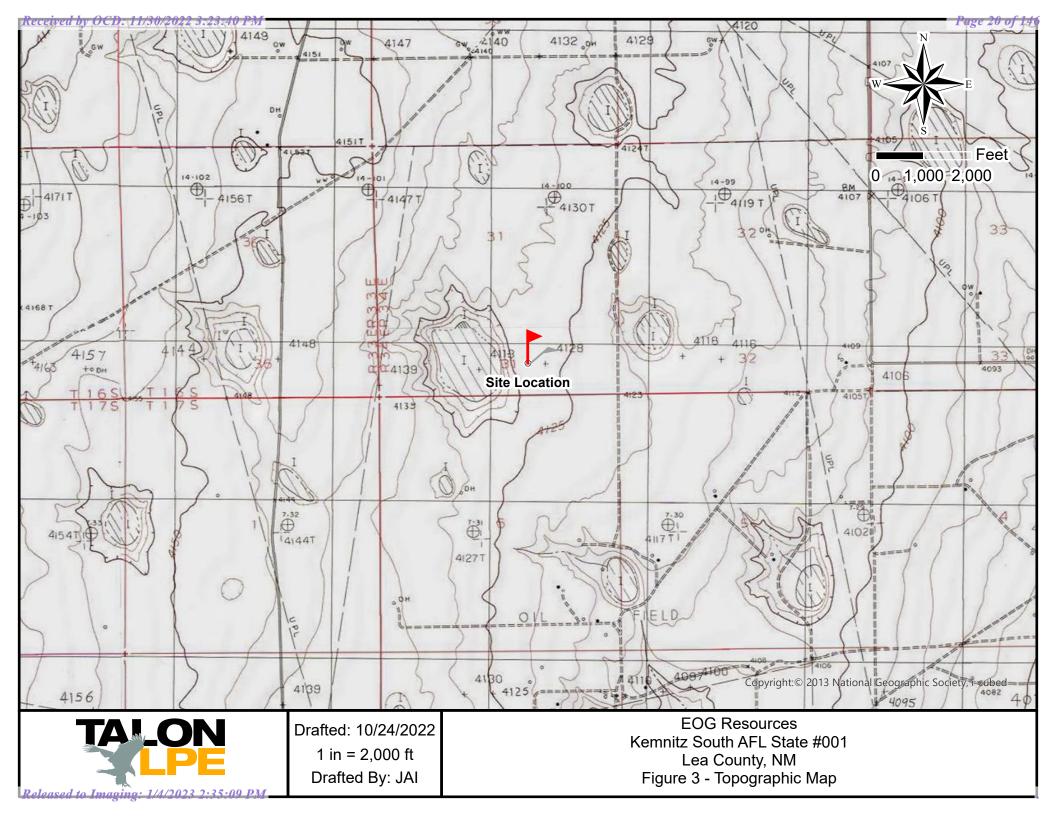


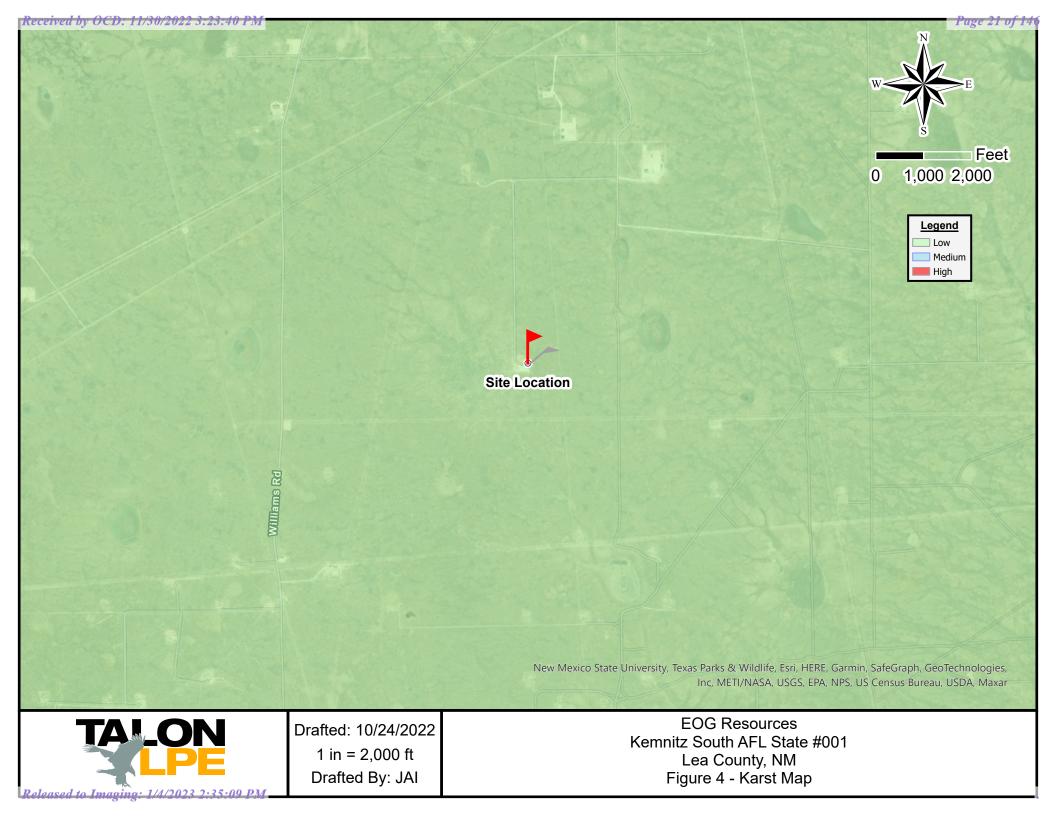
Released to Imaging: 1/4/2023 2:35:00 PM

1 in = 2,000 ft

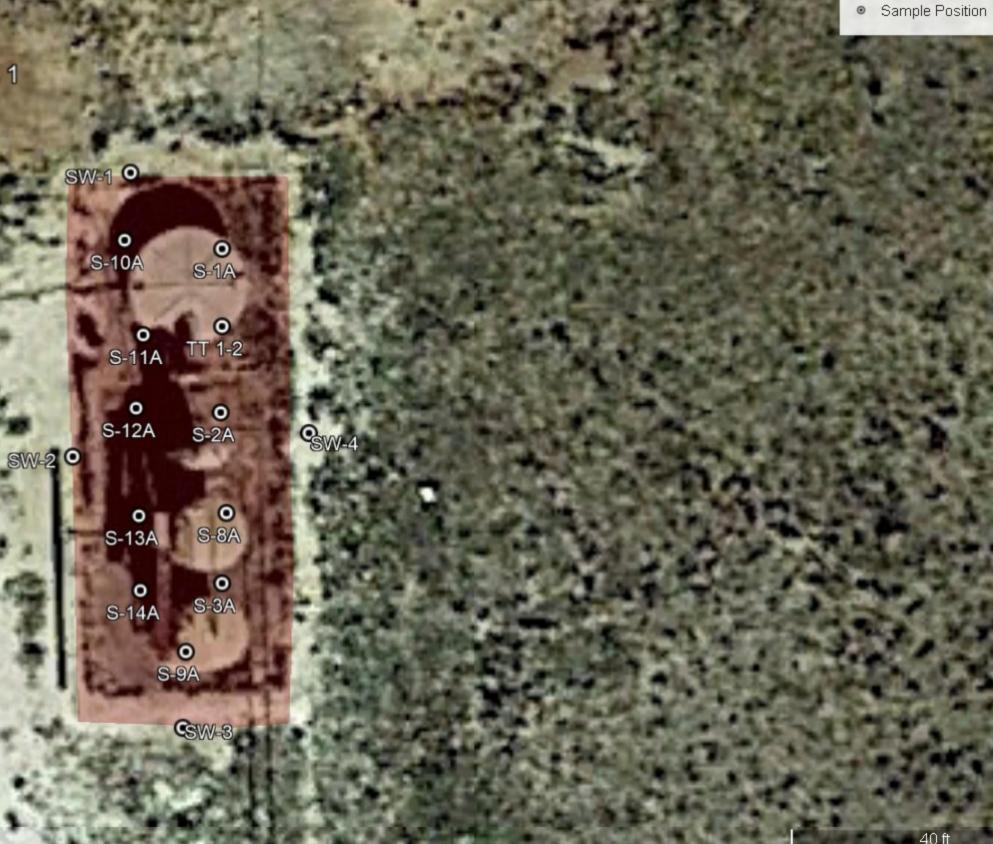
Drafted By: JAI

Lea County, NM Figure 2 - Vicinity Map









Page 22 of 146

Legend

Excavation

Kemnitz South AFL State 1



Appendix III

Photographic Documentation





Photograph No.1 Description:

Site marker on pad.



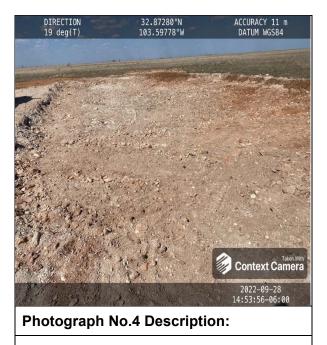
Photograph No.2 Description:

Impacted area in containment area.



Photograph No.3 Description:

Area of excavation, view to the south.



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



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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

A ... - I. ... - - I D. ... 311 /

Project Location: EOG - LEA CO NM

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

| BTEX 8021B | mg, | /kg | Analyze | d 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 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.5 | % 46.3-17 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



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

ecovery.

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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Celeg D. Freene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| ANALYSIS REQUEST |
|--|
| BILL 10 |
| P.O.# |
| Company: |
| Zip: 88210 Attn: |
| Address: |
| City: |
| State: Zip: |
| Phone #: |
| Fax #: |
| MATRIX PRESERV SAMPLING |
| TER |
| GROUNDW WASTEWA' SOIL OIL SLUDGE OTHER: ACID/BASE ICE / COOL OTHER: TIME CL TOTHER: TIME |
| |
| |
| |
| |
| |
| PLEASE NOTE: Liability and Damages. Cardinat's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the applicable analyses. At claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in willing and received by Cardinal within 30 days after completion of the applicable of the app |
| Yes |
| ☐ Yes ☐ No |
| MOLLOS SUNCEMARKS: |
| Received By: |
| |
| |
| Yes Yes |
| O.3° #113 No No YO |



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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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)

| BTEX 8021B | mg/ | /kg | Analyze | d 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 BTEX | 1.64 | 0.300 | 08/12/2022 | ND | | | | | GC-NC1 |
| Surrogate: 4-Bromofluorobenzene (PID | 202 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyze | d 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 | Analyze | d 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 9 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 130 9 | % 42.5-16 | 1 | | | | | | |

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Celey & Keene



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 - 2 0-1' R (H223607-02)

| BTEX 8021B | mg, | /kg | Analyze | d 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 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyze | d 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 | Analyze | d 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 | % 42.5-16 | 1 | | | | | | |

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Celeg D. Keene



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 Sample Received By: Project Number: 700438.300.01 Shalyn Rodriguez

Project Location: EOG - LEA CO NM

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

| BTEX 8021B | mg/ | 'kg | Analyze | d 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 BTEX | 8.78 | 1.20 | 08/12/2022 | ND | | | | | GC-NC1 |
| Surrogate: 4-Bromofluorobenzene (PID | 208 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | /kg | Analyze | d 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 | Analyze | d 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 9 | % 43-149 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 626 | % 42.5-16 | 1 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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

Applyzod By: 14

Project Location: EOG - LEA CO NM

ma/ka

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

RTFY 8021R

| B1EX 8021B | тд/кд | | 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 % 69.9-14 | | 0 | | | | | | |
| 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 | % 42.5-16. | 1 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



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

Applyzod By: 14

Project Location: EOG - LEA CO NM

ma/ka

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

RTFY 8021R

| BIEX 8021B | тд/кд | | 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 % 69.9-14 | | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 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 | % 42.5-16. | 1 | | | | | | |
| | | | | | | | | | |

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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 - 6 0 (H223607-06)

| BTEX 8021B | mg | /kg | Analyze | d 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 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d 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 | Analyze | d 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 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine

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

Analyzed By: JH

Project Location: EOG - LEA CO NM

mg/kg

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

BTEX 8021B

| | 9, | 9 | 7 | 7: : | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| 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 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d 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 | % 42.5-16 | 1 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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 LPF | |
|---|--|
| Project Manager: R. Pons | PO#: ANALYSIS REQUEST |
| Address: 408 W. Texas Ave | |
| city: Artesia state: NM zip: 88210 | Attn: |
| | Address: |
| Project #: 700438.300.01 Project Owner: EOG | City: |
| Project Name: Kemnitz South AFL State 1 | |
| Project Location: Lea County, NM | Phone # |
| Sampler Name: J. Carnes | |
| FOR LAB USE ONLY MATRIX | ESERV. SAMPLING |
| ER R | الم الم |
| TAINER NDWAT EWATE | ASE: |
| (G)RAB# CONT | |
| € X | K CLOS X |
| | 8:20 |
| 0 | |
| S-5 | 8.00 |
| | 20,400 |
| 0-7 | \$2.50 1 1 1 |
| PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or toot shall be limited to the amount and be the contract. | Tot shall be limited to the amount and for the state of t |
| service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business made in writing and received by Cardinal within 30 days after completion of the applicable affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Relinquished By: | ed unless made in writing and received by Cardinal within 30 days after completion of the applicable ation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, talked to the such claim is based upon any of the above stated reasons or otherwise. |
| 1 (0.00) | |
| Pelinquished By: Date: Received By: | REMARKS: |
| | |
| Sampler - UPS - Bus - Other: -0.8° #13 Cool Intact Cool Intact Pres | CHECKED BY: |
| es | 75) 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

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

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 1/4/2023 2:35:09 PM

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

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

1

2

3

5

6

8

4.0

111

13

Client: Talon/LPE Laboratory Job ID: 890-3303-1
Project/Site: EOG Kimnets SDG: 700438-300.01

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Definitions/Glossary

Client: Talon/LPE Job ID: 890-3303-1 Project/Site: EOG Kimnets

SDG: 700438-300.01

Qualifiers

GC VOA Qualifier

В Compound was found in the blank and sample.

Qualifier Description

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

S1-Surrogate recovery exceeds control limits, 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.

В 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**

Indicates the analyte was analyzed for but not detected.

Glossary

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

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery **CFL** Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample DL, RA, RE, IN

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Talon/LPE

Project/Site: 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: Talon/LPE Job ID: 890-3303-1
Project/Site: EOG Kimnets SDG: 700438-300.01

Client Sample ID: S-1A Lab Sample ID: 890-3303-1

Date Collected: 10/27/22 13:10

Date Received: 10/27/22 15:05

Matrix: Solid

Sample Depth: 3

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fa |
|---|----------------|------------------------|--------------|-----------|-------|---|----------------|----------------|--------|
| Benzene | 0.0129 | | 0.00202 | 0.000388 | mg/Kg | | 10/31/22 09:15 | 10/31/22 14:28 | |
| Toluene | 0.00155 | J | 0.00202 | 0.000460 | mg/Kg | | 10/31/22 09:15 | 10/31/22 14:28 | |
| Ethylbenzene | <0.000570 | U | 0.00202 | 0.000570 | mg/Kg | | 10/31/22 09:15 | 10/31/22 14:28 | |
| m-Xylene & p-Xylene | <0.00102 | U | 0.00403 | 0.00102 | mg/Kg | | 10/31/22 09:15 | 10/31/22 14:28 | |
| o-Xylene | < 0.000347 | U | 0.00202 | 0.000347 | mg/Kg | | 10/31/22 09:15 | 10/31/22 14:28 | |
| Xylenes, Total | <0.00102 | U | 0.00403 | 0.00102 | mg/Kg | | 10/31/22 09:15 | 10/31/22 14:28 | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fa |
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 | | | | 10/31/22 09:15 | 10/31/22 14:28 | |
| 1,4-Difluorobenzene (Surr) | 113 | | 70 - 130 | | | | 10/31/22 09:15 | 10/31/22 14:28 | |
| Method: TAL SOP Total BTE | X - Total BTE | X Calculat | ion | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total BTEX | 0.0145 | | 0.00403 | 0.00102 | mg/Kg | | | 10/31/22 15:09 | |
| Method: SW846 8015 NM - I |)iesel Range (| Organics (| DRO) (GC) | | | | | | |
| Analyte | _ | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total TPH | 443 | | 49.8 | 14.9 | mg/Kg | | | 10/31/22 15:00 | |
| Method: SW846 8015B NM - | Diesel Range | Organics | (DRO) (GC |) | | | | | |
| Analyte | _ | Qualifier | RL | • | Unit | D | Prepared | Analyzed | Dil Fa |
| Gasoline Range Organics (GRO)-C6-C10 | 44.0 | JB | 49.8 | 14.9 | mg/Kg | | 10/31/22 10:25 | 10/31/22 13:29 | |
| Diesel Range Organics (Over C10-C28) | 319 | B *+ | 49.8 | 14.9 | mg/Kg | | 10/31/22 10:25 | 10/31/22 13:29 | |
| Oll Range Organics (Over C28-C36) | 80.0 | В | 49.8 | 14.9 | mg/Kg | | 10/31/22 10:25 | 10/31/22 13:29 | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil F |
| 1-Chlorooctane | 84 | | 70 - 130 | | | | 10/31/22 10:25 | 10/31/22 13:29 | _ |
| o-Terphenyl | 91 | | 70 - 130 | | | | 10/31/22 10:25 | 10/31/22 13:29 | |
| • | | | | | | | | | |
| Method: MCAWW 300.0 - Ar | ions, Ion Chr | omatogra | ohy - Solubl | le | | | | | |
| Method: MCAWW 300.0 - Ar Analyte | | omatograp Qualifier | ohy - Solubl | le MDL | Unit | D | Prepared | Analyzed | Dil Fa |

Client Sample ID: S-3A

Date Collected: 10/27/22 13:21

Lab Sample ID: 890-3303-2

Matrix: Solid

Date Collected: 10/27/22 13:21 Date Received: 10/27/22 15:05

Sample Depth: 3

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|------------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Benzene | 0.00114 | JB | 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 |

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Client Sample Results

Client: Talon/LPE Job ID: 890-3303-1 Project/Site: EOG Kimnets SDG: 700438-300.01

Lab Sample ID: 890-3303-2

Client Sample ID: S-3A Date Collected: 10/27/22 13:21 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 BTE | X Calculation | 1 | | | | | | |
|----------------------------|-----------|---------------|---------|---------|-------|---|----------|----------------|---------|
| 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 - Die | sel Range O |)rganics (D | RO) (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 - D | Diesel Range | Organics | (DRO) (GC) | | | | | | |
|---|--------------|-----------------|------------|------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | 18.7 | JB | 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 |
| Oll 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 |

| 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 |
| Г., ., | | | | | |

| 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 |

Surrogate Summary

Client: Talon/LPE Job ID: 890-3303-1 Project/Site: EOG Kimnets SDG: 700438-300.01

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

| | | | Per |
|--------------------|------------------------|----------|----------|
| | | BFB1 | DFBZ1 |
| Lab Sample ID | Client Sample ID | (70-130) | (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

| | | | Percen | Surrogate Recovery (Acceptance Limits) |
|--------------------|------------------------|----------|----------|--|
| | | 1CO1 | OTPH1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (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 | |

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Client: Talon/LPE Project/Site: EOG Kimnets

MD MD

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

Method: 8021B - Volatile Organic Compounds (GC)

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

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

Matrix: Solid

Analysis Batch: 38211

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38223

| | INID | IAID | | | | | | | |
|---------------------|------------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | 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 |
| | | | | | | | | | |

MB MB

| Surrogate | %Recovery Qualific | er 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 |

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38223

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

LCS LCS

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

Lab Sample ID: LCSD 880-38223/2-A **Client Sample ID: Lab Control Sample Dup**

Matrix: Solid

Matrix: Solid

Analysis Batch: 38211

Analysis Batch: 38211

Prep Type: Total/NA Prep Batch: 38223

| Spike | LCSD LCSD | | | %Rec | | RPD |
|-------|---|--|--|---|--|--|
| Added | Result Qualifie | r Unit | D %Rec | Limits | RPD | Limit |
| 0.100 | 0.09133 | mg/Kg | 91 | 70 - 130 | 7 | 35 |
| 0.100 | 0.09725 | mg/Kg | 97 | 70 - 130 | 5 | 35 |
| 0.100 | 0.09938 | mg/Kg | 99 | 70 - 130 | 7 | 35 |
| 0.200 | 0.1886 | mg/Kg | 94 | 70 - 130 | 4 | 35 |
| 0.100 | 0.1064 | mg/Kg | 106 | 70 - 130 | 4 | 35 |
| | Added 0.100 0.100 0.100 0.200 | Added Result Qualifie 0.100 0.09133 0.100 0.09725 0.100 0.09938 0.200 0.1886 | Added Result Qualifier Unit 0.100 0.09133 mg/Kg 0.100 0.09725 mg/Kg 0.100 0.09938 mg/Kg 0.200 0.1886 mg/Kg | Added Result Qualifier Unit D %Rec 0.100 0.09133 mg/Kg 91 0.100 0.09725 mg/Kg 97 0.100 0.09938 mg/Kg 99 0.200 0.1886 mg/Kg 94 | Added Result Qualifier Unit D %Rec Limits 0.100 0.09133 mg/Kg 91 70 - 130 0.100 0.09725 mg/Kg 97 70 - 130 0.100 0.09938 mg/Kg 99 70 - 130 0.200 0.1886 mg/Kg 94 70 - 130 | Added Result Qualifier Unit D %Rec Limits RPD 0.100 0.09133 mg/Kg 91 70 - 130 7 0.100 0.09725 mg/Kg 97 70 - 130 5 0.100 0.09938 mg/Kg 99 70 - 130 7 0.200 0.1886 mg/Kg 94 70 - 130 4 |

LCSD LCSD

| Surrogate | %Recovery 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

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

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QC Sample Results

Client: Talon/LPE Job ID: 890-3303-1 Project/Site: EOG Kimnets SDG: 700438-300.01

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

Lab Sample ID: 890-3303

Matrix: Solid

Analysis Batch: 38211

| 3-2 MS | Client Sample ID: S-3A |
|--------|------------------------|
| | Prep Type: Total/NA |

Prep Batch: 38223

| | Sample | Sample | Бріке | INIO | M2 | | | | %Rec | |
|---------------------|------------------|-----------|--------------|---------|-----------|--------|---|------|----------|---|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %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 | |
| 0-Aylerie | \0.000343 | U | 0.0990 | 0.1013 | | mg/rvg | | 102 | 70-13 | 0 |

MS MS

| Surrogate | %Recovery Qua | alifier Limits |
|-----------------------------|---------------|----------------|
| 4-Bromofluorobenzene (Surr) | 105 | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 102 | 70 - 130 |

Client Sample ID: S-3A

Prep Type: Total/NA

Prep Batch: 38223

Matrix: Solid Analysis Batch: 38211

Lab Sample ID: 890-3303-2 MSD

| - | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
|---------------------|------------|-----------|-------|---------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | 0.00114 | JB | 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 |
| | | | | | | | | | | | |

MSD MSD

| Surrogate | %Recovery | 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 |
| Pron Batch: 38261 |

Prep Batch: 38261

| • | MB | MB | | | | | | - | |
|---|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Analyte | Result | 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 |
| Oll 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 |

MB MB

| Surrogate | %Recovery | 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

| 7 midily 010 = 0101111 00=11 | | | | | | | | |
|------------------------------|----------|--------|-----------|-------|---|------|----------|--|
| | Spike | LCS | LCS | | | | %Rec | |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Gasoline Range Organics | 1000 | 903.3 | | mg/Kg | | 90 | 70 - 130 | |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 1384 | *+ | mg/Kg | | 138 | 70 - 130 | |
| C10-C28) | | | | | | | | |

Client: Talon/LPE Job ID: 890-3303-1 Project/Site: EOG Kimnets 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 131 S1+ 1-Chlorooctane 70 - 130 o-Terphenyl 146 S1+ 70 - 130

Lab Sample ID: LCSD 880-38261/3-A **Client Sample ID: Lab Control Sample Dup**

Matrix: Solid

Analysis Batch: 38217

Prep Type: Total/NA Prep Batch: 38261

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

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 Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 38295

MB MB

| Analyte | Result | 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 **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 38295

| | | Spike | LCS | LCS | | | | %Rec | |
|----------|------|-------|--------|-----------|-------|---|------|----------|-------|
| Analyte | | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Chloride | | 250 | 256.6 | | ma/Ka | | 103 | 90 - 110 | - |

Lab Sample ID: LCSD 880-38248/3-A **Client Sample ID: Lab Control Sample Dup Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 38295

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Chloride | 250 | 252.1 | | mg/Kg | | 101 | 90 - 110 | 2 | 20 |

Lab Sample ID: 890-3303-1 MS Client Sample ID: S-1A **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 38295

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|---|
| nalyte Result Qualifier Added Result Qualifier Unit D %Rec Limits |

QC Sample Results

Client: Talon/LPE Job ID: 890-3303-1 Project/Site: EOG Kimnets SDG: 700438-300.01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-3303-1 MSD Client Sample ID: S-1A **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 38295

| • | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
|----------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Chloride | 189 | | 248 | 431.4 | | mg/Kg | | 98 | 90 - 110 | 0 | 20 |

QC Association Summary

Client: Talon/LPE Job ID: 890-3303-1
Project/Site: EOG Kimnets 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 890-3303-1 | Client Sample ID S-1A | Prep Type Total/NA | Matrix Solid | Method 8015B NM | Prep Batch 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 890-3303-1 | Client Sample ID S-1A | Prep Type Total/NA | Matrix Solid | Method 8015NM Prep | Prep Batch |
|-----------------------------|--------------------------|--------------------|-----------------|-----------------------|------------|
| 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 Job ID: 890-3303-1 Project/Site: EOG Kimnets SDG: 700438-300.01

HPLC/IC (Continued)

Leach Batch: 38248 (Continued)

| Lab Sample ID MB 880-38248/1-A | Client Sample ID Method Blank | Prep Type Soluble | Solid | Method DI Leach | Prep Batch |
|-----------------------------------|--------------------------------|-------------------|-------|-----------------|------------|
| 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 |

Client: Talon/LPE Job ID: 890-3303-1 Project/Site: EOG Kimnets SDG: 700438-300.01

Client Sample ID: S-1A Lab Sample ID: 890-3303-1

Matrix: Solid

Date Collected: 10/27/22 13:10 Date Received: 10/27/22 15:05

| Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-------------------|--|--|--|--|---|---|--|--|---|
| Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Prep | 5035 | | | 4.96 g | 5 mL | 38223 | 10/31/22 09:15 | MNR | EET MID |
| Analysis | 8021B | | 1 | 5 mL | 5 mL | 38211 | 10/31/22 14:28 | MNR | EET MID |
| Analysis | Total BTEX | | 1 | | | 38304 | 10/31/22 15:09 | AJ | EET MID |
| Analysis | 8015 NM | | 1 | | | 38303 | 10/31/22 15:00 | AJ | EET MID |
| Prep Analysis | 8015NM Prep 8015B NM | | 1 | 10.04 g 1 uL | 10 mL 1 uL | 38261 38217 | | | EET MID EET MID |
| Leach Analysis | DI Leach 300.0 | | 1 | 5.05 g 50 mL | 50 mL 50 mL | 38248 38295 | | | EET MID |
| | Type Prep Analysis Analysis Analysis Prep Analysis | Type Method Prep 5035 Analysis 8021B Analysis Total BTEX Analysis 8015 NM Prep 8015NM Prep Analysis 8015B NM Leach DI Leach | Type Method Fun 5035 Analysis 8021B Analysis Total BTEX Analysis 8015 NM Prep 8015NM Prep Analysis 8015B NM Leach DI Leach | Type Method Run Factor Prep 5035 1 Analysis 8021B 1 Analysis Total BTEX 1 Analysis 8015 NM 1 Prep 8015NM Prep Analysis 8015B NM 1 Leach DI Leach | Type Method Run Factor Amount Prep 5035 4.96 g Analysis 8021B 1 5 mL Analysis Total BTEX 1 1 Analysis 8015 NM 1 1 Prep 8015NM Prep 10.04 g 1 Analysis 8015B NM 1 1 uL Leach DI Leach 5.05 g | Type Method Run Factor Amount Amount Prep 5035 4.96 g 5 mL Analysis 8021B 1 5 mL 5 mL Analysis Total BTEX 1 | Type Method Run Factor Amount Amount Number Prep 5035 4.96 g 5 mL 38223 Analysis 8021B 1 5 mL 5 mL 38211 Analysis Total BTEX 1 38304 Analysis 8015 NM 1 38303 Prep 8015NM Prep 10.04 g 10 mL 38261 Analysis 8015B NM 1 1 uL 1 uL 38217 Leach DI Leach 5.05 g 50 mL 38248 | Type Method Run Factor Amount Amount Number or Analyzed Prep 5035 4.96 g 5 mL 38223 10/31/22 09:15 Analysis 8021B 1 5 mL 5 mL 38211 10/31/22 14:28 Analysis Total BTEX 1 38304 10/31/22 15:09 Analysis 8015 NM 1 1 0.04 g 10 mL 38261 10/31/22 10:25 Analysis 8015B NM 1 1 uL 1 uL 38217 10/31/22 13:29 Leach DI Leach 5.05 g 50 mL 38248 10/31/22 10:08 | Type Method Run Factor Amount Amount Number or Analyzed Analyst Prep 5035 4.96 g 5 mL 38223 10/31/22 09:15 MNR Analysis 8021B 1 5 mL 38211 10/31/22 14:28 MNR Analysis Total BTEX 1 38304 10/31/22 15:09 AJ Analysis 8015 NM 1 1 38303 10/31/22 15:00 AJ Prep 8015NM Prep 10.04 g 10 mL 38261 10/31/22 10:25 AM Analysis 8015B NM 1 1 uL 1 uL 38217 10/31/22 13:29 AJ Leach DI Leach 5.05 g 50 mL 38248 10/31/22 10:08 CH |

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

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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 | СН | 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

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-3303-1
Project/Site: EOG Kimnets SDG: 700438-300.01

Laboratory: Eurofins Midland

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

| Authority | Pr | ogram | Identification Number | Expiration Date |
|---------------------|-----------------------------------|------------------------------|---|--|
| Texas | NE | ELAP | T104704400-22-24 | 06-30-23 |
| , | • | ort, but the laboratory is r | not certified by the governing authority. | This list may include analytes for which |
| the agency does not | offer certification. | | | |
| Analysis Method | offer certification. Prep Method | Matrix | Analyte | |
| 0 , | | Matrix Solid | Analyte Total TPH | |

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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 |
| 3015B 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 | Dep |
|---------------|------------------|--------|----------------|----------------|-----|
| 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 |

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Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to

Received by: (Signature)

CC.7722 Date/Time

1505

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

ished by: (Signature)

eurofins **Environment Testing** Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-33 EL Paso, TX (9 Hobbs, NM (5

| × m | Environment Testing | Midland, TX (432) | Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 El Paro TY (015) 585-3443 Linbbook TX (806) 794-1796 | Work Order No: | |
|---|---|-------------------------------------|--|---|----------------------------|
| | | Hobbs, NM (575 | Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 | www.xenco.com Page | of |
| roject Manager: 3/2/ | Hens In | Bill to: (if different) | T2/01 LLC | N N | |
| ompany Name: | | Company Name: | | Program: UST/PST ☐ PRP☐ Brownfields ☐ | RRC Superfund |
| ddress: | | Address: | | | |
| ity, State ZIP: | | City, State ZIP: | | Reporting: Level Level PST/UST TRRP | TRRP Level IV |
| hone: | Email: | - | | Deliverables: EDD ADaPT | Other: |
| roject Name: | Turr | Turn Around | ANALYSIS REQUEST | | Preservative Codes |
| ber: | 704438-3001 Routine | XRush Pres. | | None: NO | DI Water: H ₂ O |
| | Due Date: | 1 Dens | | Cool: Cool | МеОН: Ме |
| ampler's Name: | TAT starts the | TAT starts the day received by | | HCL: HC | |
| 0 #: | the lab, if rec | | | H ₂ SO ₄ : H ₂ | NaOH: Na |
| AMPLE RECEIPT Temp Blank: | Blank: (es) No Wet ice: | (Yes) No | | H ₃ PO ₄ : HP | • |
| tact: | Thermometer I | 21 | | NaHSO 4: NABIS | NABIS |
| ooler Custody Seals: Yes No | N/A Correction Factor: | 4 | | Na ₂ S ₂ O ₃ : NaSO ₃ | NaSO 3 |
| ample Custody Seals: Yes No NI/A | | | 890-3303 Chain | of Custody | Zn Acetate+NaOH: Zn |
| otal Containers: | Corrected Temperature | 000 | Lipp | NaCH+As | NaOH+Ascorbic Acid: SAPC |
| Sample Identification | Matrix Date Time Sampled Sampled | Depth Grab/ # of Comp Cont | C. T. B. | Sarr | Sample Comments |
| S-1A | 10/27/22 13:10 | 3 A Cay | × | | |
| S-3A | 15.81 19/2/01 | 3ft Compo | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | |
| | | | | | |
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| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Total 200.7 / 6010 200.8 / 6020: | 8RCRA | 13PPM Texas 11 Al Sb | As Ba Be B Cd Ca Cr Co Cu Fe Pb N | Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U | U V Zn |
| nd Me | | PLP 6010 : 8RCRA Sb | s Ba Be Cd Cr Co Cu Pb Mn N | Hg: 1631 / 245.1 / 7470 / | 7471 |
| lice: Signature of this document and relinquishm | nent of samples constitutes a valid purchase or | er from client company to Eurofin | ritics: 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 | erms and conditions | |
| service. Eurofins Xenco will be liable only for the | e cost of samples and shall not assume any resp | nsibility for any losses or expense | 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 | beyond the control | |

SAMPLE RECEIPT

Samples Received Intact:

Sampler's Name:

Project Number:

roject Name:

Phone:

City, State ZIP:

\ddress:

Project Manager:

Login Sample Receipt Checklist

 Client: Talon/LPE
 Job Number: 890-3303-1

 SDG Number: 700438-300.01

Login Number: 3303 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

| 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 | |

Euronnis Carisbau

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Login Sample Receipt Checklist

 Client: Talon/LPE
 Job Number: 890-3303-1

 SDG Number: 700438-300.01

List Source: Eurofins Midland
List Number: 2
List Creation: 10/31/22 08:40 AM

Creator: Rodriguez, Leticia

| 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 | N/A | |

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<6mm (1/4").



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

JURAMER

Authorized for release by: 10/12/2022 1:00:27 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 1/4/2023 2:35:09 PM

signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

This report has been electronically signed and authorized by the signatory. Electronic

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

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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 Job ID: 890-3163-1 Project/Site: Kemnitz South AFL State 1 SDG: Lea County NM

Qualifiers

| GC | VOA |
|------|------------|
| Qual | ifier |

| *+ | 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.

Qualifier Description

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| В | 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. |

MDA

MQL

| Glossary | |
|----------------|---|
| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
| n | 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) |
| FDI | Estimated Detection Limit (Dioxin) |

| EDL | Estimated Detection Limit (Dioxin) |
|-----|---|
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |

| MDC | Minimum Detectable Concentration (Radiochemistry) |
|-----|---|
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |

| NC | Not Calculated |
|----|----------------|
| | |

| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
|----|--|

Method Quantitation Limit

Minimum Detectable Activity (Radiochemistry)

| NEG | Negative / Absent |
|-----|------------------------------|
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |

| PRES | Presumptive |
|------|-----------------|
| QC | Quality Control |

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Talon/LPE

Job ID: 890-3163-1 Project/Site: Kemnitz South AFL State 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.

Lab Sample ID: 890-3163-1

Client Sample Results

Client: Talon/LPE Job ID: 890-3163-1
Project/Site: Kemnitz South AFL State 1 SDG: Lea County NM

Client Sample ID: S-1A

Date Collected: 10/06/22 07:00 Date Received: 10/06/22 10:03

Sample Depth: 2

| 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) | | | 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 - 1 | Total BTEX Cald | culation | | | | | | | |
| 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 |
| | | | | | | | | | |
| Mothod: SW846 8015 NM - Diose | ol Pango Organ | ice (DPO) ((| CC) | | | | | | |
| Method: SW846 8015 NM - Diese Analyte | | ics (DRO) (| • | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Analyte | | , ,, | GC) RL 49.9 | MDL 15.0 | | <u>D</u> | Prepared | Analyzed 10/10/22 12:14 | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte Total TPH | Result | , ,, | RL | | | <u>D</u> | Prepared | | |
| Analyte | Result 140 | Qualifier | RL 49.9 | | | <u>D</u> | Prepared | | |
| Analyte Total TPH | Result 140 sel Range Orga | Qualifier | RL 49.9 | 15.0 | | <u>D</u> | Prepared Prepared | | |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics | Result 140 sel Range Orga | Qualifier nics (DRO) Qualifier | RL 49.9 (GC) | 15.0 | mg/Kg | | | 10/10/22 12:14 | 1 Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies | Result 140 sel Range Orga Result | Qualifier nics (DRO) Qualifier J | RL 49.9 (GC) | 15.0 MDL 15.0 | mg/Kg | | Prepared | 10/10/22 12:14 Analyzed | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result 140 sel Range Orga Result 29.8 | Qualifier nics (DRO) Qualifier J B | (GC) RL 49.9 | 15.0 MDL 15.0 15.0 | mg/Kg Unit mg/Kg | | Prepared 10/07/22 07:42 | 10/10/22 12:14 Analyzed 10/07/22 15:50 | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result 140 sel Range Orga Result 29.8 92.3 | Qualifier nics (DRO) Qualifier J B | RL 49.9 (GC) RL 49.9 49.9 | 15.0 MDL 15.0 15.0 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 10/07/22 07:42 10/07/22 07:42 | 10/10/22 12:14 Analyzed 10/07/22 15:50 10/07/22 15:50 | 1 Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | Result 140 sel Range Orga Result 29.8 92.3 18.1 | Qualifier nics (DRO) Qualifier J B | RL 49.9 (GC) RL 49.9 49.9 49.9 | 15.0 MDL 15.0 15.0 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 10/07/22 07:42 10/07/22 07:42 10/07/22 07:42 | Analyzed 10/07/22 15:50 10/07/22 15:50 | 1 Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate | Result 140 sel Range Orga Result 29.8 92.3 18.1 %Recovery | Qualifier nics (DRO) Qualifier J B | RL 49.9 (GC) RL 49.9 49.9 49.9 <i>Limits</i> | 15.0 MDL 15.0 15.0 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 10/07/22 07:42 10/07/22 07:42 10/07/22 07:42 Prepared | Analyzed 10/07/22 15:50 10/07/22 15:50 10/07/22 15:50 Analyzed | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | Result 140 sel Range Orga Result 29.8 92.3 18.1 %Recovery 88 91 | Qualifier nics (DRO) Qualifier J B J Qualifier | RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130 | 15.0 MDL 15.0 15.0 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 10/07/22 07:42 10/07/22 07:42 10/07/22 07:42 Prepared 10/07/22 07:42 | Analyzed 10/07/22 15:50 10/07/22 15:50 4nalyzed 10/07/22 15:50 Analyzed 10/07/22 15:50 | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl | Result 140 | Qualifier nics (DRO) Qualifier J B J Qualifier | RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130 | 15.0 MDL 15.0 15.0 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 10/07/22 07:42 10/07/22 07:42 10/07/22 07:42 Prepared 10/07/22 07:42 | Analyzed 10/07/22 15:50 10/07/22 15:50 4nalyzed 10/07/22 15:50 Analyzed 10/07/22 15:50 | Dil Fac 1 1 Dil Fac |

Client Sample ID: S-2A

Date Collected: 10/06/22 07:05 Date Received: 10/06/22 10:03

Date Received. 10/00/22 10:00

Sample Depth: 2

| 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) | | | 70 - 130 | | | | 10/10/22 13:15 | 10/10/22 23:36 | 1 |

Eurofins Carlsbad

Lab Sample ID: 890-3163-2

3

5

10

12

13

Matrix: Solid

Lab Sample ID: 890-3163-2

Job ID: 890-3163-1

Client: Talon/LPE Project/Site: Kemnitz South AFL State 1 SDG: Lea County NM

Client Sample ID: S-2A

Date Collected: 10/06/22 07:05 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 |

| 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 |

| 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 Rand | ge Organics | (DRO) | (GC) |
|------------------------|-------------------|-------------|--------|------|
| Michiga. Offord out ob | INN - Dieser Rang | ge Organics | (DIXO) | (00) |

| 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 | В | 50.0 | 15.0 | mg/Kg | | 10/07/22 07:42 | 10/07/22 16:12 | 1 |
| Oll 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 |

| 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 Date Received: 10/06/22 10:03

Sample Depth: 2

| Method: SW846 | ROSTR Vols | tilo Organic | Compounde / | CCI |
|------------------|-----------------|--------------|----------------|-----|
| I WELLIOU. SYVON | 1 002 ID - VUIA | lile Oruanic | CUIIIDUUIIUS I | 901 |

| Mictilod. Offoro 002 ID - Volut | ne organie comp | ounus (CC) | , | | | | | | |
|---------------------------------|-----------------|------------|----------|----------|-------|---|----------------|----------------|---------|
| 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 A-Diffuorobenzene (Surr) | 103 | | 70 130 | | | | 10/10/22 13:15 | 10/10/22 23:57 | 1 |

| 4-bromonuorobenzene (Surr) | 124 | 70 - 130 | 10/10/22 13.15 | 10/10/22 23.57 | ı |
|----------------------------|-----|----------|----------------|----------------|---|
| 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 | Method: | : SW846 8015 N | M - Diesel R | ange Ord | ianics (| 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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Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-3163-3

Client Sample Results

Client: Talon/LPE Job ID: 890-3163-1 Project/Site: Kemnitz South AFL State 1 SDG: Lea County NM

Client Sample ID: S-3A

Date Collected: 10/06/22 07:10 Date Received: 10/06/22 10:03

Sample Depth: 2

| 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 | В | 50.0 | 15.0 | mg/Kg | | 10/07/22 07:42 | 10/07/22 16:33 | 1 |
| Oll 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 Chromato | graphy - S | oluble | | | | | | |
| Analyte | | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |

Chloride 5.01 10/11/22 22:04 163 0.396 mg/Kg Client Sample ID: S-8A Lab Sample ID: 890-3163-4

Date Collected: 10/06/22 07:15 Date Received: 10/06/22 10:03

Sample Depth: 2

| 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 - T | otal BTEX Cald | culation | | | | | | | |
| 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 - Diese | l Range Organ | ics (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 - Dies | el Range Orga | nics (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 | В | 49.8 | 14.9 | mg/Kg | | 10/07/22 07:42 | 10/07/22 16:55 | 1 |
| Oll 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-Cilioroccarie | 30 | | 70 - 700 | | | | | | • |

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

Client Sample Results

Client: Talon/LPE Job ID: 890-3163-1
Project/Site: Kemnitz South AFL State 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 | Chromato | graphy - Sol | uble | | | | | | |
|-----------------------------------|----------|--------------|------|-------|-------|---|----------|----------------|---------|
| 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

Date Received: 10/06/22 10:03 Sample Depth: 2

| 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) | | | 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 - Tot | al BTEX Calcula | ation | | | | | | |
|----------------------------------|-----------------|-------------|---------|-------|---|----------|----------------|---------|
| Analyte | Result Qu | ualifier 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 F | Range Organ | ics (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 |

| 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 | В | 49.9 | 15.0 | mg/Kg | | 10/07/22 07:42 | 10/07/22 17:16 | 1 |
| Oll 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, I | on Chromato | graphy - S | oluble | | | | | | |
|---------------------------------|-------------|------------|--------|-------|-------|---|----------|----------------|---------|
| 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 |

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Matrix: Solid

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11

13

Lab Sample ID: 890-3163-6

Client Sample Results

Client: Talon/LPE Job ID: 890-3163-1 Project/Site: Kemnitz South AFL State 1 SDG: Lea County NM

Client Sample ID: S-10A

Date Collected: 10/06/22 07:25 Date Received: 10/06/22 10:03

Sample Depth: 2

| 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 - 1 | Total BTEX Cal | culation | | | | | | | |
| 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 - Diese | el Range Organ | ics (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 - Dies | sel Range Orga | nics (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 | В | 50.0 | 15.0 | mg/Kg | | 10/07/22 07:42 | 10/07/22 17:38 | 1 |
| Oll 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 |
| | 94 | | 70 - 130 | | | | 10/07/22 07:42 | 10/07/22 17:38 | 1 |
| o-Terphenyl | 94 | | | | | | | | |
| o-Terphenyl Method: MCAWW 300.0 - Anions | • | ography - So | oluble | | | | | | |
| | s, Ion Chromato | ography - So Qualifier | oluble RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |

Client Sample ID: S-11A

Date Collected: 10/06/22 07:30 Date Received: 10/06/22 10:03

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier Analyte 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 Toluene 0.00130 J 0.00200 0.000455 mg/Kg 10/10/22 13:15 10/11/22 01:19 Ethylbenzene <0.000564 U 0.00200 0.000564 mg/Kg 10/10/22 13:15 10/11/22 01:19 0.00399 10/10/22 13:15 m-Xylene & p-Xylene <0.00101 U 0.00101 mg/Kg 10/11/22 01:19 o-Xylene <0.000343 U 0.00200 0.000343 mg/Kg 10/10/22 13:15 10/11/22 01:19 Xylenes, Total <0.00101 U 0.00399 0.00101 mg/Kg 10/10/22 13:15 10/11/22 01:19 Limits Prepared Surrogate %Recovery Qualifier Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 70 - 130 10/10/22 13:15 10/11/22 01:19 115

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Lab Sample ID: 890-3163-7

Matrix: Solid

Job ID: 890-3163-1

Client: Talon/LPE Project/Site: Kemnitz South AFL State 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 (G | C) (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: TAI | SOP Total BTEX | - Total BTFX Ca | lculation - |
|-------------|----------------|-----------------|-------------|

| 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 |

| ı | | | | |
|---|--------------------------|--------------|-------------|-----------|
| ı | Mathad. CIMO 4C OO4E NIM | Discal Dance | Oursias /F | ADOL (CC) |
| 1 | Method: SW846 8015 NM - | Diesei Kande | Organics (L | JKULIGGE |
| | | | | |

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

| Method: SW846 8015 | Rango Or | ranice (DRO) (GC) |
|----------------------|---------------------------------------|----------------------|
| michica. Offoro octo | i i i i i i i i i i i i i i i i i i i | garries (Ditto) (CO) |

| 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 | В | 50.0 | 15.0 | mg/Kg | | 10/07/22 07:42 | 10/07/22 17:59 | 1 |
| Oll 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 |

| 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 | ı | 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 Date Received: 10/06/22 10:03

Sample Depth: 2

| Mothodi | CIMOAC GOOAD | Valatile Or | ganic Compour | de (CC) |
|-----------|--------------|---------------|---------------|----------|
| i wethod: | 5W846 8U21B | - volatile Ur | danic Compour | ias (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 |

| Mothod: | TAI SOI | Total RTF | (- Total RTF | X Calculation |
|---------|---------|-----------|---------------|---------------|

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | 0.00202 | J | 0.00398 | 0.00100 | ma/Ka | | | 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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Matrix: Solid

Client: Talon/LPE Job ID: 890-3163-1 Project/Site: Kemnitz South AFL State 1 SDG: Lea County NM

132

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

| 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 | В | 50.0 | 15.0 | mg/Kg | | 10/07/22 07:42 | 10/07/22 18:21 | 1 |
| Oll 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 Chromato | ography - So | oluble | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |

Client Sample ID: S-13A Lab Sample ID: 890-3163-9 Matrix: Solid

4.96

0.392 mg/Kg

Date Collected: 10/06/22 07:40 Date Received: 10/06/22 10:03

Sample Depth: 2

Chloride

| 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 - T | otal BTEX Cald | culation | | | | | | | |
| 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 - Diese | I Range Organ | ics (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 - Dies | sel Range Orga | nics (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 | В | 49.8 | 14.9 | mg/Kg | | 10/07/22 07:42 | 10/07/22 18:43 | 1 |
| Oll 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 |

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10/11/22 22:43

Matrix: Solid

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

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

Lab Sample ID: 890-3163-9

Client Sample ID: S-13A

Date Collected: 10/06/22 07:40 Date Received: 10/06/22 10:03

Sample Depth: 2

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Dil Fac Analyte RL MDL Unit D Analyzed Prepared Chloride 4.95 10/11/22 22:48 141 0.391 mg/Kg

Client Sample ID: S-14A Lab Sample ID: 890-3163-10

Date Collected: 10/06/22 07:45 Date Received: 10/06/22 10:03

Sample Depth: 2

Δnalvto

| 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 |

| 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 |
| | | . (556) (66) | | | | | | | |
| Method: SW846 8015 NM - Diesel F | Range Organ | ics (DRO) (GC) | | | | | | | |

| method. Swo46 60 15 Nm - Dieser Range Organics (DRO) (GC) | | | | | | | | | |
|---|-----|--------------|------|------|-------|---|----------|----------------|----------------|
| | Res | lt Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| | 7! | 8 | 49.8 | 14.9 | mg/Kg | | | 10/10/22 12:14 | 1 |
| L | /R | 8 | 49.0 | 14.9 | mg/Kg | | | | 10/10/22 12.14 |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics | 21.0 | J | 49.8 | 14.9 | mg/Kg | | 10/07/22 07:42 | 10/07/22 19:04 | 1 |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | 54.8 | В | 49.8 | 14.9 | mg/Kg | | 10/07/22 07:42 | 10/07/22 19:04 | 1 |
| C10-C28) | | | | | | | | | |
| Oll 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 | |

Surrogate Summary

Client: Talon/LPE Job ID: 890-3163-1
Project/Site: Kemnitz South AFL State 1 SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

| | | | | Percent Surrogate Recovery (Acceptance Limits) |
|--------------------|------------------------|----------|----------|--|
| | | BFB1 | DFBZ1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 890-3163-1 | S-1A | 111 | 83 | |
| 890-3163-1 MS | S-1A | 72 | 59 S1- | |
| 390-3163-1 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 | |
| 390-3163-8 | 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 | |

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) |
|--------------------|------------------------|----------|----------|--|
| | | 1001 | OTPH1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (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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2

3

4

9

11

13

Client: Talon/LPE Job ID: 890-3163-1 Project/Site: Kemnitz South AFL State 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

| | MB | MB | | | | | | | |
|---------------------|-----------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | 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 | • |
| Toluene | <0.000456 | U | 0.00200 | 0.000456 | mg/Kg | | 10/08/22 13:26 | 10/11/22 10:43 | |
| Ethylbenzene | <0.000565 | U | 0.00200 | 0.000565 | mg/Kg | | 10/08/22 13:26 | 10/11/22 10:43 | |
| m-Xylene & p-Xylene | <0.00101 | U | 0.00400 | 0.00101 | mg/Kg | | 10/08/22 13:26 | 10/11/22 10:43 | |
| o-Xylene | <0.000344 | U | 0.00200 | 0.000344 | mg/Kg | | 10/08/22 13:26 | 10/11/22 10:43 | |
| Xylenes, Total | <0.00101 | U | 0.00400 | 0.00101 | mg/Kg | | 10/08/22 13:26 | 10/11/22 10:43 | |
| | | | | | | | | | |

MB MB

| Surrogate | %Recovery Q | 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

| | Бріке | LCS | LUS | | | | %Rec | |
|---------------------|--------------|---------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %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 | |
| | | | | | | | | |

LCS LCS

| Surrogate | %Recovery 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

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|---------------------|-------|---------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | 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 |

LCSD LCSD

| Surrogate | %Recovery | 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

| | 1410 | 141.0 | | | | | | | |
|---------|-----------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | 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 |

Client: Talon/LPE Job ID: 890-3163-1 Project/Site: Kemnitz South AFL State 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

| ı | | | | | | | | | | |
|---|---------------------|-----------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| | Analyte | Result | 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 |
| ı | | | | | | | | | | |

MB MB

MR MR

| Surrogate | %Recovery | 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

| | MB | MB | | | | | | | |
|---------------------|-----------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | 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 |

MB MB

| Surrogate | %Recovery 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

| | Spike | LCS | LCS | | | | %Rec | |
|---------------------|-------|---------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %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 | |

LCS LCS

| Surrogate | %Recovery Qual | ifier 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 Sam | nla ID: Lak | Control | Sample Dup | |
|---------------|-------------|----------|--------------|--|
| Ciletti Satti | DIE ID. Lai | , contro | Sallible Dub | |

Prep Type: Total/NA

Prep Batch: 36587

| • | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|--------------|-------|---------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | 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 |

Job ID: 890-3163-1 Client: Talon/LPE Project/Site: Kemnitz South AFL State 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

LCSD LCSD Spike %Rec **RPD** Added Result Qualifier Unit %Rec Limits **RPD** Limit Analyte D 0.200 0.1987 99 70 - 130 35 m-Xylene & p-Xylene mg/Kg 3 o-Xylene 0.100 0.1013 mg/Kg 101 70 - 130 3 35

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

Lab Sample ID: 890-3163-1 MS

Matrix: Solid

Client Sample ID: S-1A Prep Type: Total/NA

Prep Batch: 36587

Analysis Batch: 36501 Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits <0.000387 U F1 F2 0.0998 0.01619 F1 16 70 - 130 mg/Kg

Benzene Toluene 0.000793 JF1F2 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 0.200 0.04898 F1 25 70 - 130 <0.00101 U F1 F2 mg/Kg o-Xylene <0.000345 U F1 F2 0.0998 0.02925 F1 mg/Kg 29 70 - 130 MS MS

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 72 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 59 S1-

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 MSD MSD Spike %Rec RPD Result Qualifier Result Qualifier Added %Rec RPD Analyte Unit Limits Limit Benzene <0.000387 U F1 F2 0.0996 0.03750 F1 F2 38 79 35 70 - 130mg/Kg Toluene 0.000793 JF1F2 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 UF1F2 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 35

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

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

MR MR

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

Client: Talon/LPE Job ID: 890-3163-1 Project/Site: Kemnitz South AFL State 1 SDG: Lea County NM

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

| | MB MB | | | | |
|----------------|---------------------|----------|----------------|----------------|---------|
| Surrogate | %Recovery 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 Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 36315** Prep Batch: 36322

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

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

Lab Sample ID: LCSD 880-36322/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA Analysis Batch: 36315 Prep Batch: 36322

LCSD LCSD Spike %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Gasoline Range Organics 1000 992.9 99 70 - 1308 20 mg/Kg (GRO)-C6-C10 1000 982.2 Diesel Range Organics (Over mg/Kg 98 70 - 1300 20 C10-C28)

LCSD LCSD %Recovery Qualifier Limits Surrogate

70 - 130 1-Chlorooctane 98 70 - 130 o-Terphenyl 110

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-36394/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 36739

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

Lab Sample ID: LCS 880-36394/2-A Client Sample ID: Lab Control Sample Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 36739

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

Lab Sample ID: LCSD 880-36394/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 36739

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 269.0 108 90 - 110 20 mg/Kg

Client: Talon/LPE Job ID: 890-3163-1 Project/Site: Kemnitz South AFL State 1 SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-3163-7 MS **Matrix: Solid**

Analysis Batch: 36739

| Analysis Baton: 60766 | Sample | Sample | Spike | MS | MS | | | | %Rec | |
|-----------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Chloride | 241 | F1 | 249 | 489.4 | | mg/Kg | | 100 | 90 - 110 | |

Lab Sample ID: 890-3163-7 MSD

Matrix: Solid

Analysis Batch: 36739

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

Client Sample ID: S-11A

Client Sample ID: S-11A

Prep Type: Soluble

Prep Type: Soluble

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 |

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 | |

Eurofins Carlsbad

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QC Association Summary

Client: Talon/LPE Job ID: 890-3163-1 Project/Site: Kemnitz South AFL State 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 |

SDG: Lea County NM

Project/Site: Kemnitz South AFL State 1

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

Client: Talon/LPE

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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 | СН | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 36739 | 10/11/22 21:43 | СН | EET MID |

Client Sample ID: S-2A Lab Sample ID: 890-3163-2 Date Collected: 10/06/22 07:05

Date Received: 10/06/22 10:03

Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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 | СН | 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 Date Received: 10/06/22 10:03 **Matrix: Solid**

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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 Date Received: 10/06/22 10:03 **Matrix: Solid**

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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 |

Client: Talon/LPE

Project/Site: Kemnitz South AFL State 1

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

Lab Sample ID: 890-3163-4

Client Sample ID: S-8A

Date Collected: 10/06/22 07:15 Date Received: 10/06/22 10:03

Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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 Received: 10/06/22 10:03

Matrix: Solid

Date Collected: 10/06/22 07:20

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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 | СН | 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 Date Received: 10/06/22 10:03 **Matrix: Solid**

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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 | СН | 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 Date Received: 10/06/22 10:03

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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

Matrix: Solid

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

300.0

Analysis

Soluble

Client: Talon/LPE Job ID: 890-3163-1 Project/Site: Kemnitz South AFL State 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

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|----------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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 Lab Sample ID: 890-3163-8

Date Collected: 10/06/22 07:35 Matrix: Solid Date Received: 10/06/22 10:03

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

Client Sample ID: S-13A Lab Sample ID: 890-3163-9

36739

10/11/22 22:43

СН

Date Collected: 10/06/22 07:40 **Matrix: Solid** Date Received: 10/06/22 10:03

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| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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 | СН | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 36739 | 10/11/22 22:48 | CH | EET MID |

Client Sample ID: S-14A Lab Sample ID: 890-3163-10

Date Collected: 10/06/22 07:45 Date Received: 10/06/22 10:03

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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

EET MID

Matrix: Solid

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-3163-1
Project/Site: Kemnitz South AFL State 1 SDG: Lea County NM

Laboratory: Eurofins Midland

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

| Authority | Pr | ogram | Identification Number | Expiration Date |
|---|----------------------------------|-----------------------------------|---|-------------------------|
| Texas | NE | ELAP | T104704400-22-24 | 06-30-23 |
| The following analytes | are included in this report, bu | it the laboratory is not certific | ed by the governing authority. This list ma | av include analytes for |
| the agency does not of | fer certification. | • | , , , | ., |
| the agency does not of Analysis Method | fer certification . Prep Method | Matrix | Analyte | -, |
| 0 , | | Matrix Solid | Analyte Total TPH | |

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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

Eurofins Carlsbad

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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-14Δ | Solid | 10/06/22 07:45 | 10/06/22 10:03 | · · · · · · · · · · · · · · · · · · · |

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Environment Testing

Company Name

408 W. Texas Ave. Talon LPE

Address:

State of Project:

Bill to: (if different) Company Name:

R. Pons

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

| _ | | 1 | |
|---|---------------------|-----------------------|----------------|
| Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐ | Work Order Comments | www.xenco.com Page of | Work Order No: |

| | | | 6 | | | - | | | | | | |
|---|--|---|---------------------------------------|---|----------------|--|--|---|---|----------------|--|---|
| | | | 4 | | | | | | | < | | |
| | | | 8 | 801 EB.0.0 | 6.6 | 0 | | 2 | DO ON | 7 | P | Amon de |
| re) Date/Time | Received by: (Signature) | Relinquished by: (Signature) | | Date/Time | Date | | iture) | Recaived by: (Signature) | Recgived | > | (Signature) | Relinquished by: (Signature) |
| | rs. It assigns standard terms and conditions are due to circumstances beyond the control ms will be enforced unless previously negotiated. | 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. | ins Xenco enses incu rofins Xer | ny to Eurol es or expe litted to Eu | any loss | er from clien onsibility for or each sam | urchase orderme any responsible of \$5 for | itutes a valid p I shall not assu project and a c | of samples const t of samples and applied to each p | for the cos | document and reling to will be liable only imum charge of \$85 | ice: Signature of this ervice. Eurofins Xend urofins Xenco. A min |
| 245.1 / 7470 / 7471 | Ag TI U Hg: 1631 / 245.1 | Cd Cr Co Cu Pb Mn Mo Ni Se Ag | | Sb As Ba Be | 11 11 | . 8RCRA | TCLP / SPLP 6010: 8RCRA | TCLP / SF | zed | e analy: | nd Metal(s) to b | Circle Method(s) and Metal(s) to be analyzed |
| TI Sn L | Mg Mn Mo Ni K Se Ag SiO ₂ Na | Ca Cr Co Cu Fe Pb | e B Cd | s Ba Be | Sb As | Texas 11 Al | - 1 | 8RCRA 13PPM | 8R | 020: | 10 200.8 / 6020: | Total 200.7 / 6010 |
| | | | × | × | × | COMP 1 | 2, | 7:45 | 10/6/2022 | SOIL | A | S-14A |
| | | | × | × | × | COMP 1 | 21 | 7:40 | 10/6/2022 | SOIL | A | S-13A |
| | | | × | × | × | COMP 1 | 2 | 7:35 | SOIL 10/6/2022 | 901- | > | S 12A |
| | | | × | × | × | COMP 1 | 2 0 | 7:30 | 10/6/2022 | SOIL | Α | S-11A |
| | | | × | × | × | COMF 1 | 2' | 7:25 | 10/6/2022 | SOIL | Ā | S-10A |
| | | | × | × | × | COMF 1 | 2' 0 | 7:20 | 10/6/2022 | SOIL | A | S-9A |
| | | | × | × | × | COMP 1 | 2, | 7:15 | 10/6/2022 | SOIL | A | S-8A |
| Mgomez@talonlpe.com | | | × | × | × | COMP 1 | 2' | 7:10 | 10/6/2022 | SOIL | A | S-3A |
| Rpons@talonlpe.com | | | × | × | × | COMP 1 | 2' 0 | 7:05 | 10/6/2022 | SOIL | Д | S-2A |
| Email Results to: | | | × | × | × | COMP 1 | 2' | 7:00 | 10/6/2022 | SOIL | А | S-1A |
| Sample Comments | | | BTEX | трн | 로 역 Chlorid | Grab/ # of Comp Cont | Depth | Time Sampled | Date Sampled | Matrix | tification | Sample Identification |
| NaOH+Ascorbic Acid: SAPC | | | | | es | | - 6 | mperature: | Corrected Temperature | (| | Total Containers: |
| Zn Acetate+NaOH: Zn | | - | | _ | | | 7 | Reading: | N/A Temperature Reading: | _ | ils: Yes No | Sample Custody Seals: |
| Na ₂ S ₂ O ₃ : NaSO ₃ | | 890-3163 Chain of Custody | | _ | | (P) | Ö | actor: | Correction Factor: | N/A | s: Yes No | Cooler Custody Seals: |
| NaHSO4: NABIS | | | | | | arar | NECO | r ID: | Thermometer ID: | No. | (3 | Samples Received Intact: |
| H₃PO₄: HP | | | | | | Nete | (Yes) | Wet Ice: | (les %) | Blank: | PT Temp Blank: | SAMPLE RECEIPT |
| H ₂ S0 ₄ ; H ₂ NaOH: Na | | | - | | | 1 | ceived by 4:3 | the lab, if received by 4:30pm |) | | | PO# |
| | | | | | | ed by | e day receiv | TAT starts the day received by | | J. Carnes | ب | Sampler's Name: |
| ₽. | | | | | | 022 | 10/10/2022 | Due Date: | | Lea County, NM | Lea C | Project Location: |
| None: NO DI Water: H ₂ O | | | | | up. iv | 20 Pres. | □Rush 30 | Routine | 3 | 700438.300.01 | 7004 | Project Number: |
| Preservative Codes | | ANALYSIS REQUEST | | | | | Turn Around | Turn | State 1 | uth AFL | Kemnitz South AFL State | Project Name: |
| Omen | Deliverables: EDDADaP1 | Delive | | | | | | Email: | | | 575.746.8768 | Phone: |
| OSI IRRP Level V | Level | Report | | | | ZIP: | City, State ZIP | | | 8210 | Artesia, NM 88210 | City, State ZIP: |
| |] | | | | + | | Addicar. | | | Ave. | 400 VV. 15AGS | Address. |

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3163-1

CDC Number: 4-20 County NM

SDG Number: Lea County NM

Login Number: 3163 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

| 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 | |

Eurofins Carlsbad

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Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-3163-1 SDG Number: Lea County NM

Login Number: 3163 List Source: Eurofins Midland List Number: 2

List Creation: 10/07/22 10:56 AM

Creator: Rodriguez, Leticia

<6mm (1/4").

| 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 | N/A | |

Eurofins Carlsbad

Page 31 of 31

10/12/2022



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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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 11/02/2022 Soil

Reported: Sampling Type:

Project Name: KEMNITZ SOUTH AFL STATE 1 Sampling Condition: Cool & Intact Project Number: 700438.300.01 Sample Received By: Tamara Oldaker

A ... - b ... - d D. .. 711

Project Location: EOG - LEA CO NM

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

| BTEX 8021B | mg, | 'kg | Analyze | d 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 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | 'kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.0 | % 46.3-17 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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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Celey D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Delivered By: (Circle One) ##/3 Sample Con Cool / Initial Sampler - UPS - Bus - Other: 4.3° / 3.7° Pres | Relinquished By: Time: Received By: Time: Received By: Time: | Damages, Cardinal's liability and client's exclusive remedy for any those for negligence and any other cause whatsoever shall be final be liable for incidental or consequential damages, including w out of or related to the performance of services hereunder by Car | | | 5 1 51 # 3.5' 611 | (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL | | Sampler Name: N. MENELS C. | on: 10 CALL | me: 1/2/m D:47 | 10.00 | e#: 575.746.8768 Fax#: | | Address: 408 W. Texas Ave | Project Manager: | Company Name: Talon LPE | (575) 393-2326 FAX (575) 393-2476 |
|--|--|--|--|--|-------------------|--|-------------------|----------------------------|-------------|----------------|-------|------------------------|-------|---------------------------|------------------|--------------------------|-----------------------------------|
| dition CHECKED BY: (Initials) Yes | FAX RESULT: VES NO ADDITION TO ADDITION TO PERMARKS: Chensley Etalon Lpc. Com Chensley Etalon Lpc. Com | pplicable | The state of the s | | 10/3/12/21/201 | OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME | PRESERV. SAMPLING | Fax#: | Phone #: | | City: | Address: | Attn: | Company: | P.O. #: | BILL TO ANALYSIS REQUEST | |



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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Reported: 10/26/2022 Sampling Type: Soil
Project Name: KEMNITZ SOUTH AFL STATE 1 Sampling Condition: **(

Project Name: KEMNITZ SOUTH AFL STATE 1 Sampling Condition: ** (See Notes)
Project Number: 700438.300.01 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EOG - LEA CO NM

mg/kg

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

BTEX 8260B

| | | 9 | | | | | | | |
|---------------------------------|--------|-----------------|------------|--------------|-------|------------|---------------|-------|--------------|
| 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 5 | % 83.7-11 | 4 | | | | | | |
| Surrogate: Toluene-d8 | 100 9 | % 95.3-10 | 7 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 105 9 | % 50.9-15 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 110 9 | % 46.3-17 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celeg & Freene



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

Analyzed By: MS

Project Location: EOG - LEA CO NM

mg/kg

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

BTEX 8260B

| DIEX CECCE | 9/ | 119 | Analyzo | u 5,1115 | | | | | |
|---------------------------------|--------|-----------------|------------|--------------|-------|------------|---------------|-------|-----------|
| 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 | % 83.7-11 | 4 | | | | | | |
| Surrogate: Toluene-d8 | 98.4 | % 95.3-10 | 7 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 103 | % 50.9-15 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | ed 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 | Analyze | ed 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



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

Analyzed By: MS

Project Location: EOG - LEA CO NM

mg/kg

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

BTEX 8260B

| | | | | • | | | | | |
|---------------------------------|--------|-----------------|------------|--------------|-------|------------|---------------|-------|-----------|
| 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 | 97.6 | % 83.7-11 | 4 | | | | | | |
| Surrogate: Toluene-d8 | 99.0 | % 95.3-10 | 07 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 102 | % 50.9-15 | 50 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed 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 | Analyze | ed 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 | % 45.3-16 | 51 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.9 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

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Celeg & Frence



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

Analyzed By: MS

Project Location: EOG - LEA CO NM

mg/kg

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

BTEX 8260B

| DILX 0200D | ilig | r kg | Allalyze | u by. 143 | | | | | |
|---------------------------------|--------|-----------------|------------|--------------|-------|------------|---------------|-------|-----------|
| 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 | 97.0 | % 83.7-11 | 4 | | | | | | |
| Surrogate: Toluene-d8 | 98.1 | % 95.3-10 | 07 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 101 | % 50.9-15 | 70 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 51 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 87.8 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



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

Analyzed By: MS

Project Location: EOG - LEA CO NM

mg/kg

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

BTEX 8260B

| | <u> </u> | | | • • | | | | | |
|---------------------------------|----------|-----------------|------------|--------------|-------|------------|---------------|-------|-----------|
| 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 | % 83.7-11 | 4 | | | | | | |
| Surrogate: Toluene-d8 | 97.9 | % 95.3-10 | 07 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 101 | % 50.9-15 | 50 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | ed 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 | Analyze | ed 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 | % 45.3-16 | 51 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.9 | % 46.3-17 | 78 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



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

Analyzed By: MS

Project Location: EOG - LEA CO NM

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

BTEX 8260B

| BIEA 0200B | ilig | ky | Allalyze | u by: M5 | | | | | |
|---------------------------------|--------|-----------------|------------|--------------|-------|------------|---------------|-------|-----------|
| 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 | % 83.7-11 | 4 | | | | | | |
| Surrogate: Toluene-d8 | 102 | % 95.3-10 | 17 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 102 | % 50.9-15 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | ed 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 | Analyze | ed 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 | % 46.3-17 | '8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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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

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

Analyzed By: MS

Project Location: EOG - LEA CO NM

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

BTEX 8260B

| B1EX 0200B | ilig | ky | Allalyze | u by: M5 | | | | | |
|---------------------------------|--------|-----------------|------------|--------------|-------|------------|---------------|-------|-----------|
| 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 | % 83.7-11 | 4 | | | | | | |
| Surrogate: Toluene-d8 | 103 | % 95.3-10 | 17 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 102 | % 50.9-15 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | ed 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 | Analyze | ed 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 100 | % 46.3-17 | '8 | | | | | | |

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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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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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| Innager: R POWS State: Zip: Address: Address: Address: | (575) 393-2326 FAX (5/5) 393-24/70 Name: P.O. #: Ianager: R Phys State: Zip: Attn: Holling Mass Address: Address: Address: | | | | KP | 4 39.3060) Project 0 | oject#: 700 |
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| | FAX (5/5) 393-24/5 ANALYSIS | | | DILL | | galon | |



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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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)

| Analyte | mg/kg | | Analyzed By: JH/ | | | | | | |
|--------------------------------------|--------|-----------------|------------------|--------------|------|------------|---------------|------|-----------|
| | 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 | % 69.9-14 | 0 | | | | | | |
| 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 133 | % 46.3-17 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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) Sample Received By: Project Number: 700438.300.01 Shalyn Rodriguez

Project Location: EOG - LEA CO NM

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 9 | 69.9-14 | 0 | | | | | | |
| 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 120 9 | % 46.3-17 | 8 | | | | | | |

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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 - 3 A 2' (H224523-03)

| BTEX 8021B | mg/ | kg | Analyze | d 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 | 104 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 117 9 | % 46.3-17 | 8 | | | | | | |

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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 - 8 A 2' (H224523-04)

| BTEX 8021B | mg/ | kg | Analyze | d 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 | 104 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d 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 | Analyze | d 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 9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 122 % | 6 46.3-17 | 8 | | | | | | |

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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 - 9 A 2' (H224523-05)

| BTEX 8021B | mg/ | kg | Analyze | d 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 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d 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 | Analyze | d 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 9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 124 9 | % 46.3-17 | 8 | | | | | | |

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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) Shalyn Rodriguez Project Number: 700438.300.01 Sample Received By:

Project Location: EOG - LEA CO NM

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

| BTEX 8021B | mg/ | kg | Analyze | d 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 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 9 | % 46.3-17 | 8 | | | | | | |

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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 - 11 A 2' (H224523-07)

| BTEX 8021B | mg/ | kg | Analyze | d 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 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 9 | 6 46.3-17 | 8 | | | | | | |

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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) Shalyn Rodriguez Project Number: 700438.300.01 Sample Received By:

Project Location: EOG - LEA CO NM

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

| BTEX 8021B | mg/ | kg | Analyze | d 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 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 9 | % 46.3-17 | 8 | | | | | | |

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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

Applyzod By: 1H /

Project Location: EOG - LEA CO NM

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

RTFY 8021R

| BIEX 8021B | mg | /кд | Anaiyze | a 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 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 87.0 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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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 - 14 A 2' (H224523-10)

| BTEX 8021B | mg/ | kg | Analyze | d 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 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.2 | % 46.3-17 | 8 | | | | | | |

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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 - 15 A 2' (H224523-11)

| BTEX 8021B | mg | /kg | Analyze | ed 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 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed 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 | Analyze | ed 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.2 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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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 - 16 A 2' (H224523-12)

| BTEX 8021B | mg | /kg | Analyze | ed 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 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed 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 | Analyze | ed 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 83.3 | % 46.3-17 | <i>'</i> 8 | | | | | | |
| | | | | | | | | | |

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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 - 17 A 2' (H224523-13)

| BTEX 8021B | mg/ | kg | Analyze | d 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 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.3 | % 46.3-17 | 8 | | | | | | |

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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) Sample Received By: Project Number: 700438.300.01 Shalyn Rodriguez

Project Location: EOG - LEA CO NM

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

| BTEX 8021B | mg/ | kg | Analyze | d 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 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 95.0 | % 46.3-17 | 8 | | | | | | |

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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) Shalyn Rodriguez Project Number: 700438.300.01 Sample Received By:

Project Location: EOG - LEA CO NM

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

| BTEX 8021B | mg/ | 'kg | Analyze | d 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 9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | /kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.7 | % 46.3-17 | 8 | | | | | | |

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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

Applyzod By: 1H /

Project Location: EOG - LEA CO NM

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

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | a 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 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 89.4 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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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 - 21 A 2' (H224523-17)

| BTEX 8021B | mg/ | kg | Analyze | d 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 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.1 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keine



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) Shalyn Rodriguez Project Number: 700438.300.01 Sample Received By:

Project Location: EOG - LEA CO NM

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

| BTEX 8021B | mg/ | kg | Analyze | d 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 % | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d 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 | Analyze | d 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 9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.1 9 | % 46.3-17 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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

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Celey D. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name: Total And State: MM 393-2476 Company Name: Total And LVC Company Name: Total Accessing the Project Manager: And Andrews: Andr | wit paid by the client for the spylicable yes after completion of the applicable yes and completion of the applicable and reasons or otherwise. Verbal Result: Yes No Add'l Phone #: Verbal Results are emailed. Please provide Email address: All Results are emailed. Please provide Email address: Verbal Results are emailed. Please provide Email address: | client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the errors of the applicable of the a | PLEASE NOTE: Liability and Damages. Cardinat's liability and oil paralyses. All claims including those for negligence and any other analyses. All claims including those for negligence and any other analyses. All claims including the liable for incidental or conservice. In no event shall Cardinal be liable for incidental or conservice. In no event shall Cardinal be liable for incidental or conservice. In no event shall cardinal be liable for incidental or conservice. In no event shall cardinal be liable for incidental or conservice. In no event shall be liable for incidental or conservice. In no event shall be liable for incidental or conservice. In no event shall be liable for incidental or conservice. In no event shall be liable for incidental or conservice. In no event shall be liable for incidental or conservice. In no event shall be liable for incidental or conservice. In no event shall be liable for incidental or conservice. In no event shall be liable for incidental or conservice. In no event shall be liable for incidental or conservice. In no event shall be liable for incidental or conservice. In no event shall be liable for incidental or conservice. In the liable for incidental or co |
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| 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Tallon LUC Project Manager: R Pas Sampler Name: Tallon LUC Project Location: Lau County Name: Tourner: Eog Rampler Name: Tourners Allon Rame: Tourners Rame: Tou | 11ME TIME 0 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | GRAB OR OF A CONTAINE GROUNDWA WASTEWAT OIL OIL SLUDGE OTHER: ACID/BASE A CID/BASE OTHER: | 2222222 |
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|---|--|---|------------------------------|--|---|
| Cardinal cannot accept verbal changes. Flease communications of the control of the cardinal cannot accept verbal changes. | Received By: Remarks: Remarks: | 5 5-18 A 3 3-16 5-10 A 3 3-16 5-30 A 3 3-16 | | City: State: Zip: Phone #: Pax #: PRESERV. SAMPLING A:: | P.O. #: Company: Attn: Address: |
| | All Results are emailed. Please provide Email address: All Results are emailed. Please provide Email address: REMARKS: REMARKS: Bacteria (only) Sample Condition Cool Infact Observed Temp. °C Correction Factor -0.6°C C | | BT. | TX | ANALYSIS REQUEST |



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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Reported: 09/23/2022 Sampling Type: Soil Project Name: KEMNITZ SOUTH AFL STATE 1 Sampling Condition: Cool

Project Name: KEMNITZ SOUTH AFL STATE 1 Sampling Condition: Cool & Intact
Project Number: 700438.300.01 Sample Received By: Shalyn Rodriguez

Applyand By 14

Project Location: EOG - LEA CO NM

ma /ka

Sample ID: SW - 1 (H224384-01)

DTEV 0021D

| BTEX 8021B | mg | /kg | Analyze | d 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 | 95.9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 114 | % 46.3-17 | 8 | | | | | | |

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Celey D. Keene



Analytical Results For:

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

Received: 09/21/2022 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 - 2 (H224384-02)

Reported:

| BTEX 8021B | mg/ | kg | Analyze | d 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 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d 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 | Analyze | d 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 113 % | 6 46.3-17 | 8 | | | | | | |

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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

Analyzed By: JH

Project Location: EOG - LEA CO NM

mg/kg

Sample ID: SW - 3 (H224384-03)

BTEX 8021B

| | 9, | 9 | 7 | 7: 5:: | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| 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 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed 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 | Analyze | ed 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 117 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



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

Analyzed By: JH

Project Location: EOG - LEA CO NM

mg/kg

Sample ID: SW - 4 (H224384-04)

BTEX 8021B

| | 9, | 9 | 7 | 7: 5:: | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| 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 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed 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 | Analyze | ed 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 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 115 | % 46.3-17 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Notes and Definitions

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

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.

many metrorence si

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

QM-07

** 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

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Celeg D. Freene

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| | | | AMAIN | |
|---|---|---|---|------------------|
| company Name: AION LPE | | BILL 10 | ANALTSIS | טוט אבעטבטו |
| Project Manager: R. Pons | | P.O. #: | | |
| Address: 408 W. Texas Ave | | Company: | | |
| city: Artesia state: NM | zip: 88210 | Attn: | | |
| e#: 575.746.8768 F | | Address: | | |
| Project #: 105438.300.01 Project Owner: | E & | City: | | |
| A | | State: Zip: | | |
| Project Location: (Sec. | | Phone #: | | |
| Sampler Name: H. Paroux | | Fax #: | | |
| | MATRIX | PRESERV. SAMPLING | IG | |
| Lab I.D. Sample I.D. | (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE | OTHER: ACID/BASE: ICE / COOL OTHER: DATE | BTer TPU. | |
| 1.ms | 7 | | 1.8 | |
| 2 50.0 | 0 | | | |
| 3 563 | 1 1 7 | | 3 | |
| 4 564 | 0 1 | < | 25 1 4 4 | |
| | | | | |
| PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoewer shall be deemed waived unless made in writing and received by Cardinal whith. 30 days after competion of the applicable service, in no event shall Cardinal be liable for incidental or consequential amages, including without limitation, business interruptions, loss of use, or loss of profile incurred by client, its absolutions, affiliated and or cardinal by the advise stated reasons or otherwise. | medy for any claim arising whether based in contract or tort, shall be limited to the amount re shall be deemed walved unless made in writing and neclived by Cardinal within 30 derived by shall be not shall be desired within 30 derived by so, including without limitation, business interruptions, loss of use, or loss or profile incurred by shall be above stated under by Cardinal, reparties of whether such claim is based upon any of the above stated under by Cardinal, reparties of whether such claim is based upon any of the above stated in the state of the | ct or tort, shall be limited to the amount pak nd received by Cardinal within 30 days afte s, joss of use, or loss of profits incurred by on is based upon any of the above staked res | id by the client for the er compelion of the applicable cfent, its substituties, asons or otherwise. | |
| hed By: Date: Time: Hed By: Date: | Received By: | que d | Phone Result: | none #: nx #: |
| Delivered By: (Circle One) | <u>e</u> |) 0 | | |
| . 5 4. | Cool Intact Tres Tres | es (Initials) | | |

Page 7 of 7



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 Te | Telephone 575-748-1471 |
| Contact email Jeremy_Haass@eogresources.com | | | sources.com | Incident # | # nAPP2224439131 |
| Contact mail | ing address | 104 S. 4th Stre | eet, Artesia, NM | 1 88210 | |
| | | | Location | of Release So | Source |
| Latitude 32.87302 (NAD 83 in decimal deg | | | (NAD 83 in dec | Longitude _cimal degrees to 5 decim | -103.59812 imal places) |
| Site Name Ke | emnitz Soı | uth AFL State # | ‡ 1 | Site Type | Well Pad |
| Date Release | Discovered | 9/1/2022 | | API# 30-0 | 025-31636 |
| Unit Letter | Section | Township | Range | Coun | inty |
| 0 | 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) | | | | | |
| Crude Oil | | | ed (bbls) Unknov | vn | Volume Recovered (bbls) |
| ✓ Produced Water Volume Released (bbls) Unknown | | | Volume Recovered (bbls) | | |
| Is the concentration of dissolved chloride produced water >10,000 mg/l? | | | >10,000 mg/l? | hloride in the | ✓ Yes □ No |
| | Condensate Volume Released (bbls) | | | Volume Recovered (bbls) | |
| Natural Gas Volume Released (Mcf) | | | Volume Recovered (Mcf) | | |
| Other (de | scribe) | Volume/Weight | Released (provide | e units) | Volume/Weight Recovered (provide units) |
| Cause of Rele | HISTO envir base | onmental cons | ultant contracte area footprint, t | ed to investigate | commissioning of the location. The ethe area determined on 9/1/2022 ethe more than likely breached the |

Received by OCD: 11/30/2022 3:23:40 PM Form C-141 State of New Mexico Page 2 Oil Conservation Division

| | Page 15 / 0j 14 |
|-------------|-----------------|
| Incident ID | |
| District RP | |
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Application ID

| Was this a major release as defined by | If YES, for what reason(s) does the respon | sible party consider this a major release? |
|--|--|--|
| 19.15.29.7(A) NMAC? | | |
| ☐ Yes ☑ No | | |
| | | |
| If YES, was immediate no | otice given to the OCD? By whom? To wh | om? When and by what means (phone, email, etc)? |
| ir 128, was immediate in | once given to the Godin by whomis to wh | sin. When and by what means (phone, chain, etc). |
| | | |
| | Initial Re | sponse |
| The responsible p | party must undertake the following actions immediately | unless they could create a safety hazard that would result in injury |
| ☐ The source of the rele | ease has been stopped. | |
| ✓ The impacted area has | s been secured to protect human health and | he environment. |
| | | kes, absorbent pads, or other containment devices. |
| <u> </u> | ecoverable materials have been removed and | |
| If all the actions described | d above have <u>not</u> been undertaken, explain v | hy: |
| | | |
| | | |
| | | |
| | | |
| has begun, please attach a | a narrative of actions to date. If remedial e | mediation immediately after discovery of a release. If remediation fforts have been successfully completed or if the release occurred ease 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: Jeremy I | | Title: Sr. Safety & Environmental Specialist |
| Signature: | 5 | Date: 9/1/2022 |
| email: jeremy_haass@ | eogresources.com | Telephone: 575-748-1471 |
| | | |
| OCD Only | | |
| Received by: | | Date: |

M Page 138 of 146 tate of New Mexico

| Incident ID | nAPP2224439131 |
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| District RP | |
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| 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? | N/A (ft bgs) | |
|--|--------------|--|
| Did this release impact groundwater or surface water? | ☐ Yes 🏿 No | |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes 🄀 No | |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | ☐ Yes 🄀 No | |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes 🔀 No | |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | ☐ Yes 🄀 No | |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ☒ No | |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ☒ No | |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes 🏻 No | |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes 🄀 No | |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes 🔀 No | |
| Are the lateral extents of the release within a 100-year floodplain? | | |
| Did the release impact areas not on an exploration, development, production, or storage site? | ☐ Yes 🔀 No | |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. | | |
| Characterization Report Checklist: Each of the following items must be included in the report. | | |
| Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody | | |

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

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| Incident ID | nAPP2224439131 |
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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: Ty Huss | Date: 11/30/2022 | |
| email: jeremy_haass@eogresources.com | Telephone: <u>575-748-4311</u> | |
| | | |
| OCD Only | | |
| Received by:Jocelyn Harimon | Date:11/30/2022 | |

Received by OCD: 11/30/2022 3:23:40 PM Form C-141 State of New Mexico Page 5 Oil Conservation Division

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|----------------|----------------|----|
| Incident ID | | |
| District RP | | |
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Remediation Plan

| Remediation Plan Checklist: Each of the following items must b | e included in the plan. |
|--|--|
| □ Detailed description of proposed remediation technique □ Scaled sitemap with GPS coordinates showing delineation poin □ Estimated volume of material to be remediated □ Closure criteria is to Table 1 specifications subject to 19.15.29. □ Proposed schedule for remediation (note if remediation plan tin | 12(C)(4) NMAC |
| Deferral Requests Only: Each of the following items must be con- | nfirmed as part of any request for deferral of remediation. |
| Contamination must be in areas immediately under or around p deconstruction. | roduction equipment where remediation could cause a major facility |
| Extents of contamination must be fully delineated. | |
| Contamination does not cause an imminent risk to human healt | n, the environment, or groundwater. |
| | e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of |
| Printed Name: | Title: |
| Signature: | Date: |
| email: | Telephone: |
| OCD Only | |
| Received by: | Date: |
| ☐ Approved | Approval |
| Signature: | Date: |

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| Incident ID | NAPP2224439131 |
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| District RP | |
| Facility ID | |
| Application ID | |

Closure

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

| Closure Report Attachment Checklist: Each of the following is | tems 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 ODG) | C District office must be notified 2 days prior to final sampling) | |
| Description of remediation activities | | |
| | | |
| and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rerhuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification to the O | ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in | |
| Printed Name: | Title: Sr. Safety & Enviromental Specialist | |
| Signature: Ty Huss | Date: 11/30/22 | |
| _{email:} jeremy_Haass@eogresources.com | Telephone: 575-748-1471 | |
| | | |
| OCD Only | | |
| Received by: Jocelyn Harimon | Date:11/30/2022 | |
| | of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible 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; 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 < <u>Artesia S&E Spill Remediation@eogresources.com</u>>; 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 Hverta Regulatory Specialist Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com

beog resources

Artesia Division



Appendix VI

Seed Tag

BLM 2 Mixture Lot #: 2599

Bag Wt: 20.37

| | % Mix | | Day W. 20.3/ | | | |
|---|---|----------------------|--------------|---------------------------------|-------------------------------------|---|
| egrass, Variety Not Stated seed, Variety Not Stated grass, Bend ged Mix | 50.95% 24.39% 24.01% 0.00% 99.35% | Oklahoma Colorado | | Germ 0.00% 21.00% 77.00% 32.42% | 0.00% 77.00% 21.00% 44.58% | Test Date 7/2022 5/2022 5/2022 7/2022 |
| er: ed: cop: | 0.63% 0.01% 0.01% | | | | | |

.is Weed: None

com

Texas Permit: 2772

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

4500 North Prince, Clovis, NM 8810 per acre amd 2.263 pounds per
(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

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

CONDITIONS

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