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Final Closure Report

Grizzly Operating, LLC State L "A" Tr 1.2 Lea County, New Mexico Unit Letter "G", Section 1, Township 17 South, Range 36 East Latitude 32.86755 North, Longitude 103.30454 West NMOCD Incident # nCH1828533458; NCE2002946094

Prepared For:

Grizzly Operating, LLC 4001 Penbrook, Suite 201 Odessa, TX 79762

Prepared By:

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September 2020

Project Manager

Sr. Project Manager

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HUNGRY HORSE, LLC

The following *Final Closure Report* serves as a condensed update on remediation activities undertaken at the afore referenced Site.

Background:

The site is located in Unit Letter G (SW/NE), Section 1, Township 17 South, Range 36 East, approximately 5 miles south east of Lovington, in Lea County, New Mexico. The property is owned by the City of Lovington. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

There are two releases that occurred at the tank battery; latitude 32.867542 North, Longitude 103.304416 West. The initial NMOC Form C-141's indicated that the first release occurred on September 30, 2018 when approximately 13 bbls of produced water were released when the transfer pump failed to kick on causing the water tank to run over. A vacuum truck was dispatched to the site and recovered approximately 25 bbls of fluid, estimated at 13 bbls of produced water and 12 bbls to be rain water. The second release occurred on November 25, 2019 when 100 bbls of oil and 172 bbls of produced water were released due to a plugged dump valve on the free water knockout. Vacuum trucks recovered 100 bbls of oil and 130 bbls of produced water. Both releases were confined to containment and were remediated concurrently. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. The Remediation and Closure pages of the NMOCD Form C-141 are included as Attachment V.

NMOCD Site Classification:

A search of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) groundwater databases was completed in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Approximate depth to groundwater was determined using maintained and published water well data. Karst mapping indicates the site is not located in a Karst designated area. Depth to groundwater information is provided as Attachment II and the results are depicted on Figures 2 & 3.

Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

| Depth to Groundwater | Constituent | Method | Limit | |
|-------------------------|-----------------------|-----------------------------------|--------------|--|
| | Chloride | EPA 300.0 or SM4500 CLB | 10,000 mg/kg | |
| | TPH (GRO + DRO + MRO) | EPA SW-846 Method 8015M Ext | 2,500 mg/kg | |
| 51' – 100' | DRO + GRO | EPA SW-846 Method 8015M | 1,000 mg/kg | |
| | BTEX | EPA SW-846 Methods 8021B or 8260B | 50 mg/kg | |
| | Benzene | EPA SW-846 Methods 8021B or 8260B | 10 mg/kg | |



Delineation and Remediation Activities:

From October 17 through 30, 2018, White Buffalo Environmental conducted an initial site assessment. During the initial site assessment, a series of hand augered soil bores were advanced within the release area in an effort to determine the vertical extent of soil impacts. In addition, hand augered soil bores were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of soil impacts. During the advancement of the hand augered soil bores, soil samples were collected and field screened for the presence of Volatile Organic Compounds utilizing a Photoionization Detector (PID). Chloride concentrations were determined via titration by use of a La Motte chloride kit.

A total of thirty-four (34) delineation soil samples, SP1 through SP28, and SW1 through SW6, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. However, laboratory analytical results indicated TPH concentrations above the NMOCD Closure Criteria in ten (10) of the submitted soil samples.

From August 8 through 12, 2019, Hungry Horse conducted additional sampling at the site. A series of hand augered soil bores were advanced within the release area and along the edges of the release area to determine the vertical and horizontal extents of soil impacts. Soil samples were collected and field screened utilizing a PID and La Motte chloride kit.

A total of eighteen (18) soil samples, SP1 through SP18 were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. However, laboratory analytical results indicated TPH concentrations above the NMOCD Closure Criteria in all but four (4) of the submitted soil samples.

On August 13, 2019, remediation activities began. The release area was excavated to an approximate depth of one (1) foot bgs. Excavated soil was temporarily stockpiled on site, atop plastic, until transported to an NMOCD approved disposal facility.

On August 20 and 21, 2019, Hungry Horse collected thirty (30) excavation confirmation soil samples. The samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. However, laboratory analytical results indicated TPH concentrations above the NMOCD Closure Criteria in ten (10) of the submitted soil samples.

The excavation had been backfilled, however, on November 25, 2019, a second release occurred at the site before Hungry Horse could resume excavation activities at the sample



locations indicated by laboratory analytical results as exhibiting elevated TPH concentrations.

On December 5, 2019, Etech Environmental conducted an initial site assessment of the second release. During the initial site assessment, a series of samples were collected within the release area in an effort to determine the vertical extent of soil impacts. In addition, samples were collected at the inferred edges of the affected area in an effort to determine the horizontal extent of soil impacts.

A total of nineteen (19) soil samples from twelve (12) sample locations, SP#1 through SP#5, NH-1, EH-1, EH-2B, SH-1B, SH-2B, WH-1B, and WH-2B, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of SP#3 @ 2', SP#4 @ 2', and SH-2B @ 2', which indicated GRO+DRO and/or TPH concentrations above the NMOCD Closure Criteria.

On January 6 and 7, 2020, Hungry Horse conducted additional sampling at the site. A series of hand augered soil bores were advanced within the release area and along the edges of the release area to determine the vertical and horizontal extents of soil impacts. Soil samples were collected and field screened utilizing a PID and La Motte chloride kit.

Twelve (12) soil samples from twelve (12) sample locations, SP1 through SP5, and SW1 through SW7, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of SP1 @ 2', SP2 @ 2', SP3 @ 2', and SP4 @ 2', which indicated GRO+DRO and/or TPH concentrations above the NMOCD Closure Criteria.

Beginning in January 2020, Grizzly Operating began deconstruction of the facility to allow for excavation activities. Deconstruction commenced on the east side of the facility and proceeded to the west side. When the facility had been removed, excavation activities commenced.

From mid-January through mid-February 2020, the area was excavated to a depth of approximately four and a half feet bgs. Excavation of the area proceeded from the east to the west with impacted soil temporarily stockpiled on site, atop plastic, until transported to an NMOCD approved disposal facility.

On January 29, 2020, one (1) composite sample was collected from the excavation floor. The sample, Bottom Composite, was sent to the lab for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria for the submitted sample.



On February 20, 2020, two (2) composite samples were collected from the excavation floor. The two samples, Top and E1, were sent to the lab for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria for the submitted samples.

On February 26, 2020, final composite closure samples were collected from the excavation floor and sidewalls. Sampling began at the eastern end of the excavation, the area that would be beneath the reconstructed facility. During preparation of this Closure Report it was discovered that not all of the confirmation closure samples had been submitted. Only eight of the composite closure samples that were collected, SW1 through SW6, Composite Mix 1 and Composite Mix 2, were sent to the lab for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria for each of the submitted samples. For unknown reasons the remaining composite samples collected were never sent to the lab.

Having received laboratory analytical results from submitted confirmation samples, and in preparation of facility reconstruction, the excavation was backfilled. The excavation was backfilled with non-impacted, like material, and brought back to at, or near, original relative position. Upon completion of backfill activities, facility reconstruction began.

On August 3, 2020, Hungry Horse personnel mobilized on site to collect additional closure samples, as most of the samples collected on February 26, 2020, expired before being sent to the lab. As the excavation had been backfilled and the facility rebuilt on the location, there were limitations in the collection of samples. The area under the rebuilt facility could not be sampled, however, as the rebuilt facility is smaller than it was previously, the area outside of the facility, but still within the area that was excavated, could be sampled. These samples were collected via hand auger with five sample points collected within a 500 sq. ft. area and composited. The composited samples were jarred and sent to the lab for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria for each of the submitted samples.

A 2018 Delineation Map, 2019 Delineation Map, and a Confirmation Sample Location Map are provided as Figure 4, Figure 5 and Figure 6, respectively. All field data that could be gathered is provided as Attachment III. A Summary of Soil Sample Laboratory Analytical Results is provided as Table 1 and Laboratory Analytical Reports are provided as Attachment IV.

The affected area measured approximately 223 ft. in length and 49 ft. to 64 ft. in width. During remediation activities approximately 2,133 cubic yards of impacted soil were hauled to an NMOCD-approved disposal facility.



Restoration, Reclamation, and Re-Vegetation:

The affected area was contoured to achieve erosion control and preserve surface water flow. Affected areas not on production areas will be reseeded with an approved seed mixture during the first favorable growing season following closure of the site.

Closure Request:

Remediation activities were conducted in accordance with applicable NMOCD Regulations. The affected area was excavated and soil transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.

Based on laboratory analytical results and field activities conducted to date, Hungry Horse recommends Grizzly Energy provide copies of this *Final Closure Report* to the appropriate agencies and request closure be granted to the State L "A" Tr 1.2 Site.

Limitations:

Hungry Horse, LLC, has prepared this Site Assessment and Remediation Work Plan to the best of its ability. No other warranty, expressed or implied, is made or intended. Hungry Horse has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Hungry Horse has not conducted an independent examination of the facts contained in referenced materials and statements. Hungry Horse has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Hungry Horse notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.



Distribution:

Grizzly Energy 4001 Penbrook, Suite 201 Odessa, TX 79762

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1625 N. French Drive
Hobbs, NM 88240

Figures

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Figure 2

OSE POD Locations Map Grizzly Energy State L "A" Tr 1.2 GPS: 32.867542, -103.304416

Lea County

Legend:

- State L "A" Tr 1.2 Location
- Active OSE Water Well
- Pending OSE Water Well
- Plugged OSE Water Well

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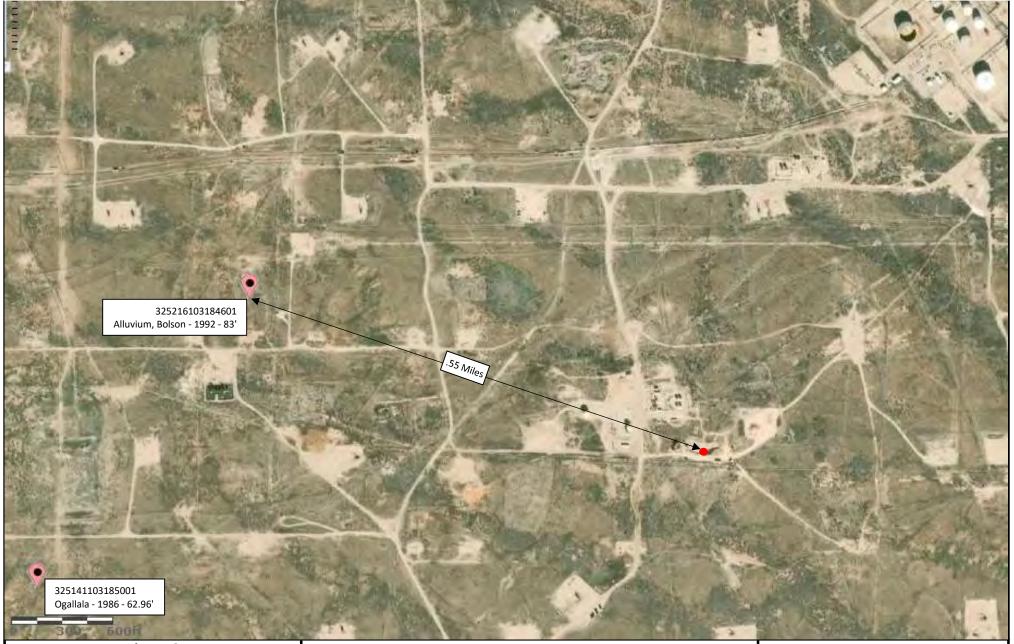
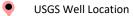


Figure 3

USGS Well Locations Map Grizzly Energy State L "A" Tr 1.2 GPS: 32.867542, -103.304416 Lea County

Legend:

State L "A" Tr 1.2 Location



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Figure 6

Confirmation Sample Location Map Grizzly Energy State L "A" Tr 1.2 GPS: 32.867542, -103.304416

Lea County

Legend:

SP1 Composite Sample Location

Excavated Area



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Date:

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Tables

Summary of Soil Sample Laboratory Analytical Results Grizzly Energy State L "A" Tr 1.2

NMOCD Ref. #: nCH1828533458; NCE2002946094

| NIVIOLD Rel. #. IICH1020333430; NCE2002340034 | | | | | | | | | | | |
|---|--------------|---------------|-------------|--------------------|-----------------|---|--|--|--|---|---------------------|
| Sample ID | Date | Depth (ft) | Soil Status | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| SP1 | 10/17/18 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 13.3 | 13.3 | <10.0 | 13.3 | 176 |
| SP2 | 10/30/18 | 1 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 848 |
| SP3 | 10/30/18 | 1 | Excavated | <0.050 | <0.300 | <50.0 | 706 | 706 | 303 | 1,009 | 544 |
| SP4 | 10/17/18 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 17.4 | 17.4 | 14 | 31.4 | 352 |
| SP5 | 10/17/18 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 236 | 236 | 140 | 376 | 64 |
| SP6 | 10/30/18 | 2 | Excavated | <0.050 | <0.300 | <50.0 | 4,600 | 4,600 | 978 | 5,578 | 96 |
| SP7 | 10/26/18 | 2 | Excavated | <0.025 | 0.213 | 136 | 5,880 | 6,016 | 1,270 | 7,286 | 128 |
| SP8 | 10/29/18 | 2 | Excavated | <0.025 | 1.49 | 139 | 2,600 | 2,739 | 519 | 3,258 | 304 |
| SP9 | 10/30/18 | 2 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 16 |
| SP10 | 10/30/18 | 2 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 48 |
| SP11 | 10/30/18 | 2 | Excavated | <0.050 | <0.300 | <10.0 | 47.3 | 47.3 | <10.0 | 47.3 | 240 |
| SP12 | 10/26/18 | 2 | Excavated | <0.050 | <0.300 | <10.0 | 62 | 62 | 34.2 | 96.2 | 80 |
| SP13 | 10/26/18 | 2 | Excavated | <0.050 | <0.300 | 14.6 | 222 | 236.6 | 43.1 | 279.7 | 336 |
| SP14 | 10/25/18 | 4 | Excavated | <0.050 | <0.300 | 30 | 1,790 | 1,820 | 358 | 2,178 | 256 |
| SP15 | 10/25/18 | 4 | Excavated | <0.050 | <0.300 | <10.0 | 161 | 161 | 47 | 208 | 592 |
| SP16 | 10/25/18 | 4 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 432 |
| SP17 | 10/26/18 | 3 | Excavated | <0.050 | <0.300 | <10.0 | 88.1 | 88.1 | 30.9 | 119 | 240 |
| SP18 | 10/23/18 | 3 | Excavated | <0.050 | <0.300 | 10.3 | 872 | 882.3 | 254 | 1,136.3 | 352 |
| SP19 | 10/26/18 | 3 | Excavated | 0.364 | 10.1 | 1,550 | 11,000 | 12,550 | 1,630 | 14,180 | 944 |
| SP20 | 10/23/18 | 3 | Excavated | <0.050 | <0.300 | <10.0 | 176 | 176 | 46.6 | 222.6 | 448 |
| SP21 | 10/17/18 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 330 | 330 | 292 | 622 | 32 |
| SP22 | 10/17/18 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 101 | 101 | 81.5 | 182.5 | 64 |
| SP23 | 10/17/18 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 108 | 108 | 78.2 | 186.2 | 80 |
| SP24 | 10/29/18 | 2 | Excavated | <0.050 | <0.300 | 26.8 | 1,460 | 1,486.8 | 463 | 1,949.8 | 368 |
| SP25 | 10/29/18 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 1,510 | 1,510 | 1,110 | 2,620 | 128 |
| SP26 | 10/29/18 | 2 | Excavated | <0.100 | 19.1 | 543 | 5,200 | 5,743 | 656 | 6,399 | 304 |
| SP27 | 10/29/18 | 3 | Excavated | <0.050 | <0.030 | <10.0 | 43.4 | 43.4 | 24.4 | 67.8 | 96 |
| SP28 | 10/26/18 | 1 | Excavated | <0.025 | 0.172 | 26.8 | 1,430 | 1,456.8 | 438 | 1,894.8 | 352 |
| SW1 | 10/29/18 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 29 | 29 | 19.2 | 48.2 | 1,470 |
| SW2 | 10/29/18 | Surf | Excavated | <0.050 | <0.300 | <10.0 | 4,160 | 4,160 | 714 | 4,874 | 320 |
| SW3 | 10/29/18 | 1 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32 |
| SW4 | 10/29/18 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 34.7 | 34.7 | <10.0 | 34.7 | 320 |
| SW5 | 10/29/18 | 1 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 1,330 |
| SW6 | 10/29/18 | 1 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32 |
| NMOCD (| losure Crite | ria | | 10 | 50 | - | - | 1,000 | - | 2,500 | 10,000 |

Summary of Soil Sample Laboratory Analytical Results Grizzly Energy State L "A" Tr 1.2

NMOCD Ref. #: nCH1828533458; NCE2002946094

| NMOCD Ref. #: nCH1828533458; NCE2002946094 | | | | | | | | | | | |
|--|---------------|---------------|-------------|--------------------|---------|---------------------------------|----------------------------------|---------------------------------|--|---------------------------------|---------------------|
| | | Donth | | Renzono | ВТЕХ | GRO | DRO | GRO + DRO | ORO | ТРН | Chlorida |
| Sample ID | Date | Depth (ft) | Soil Status | Benzene (mg/kg) | (mg/kg) | C ₆ -C ₁₀ | C ₁₀ -C ₂₈ | C ₆ -C ₂₈ | C ₂₈ -C ₃₆ | C ₆ -C ₃₆ | Chloride (mg/kg) |
| | | (1.4) | | (6/6/ | (6/6/ | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (6/6/ |
| SP1 | 8/12/19 | 2 | Excavated | <0.050 | <0.300 | <100 | 4,640 | 4,640 | 1,770 | 6,410 | 496 |
| SP2 | 8/12/19 | 2 | Excavated | <0.050 | <0.300 | <50.0 | 2,060 | 2,060 | 1,010 | 3,070 | 1,440 |
| SP3 | 8/12/19 | 2 | Excavated | <0.050 | <0.300 | <50.0 | 4,390 | 4,390 | 1,690 | 6,080 | 1,420 |
| SP4 | 8/12/19 | 2 | Excavated | <0.050 | <0.300 | 139 | 6,230 | 6,369 | 1,940 | 8,309 | 1,170 |
| SP5 | 8/12/19 | 1 | Excavated | <0.050 | 1.63 | 72.7 | 9,660 | 9,733 | 3,770 | 13,503 | 1,140 |
| SP6 | 8/12/19 | 1 | Excavated | <0.050 | <0.300 | <50.0 | 9,130 | 9,130 | 3,410 | 12,540 | 784 |
| SP7 | 8/12/19 | 2 | Excavated | <0.050 | <0.300 | <100 | 18,200 | 18,200 | 7,320 | 25,520 | 800 |
| SP8 | 8/12/19 | 2 | Excavated | <0.050 | <0.300 | <50.0 | 2,370 | 2,370 | 1,200 | 3,570 | 704 |
| SP9 | 8/12/19 | 2 | Excavated | <0.050 | <0.300 | <50.0 | 10,100 | 10,100 | 3,120 | 13,220 | 208 |
| SP10 | 8/12/19 | 2 | Excavated | <0.500 | <0.300 | <10.0 | <10.0 | <10.0 | 17 | 16.6 | 1,600 |
| SP11 | 8/8/19 | 2 | Excavated | <0.050 | <0.300 | <10.0 | 129 | 129 | 82 | 210.5 | 752 |
| SP12 | 8/8/19 | 2 | Excavated | <0.050 | <0.300 | 199 | 5,340 | 5,539 | 1,320 | 6,859 | 16 |
| SP13 | 8/8/19 | 2 | Excavated | <0.050 | <0.300 | <50.0 | 142 | 142 | 186 | 328 | 48 |
| SP14 | 8/8/19 | 1 | Excavated | <0.050 | <0.300 | <50.0 | 1,080 | 1,080 | 568 | 1,648 | 304 |
| SP15 | 8/8/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 1,160 | 1,160 | 551 | 1,711 | 64 |
| SP16 | 8/8/19 | 1 | Excavated | <0.050 | <0.300 | <50.0 | 356 | 356 | 236 | 592 | 144 |
| SP17 | 8/8/19 | 1 | Excavated | <0.050 | <0.300 | <100 | 12,600 | 12,600 | 4,680 | 17,280 | 144 |
| SP18 | 8/8/19 | 1 | Excavated | <0.050 | <0.300 | <50.0 | 2,990 | 2,990 | 1,260 | 4,250 | 112 |
| SW-E | 8/20/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 1,040 |
| SW-W | 8/20/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 768 |
| SW-S | 8/20/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 142 | 142 | 99 | 240.9 | 2,240 |
| SW-N | 8/20/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 112 |
| Closure 1 - SP1 | 8/20/19 | 1 | Excavated | <0.050 | <0.300 | <50.0 | 2,650 | 2,650 | 1,500 | 4,150 | 2,120 |
| Closure 1 - SP2 | 8/20/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 1,260 | 1,260 | 597 | 1,857 | 976 |
| Closure 1 - SP3 | 8/20/19 | 1 | Excavated | <0.050 | <0.300 | <50.0 | 4,840 | 4,840 | 1,960 | 6,800 | 544 |
| Closure 1 - SP4 | 8/20/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 1,180 | 1,180 | 404 | 1,584 | 464 |
| Closure 1 - SP5 | 8/20/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 998 | 998 | 331 | 1,329 | 448 |
| Comp 1 | 8/20/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 1,920 | 1,920 | 729 | 2,649 | 576 |
| Closure 2 - SW1 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32 |
| Closure 2 - SW2 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 16 |
| Closure 2 - SW3 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 16 |
| Closure 2 - SW4 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 16 |
| Closure 2 - SP1 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 2,060 | 2,060 | 1,200 | 3,260 | 1,760 |
| Closure 2 - SP2 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 2,350 | 2,350 | 1,390 | 3,740 | 1,870 |
| Closure 2 - SP3 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 1,430 | 1,430 | 701 | 2,131 | 640 |
| Closure 2 - SP4 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 1,190 | 1,190 | 600 | 1,790 | 560 |
| Closure 2 - SP5 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <50.0 | 935 | 935 | 399 | 1,334 | 1,020 |
| Comp 2 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | | | 869 | | 848 |
| Closure 3 - SW1 | | | Excavated | <0.050 | <0.300 | <10.0 | 1,460 | 1,460 <10.0 | | 2,329 | 16 |
| | 8/21/19 | 1 | | | | | <10.0 | | <10.0 | <10.0 | |
| Closure 3 - SW2 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| Closure 3 - SW3 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 16 |
| Closure 3 - SW4 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 16 |
| Closure 3 - SP1 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 241 | 241 | 230 | 471 | 768 |
| Closure 3 - SP2 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 244 | 244 | 230 | 474 | 848 |
| Closure 3 - SP3 | 8/21/19 | . 1 | Excavated | <0.050 | <0.300 | <10.0 | 223 | 223 | 229 | 452 | 1,040 |
| NMOCD (| Closure Crite | ría | | 10 | 50 | - | - | 1,000 | - | 2,500 | 10,000 |

NOTES:

Summary of Soil Sample Laboratory Analytical Results Grizzly Energy State L "A" Tr 1.2

NMOCD Ref. #: nCH1828533458; NCE2002946094

| NMOCD Ref. #: nCH1828533458; NCE2002946094 | | | | | | | | | | I | |
|--|--------------|-----------|-------------|---------|---------|--|---|--|---|--|----------|
| Sample ID | Date | Depth | Soil Status | Benzene | ВТЕХ | GRO C ₆ -C ₁₀ | DRO C ₁₀ -C ₂₈ | GRO + DRO | ORO C ₂₈ -C ₃₆ | TPH C ₆ -C ₃₆ | Chloride |
| Sumpro 15 | | (ft) | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | C ₆ -C ₂₈ (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Closure 3 - SP4 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 382 | 382 | 350 | 732 | 784 |
| Closure 3 - SP5 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 394 | 394 | 339 | 733 | 576 |
| Comp 3 | 8/21/19 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 287 | 287 | 302 | 589 | 912 |
| SP#1@2' | 12/5/19 | 2 | Excavated | <0.050 | 0.923 | <10.0 | 227 | 227 | 175 | 402 | 1,840 |
| SP#1@2 SP#2@2' | 12/5/19 | 2 | Excavated | 0.058 | 3.67 | 17.7 | 831 | 848.7 | 714 | 1,562.7 | 272 |
| SP#2@2 SP#3@2' | 12/5/19 | 2 | Excavated | 17.2 | 350 | | | 31,910 | | 37,640 | 848 |
| | | 2 | Excavated | 0.155 | 18.6 | 4,810 190 | 27,100 1,190 | | 5,730 192 | 1,572 | |
| SP#4@2' | 12/5/19 | 2 | | | | | - | 1,380 | | | 112 |
| SP#5@2' | 12/5/19 | | Excavated | <0.050 | 0.846 | <10.0 | 65.6 | 65.6 | 29.4 | 95 | 64 |
| NH-1 | 12/5/19 | Surf | In-Situ | <0.050 | 1.57 | <10.0 | 12.8 | 12.8 | <10.0 | 12.8 | 16 |
| NH-1 | 12/5/19 | 2 | In-Situ | <0.050 | 3.64 | 22 | 22 | 44 | <10.0 | 44 | 32 |
| EH-1 | 12/5/19 | Surf | In-Situ | <0.050 | <0.300 | <10.0 | >10.0 | <10.0 | <10.0 | <10.0 | 32 |
| EH-1 | 12/5/19 | 2 Surf | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 48 |
| EH-2B | 12/5/19 | Surf | In-Situ | <0.050 | <0.300 | <10.0 | 183 | 183 | 110 | 293 | 336 |
| EH-2B | 12/5/19 | 2 Curf | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 16 |
| SH-1B | 12/5/19 | Surf | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 256 |
| SH-1B | 12/5/19 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 208 |
| SH-2B | 12/5/19 | Surf | Excavated | <0.050 | <0.300 | <10.0 | 315 | 315 | 198 | 513 | 240 |
| SH-2B | 12/5/19 | 2 | Excavated | <0.050 | <0.300 | <10.0 | 1,040 | 1,040 | 625 | 1,665 | 160 |
| WH-1B | 12/5/19 | Surf | In-Situ | <0.050 | <0.300 | <10.0 | 281 | 281 | 118 | 399 | 208 |
| WH-1B | 12/5/19 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32 |
| WH-2B | 12/5/19 | Surf | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 16 |
| WH-2B | 12/5/19 | 2 | In-Situ | <0.050 | <0.300 | >10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 16 |
| SP1 | 1/6/20 | 2 | Excavated | 0.0890 | 4.489 | 57.1 | 1,300 | 1,357.1 | 495 | 1,852.1 | 1,110 |
| SP2 | 1/6/20 | 2 | Excavated | 2.93 | 72.53 | 351 | 9,030 | 9,381 | 3,440 | 12,821 | 195 |
| SP3 | 1/6/20 | 2 | Excavated | 64.3 | 601.3 | 2,140 | 45,500 | 47,640 | 6,490 | 54,130 | 559 |
| SP4 | 1/6/20 | 2 | Excavated | 0.0985 | 3.3725 | 49.3 | 2,070 | 2,119.3 | 646 | 2,765.3 | 751 |
| SP5 | 1/6/20 | 2 | Excavated | 0.0695 | 0.266 | ND | 960 | 960 | 1,260 | 2,220 | ND |
| SW1 | 1/7/20 | 2 | Excavated | ND | ND | ND | 52.8 | 52.8 | 71.6 | 124.4 | 43 |
| SW2 | 1/7/20 | 2 | Excavated | ND | ND | ND | 48.7 | 48.7 | 61.8 | 110.5 | 42 |
| SW3 | 1/7/20 | 2 | Excavated | ND | ND | ND | 256 | 256 | 295 | 551 | ND |
| SW4 | 1/7/20 | 2 | Excavated | ND | ND | ND | 203 | 203 | 264 | 467 | ND |
| SW5 | 1/7/20 | 2 | Excavated | ND | ND | ND | 328 | 328 | 290 | 618 | ND |
| SW6 | 1/7/20 | 2 | Excavated | ND | ND | ND | 145 | 145 | 139 | 284 | 491 |
| SW7 | 1/7/20 | 2 | Excavated | ND | 0.179 | ND | 327 | 327 | 127 | 454 | 20.4 |
| Bottom Composite | 1/29/20 | 4.5 | In-Situ | ND | 0.1688 | ND | 388 | 388 | 133 | 521 | 75.2 |
| Тор | 2/20/20 | 4.5 | In-Situ | ND | ND | ND | 263 | 263 | 440 | 703 | 83.7 |
| E1 | 2/20/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 217 |
| Composite Mix 1 | 2/26/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 194 |
| Composite Mix 2 | 2/26/20 | 4.5 | In-Situ | ND | ND | ND | 102 | 102 | 95.7 | 197.7 | 36.3 |
| SW1 | 2/26/20 | 2 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 112 |
| SW2 | 2/26/20 | 2 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 112 |
| SW3 | 2/26/20 | 2 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 78.4 |
| SW4 | 2/26/20 | 2 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 141 |
| SW5 | 2/26/20 | 2 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 386 |
| SW6 | 2/26/20 | 2 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 50.3 |
| | losure Crite | | | 10 | 50 | - | - | 1,000 | - | 2,500 | 10,000 |

NOTES:

Summary of Soil Sample Laboratory Analytical Results Grizzly Energy State L "A" Tr 1.2

NMOCD Ref. #: nCH1828533458; NCE2002946094

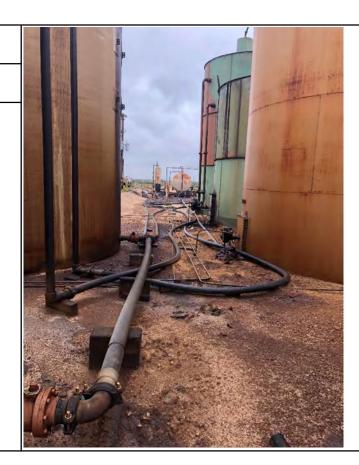
| Sample ID | Date | Depth (ft) | Soil Status | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
|-----------|--------------|---------------|-------------|--------------------|-----------------|---|--|--|--|---|---------------------|
| FL1 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 225 |
| FL2 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 258 |
| FL3 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 233 |
| FL4 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 266 |
| FL5 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 224 |
| FL6 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 225 |
| FL7 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 228 |
| FL8 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 230 |
| FL9 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 268 |
| FL10 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 258 |
| FL11 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 222 |
| FL12 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 251 |
| FL13 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 273 |
| FL14 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 240 |
| FL15 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 263 |
| FL16 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 220 |
| FL17 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 277 |
| FL18 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 275 |
| FL19 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 269 |
| FL20 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 209 |
| FL21 | 8/3/20 | 4.5 | In-Situ | ND | ND | ND | ND | ND | ND | ND | 233 |
| NMOCD C | losure Crite | ria | | 10 | 50 | - | - | 1,000 | - | 2,500 | 10,000 |

Attachment I Site Photographs

Photo 1

Direction East

Description: September 2018 release area



Photo

2

Direction East

Description:

September 2018 release area



Photo

3

Direction West

Description:

September 2018 release area



Photo

4

Direction

West

Description:

September 2018 release area



Photo 5

Direction West

Description: Excavation of 2018 release area



Photo

6

DirectionSoutheast

Description: Excavation of 2018

release area



Photo 7

Direction West

Description:

Backfilled



Photo

8

Direction East

Description:

Backfilled



Photo 9

Direction North

Description:

2019 Release area and lease sign



Photo

10

DirectionSouth

Description:

2019 Release area



Photo

11

Direction Northeast

Description:

2019 Release area and sampling



Photo

12

Direction

Northeast

Description:

2019 Release area

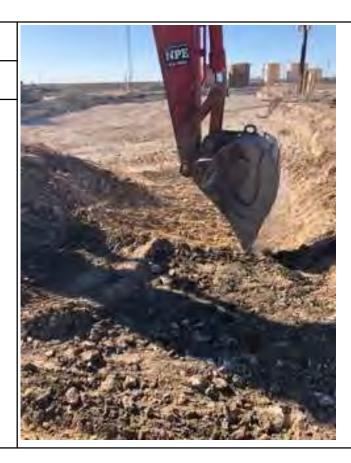


Photo 13

Direction West

Description:

Excavation activities after facility deconstruction



Photo

14

Direction North

Description:

Excavation activities after facility deconstruction



Photo 15

Direction East

Description:Excavation activities after facility deconstruction



Photo 16

Direction West

Description:Excavation activities after facility deconstruction



Photo 17 Direction Northwest

Description:Backfilling



Photo 18

Direction Northeast

Description:Backfilling



Photo 19

Direction East

Description:Backfill complete



Photo 20

Direction East

Description:

Backfill complete and facility rebuilt



Attachment II Depth to Groundwater Information



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

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

closed)

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

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

(In feet)

| POD Number | | OD ub- | untv | Q 64 - | | | or - | Twe | Pna | x | Y | Distance | | | Water Column |
|------------------|--------|-----------|------|-----------|-----|-----|------|-----|-----|--------|------------|--------------|-----|-----|-----------------|
| L 04988 | ooue b | | E. | U-T | | | | 17S | 36E | 658510 | 3638089* | | | 55 | 140 |
| L 14207 POD1 | | L I | E | 3 | 3 | 2 (| 01 | 17S | 36E | 658500 | 3637679 (| 252 | 240 | 100 | 140 |
| L 12562 POD11 | | L I | E. | 2 | 4 | 2 (| 01 | 17S | 36E | 658989 | 3637831 (| 356 | 112 | 97 | 15 |
| L 12562 POD4 | | L I | E | 4 | 4 | 2 3 | 36 | 16S | 36E | 658584 | 3638296 🌗 |) 409 | 121 | 106 | 15 |
| L 14207 POD2 | | L I | E. | 2 | 4 | 1 (| 01 | 17S | 36E | 658222 | 3637712 |) 452 | 230 | 101 | 129 |
| L 02508 | | L I | .E | 2 | 2 | 2 (| 01 | 17S | 36E | 659013 | 3638194* [| 9 482 | 120 | 40 | 80 |
| L 01371 | | L I | Æ | 4 | 3 4 | 4 3 | 36 | 16S | 36E | 658603 | 3638389* [| 9 499 | 115 | 45 | 70 |
| L 01584 POD1 | | L I | Æ | | 2 | 1 (| 01 | 17S | 36E | 658107 | 3638083* | 564 | 110 | 48 | 62 |
| L 01438 | | L I | E | | 3 4 | 4 3 | 36 | 16S | 36E | 658504 | 3638490* | 614 | 110 | 45 | 65 |
| L 10633 | R | L I | E. | | | 4 1 | 13 | 17S | 36E | 659026 | 3637389* | 634 | 209 | 80 | 129 |
| L 04988 S | | L I | E | 3 | 2 | 1 (| 01 | 17S | 36E | 658006 | 3637982* | 638 | 182 | 55 | 127 |
| L 02561 | | L L | E | 3 | 3 | 3 3 | 31 | 16S | 37E | 659210 | 3638403* | 767 | 137 | 50 | 87 |
| <u>L 10633 S</u> | R | L I | E | | | 4 1 | 13 | 17S | 36E | 659026 | 3637189* 🌗 | 801 | 228 | 120 | 108 |
| L 05486 | | L I | E | 2 | 3 | 1 (| 01 | 17S | 36E | 657808 | 3637773* (| 838 | 225 | 62 | 163 |
| L 14263 POD3 | | L l | E | 4 | 4 | 4 (| 01 | 17S | 36E | 658914 | 3638715 | 870 | 225 | | |

Average Depth to Water:

71 feet

Minimum Depth:

40 feet

Maximum Depth:

120 feet

Record Count: 15

UTMNAD83 Radius Search (in meters):

Easting (X): 658638

Northing (Y): 3637890.66

Radius: 880

*UTM location was derived from PLSS - see Help

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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

L 04988

17S 36E 2 01

658510 3638089*

Driller License:

Driller Company:

ABBOTT BROTHERS COMPANY

Driller Name: MURRELL ABBOTT

Drill Start Date:

01/02/1963

Drill Finish Date: PCW Rcv Date:

01/03/1963 08/14/1963

Plug Date:

Shallow

Log File Date: **Pump Type:**

01/10/1963 TURBIN

Pipe Discharge Size:

5

Source: **Estimated Yield:**

185 GPM

Casing Size:

9.63

Depth Well:

195 feet

Depth Water:

55 feet

Water Bearing Stratifications:

Top **Bottom Description** 55

170 Other/Unknown

Casing Perforations:

Bottom Top

190 55

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8/4/20 12:06 PM

POINT OF DIVERSION SUMMARY

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



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number

Q64 Q16 Q4 Sec Tws Rng

Drill Finish Date:

Depth Well:

V V

L 14207 POD1

4.00

3 2 01 17S 36E

658500 3637679

9 🌍

Driller License:

1456 **Driller Company:**

WHITE DRILLING COMPANY

Driller Name: WHITE, JOHN W

Drill Start Date: 10

10/07/2016 12/12/2016 10/12/2016

240 feet

Plug Date: Source:

Shallow

Log File Date: Pump Type:

Casing Size:

2/2016 PCW Rcv Date:
Pipe Discharge Size:

Estimated Yield: Depth Water:

100 feet

| Water Bearing Stratifications: | Тор | Bottom | Description |
|--------------------------------|-----|--------|-------------------------------|
| C . | 60 | 110 | Sandstone/Gravel/Conglomerate |
| | 110 | 112 | Sandstone/Gravel/Conglomerate |
| | 112 | 117 | Sandstone/Gravel/Conglomerate |
| | 140 | 170 | Sandstone/Gravel/Conglomerate |
| | 170 | 190 | Sandstone/Gravel/Conglomerate |
| | 190 | 200 | Sandstone/Gravel/Conglomerate |
| | 200 | 216 | Sandstone/Gravel/Conglomerate |
| | 216 | 218 | Sandstone/Gravel/Conglomerate |
| | 218 | 226 | Sandstone/Gravel/Conglomerate |
| | 226 | 240 | Sandstone/Gravel/Conglomerate |
| Casing Perforations: | Тор | Bottom | |
| | 90 | 230 | |

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8/4/20 1:42 PM

POINT OF DIVERSION SUMMARY



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

V

L 12562 POD11

4 2 01 17S 36E

658989 3637831

1 🌑

Driller License:

1210

Driller Company:

CASCADE DRILLING, LP

Driller Name:

BRYAN NYDOSKE

05/20/2010

05/20/2010 Plug Date:

Date.

Drill Start Date: Log File Date:

06/08/2010

Drill Finish Date: PCW Rcy Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

2.00

Depth Well:

112 feet

Depth Water:

97 feet

Water Bearing Stratifications: Top Bottom Description

0 7 Other/Unknown

7 112 Sandstone/Gravel/Conglomerate

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8/26/20 2:39 PM

POINT OF DIVERSION SUMMARY



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

L 12562 POD4

2 36 16S 36E

3638296 658584

Driller License:

1210

Driller Company:

CASCADE DRILLING, LP

Driller Name:

BRYAN NYDOSKE

Plug Date:

Drill Start Date: Log File Date:

05/24/2010 06/08/2010 **Drill Finish Date: PCW Rcv Date:**

Depth Well:

05/24/2010

121 feet

Source:

Depth Water:

Shallow

Pump Type: Casing Size: Pipe Discharge Size:

Estimated Yield:

106 feet

2.00 Water Bearing Stratifications:

Top

Bottom Description Other/Unknown

5

Sandstone/Gravel/Conglomerate

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0

8/26/20 2:40 PM



Point of Diversion Summary

17S 36E

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

(quarters are smallest to largest)

4 1 01

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

3637712

L 14207 POD2

Driller Company:

658222

Driller License: Driller Name:

1456 WHITE, JOHN W WHITE DRILLING COMPANY

Drill Start Date:

10/05/2016

4.00

Drill Finish Date: 10/12/2016 Plug Date: Source:

Shallow

Log File Date:

12/12/2016

Pipe Discharge Size:

PCW Rcv Date:

Estimated Yield:

Pump Type: Casing Size:

Depth Well:

230 feet

Depth Water:

101 feet

| Water Bearing Stratifications: | Тор | Bottom | Description |
|--------------------------------|-----|--------|-------------------------------|
| | 88 | 110 | Sandstone/Gravel/Conglomerate |
| | 110 | 112 | Sandstone/Gravel/Conglomerate |
| | 112 | 120 | Sandstone/Gravel/Conglomerate |
| | 120 | 130 | Sandstone/Gravel/Conglomerate |
| | 130 | 150 | Sandstone/Gravel/Conglomerate |
| | 150 | 190 | Sandstone/Gravel/Conglomerate |
| | 190 | 215 | Sandstone/Gravel/Conglomerate |
| | 215 | 216 | Sandstone/Gravel/Conglomerate |
| | 216 | 218 | Sandstone/Gravel/Conglomerate |
| | 218 | 223 | Sandstone/Gravel/Conglomerate |
| | 223 | 230 | Sandstone/Gravel/Conglomerate |
| Casing Perforations: | Тор | Bottom | |
| | 90 | 220 | |

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

8/4/20 1:43 PM



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

L 02508

17S 36E 2 2 01

659013 3638194*

Driller License: Driller Company:

Driller Name: TATUM, CLAUDE E.

Drill Start Date: 11/17/1954 Log File Date: 11/26/1954

TURBIN

Drill Finish Date: 11/20/1954

Plug Date: **PCW Rcv Date:** 08/15/1955 Source:

TATUM CLAUDE E.

115 GPM **Estimated Yield:**

Casing Size: 7.00 Depth Well: 120 feet Depth Water: 40 feet

> Water Bearing Stratifications: Top **Bottom Description**

Pipe Discharge Size:

40 120 Sandstone/Gravel/Conglomerate

Casing Perforations: Bottom Top

> 120 60

Pump Type:

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8/4/20 2:50 PM

POINT OF DIVERSION SUMMARY

Shallow

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



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

L 01371

3 4 36 16S 36E 658603 3638389*

Driller License:

Driller Company:

ABBOTT BROTHERS COMPANY

Driller Name: ABBOTT, CLYDE

02/22/1952

Drill Finish Date: 02/23/1952 Plug Date:

08/31/1953

Drill Start Date: Log File Date:

02/25/1952

PCW Rcv Date: 11/19/1953 Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

115 feet

Depth Water:

45 feet

Water Bearing Stratifications:

Bottom Description

45

115 Sandstone/Gravel/Conglomerate

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.

Top

8/4/20 2:46 PM

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



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

L 01584 POD1

17S 36E 01

658107 3638083*

Driller License:

Driller Company:

BURKE, EDWARD B.

Driller Name: BURKE, EDWARD B.

Drill Start Date:

09/29/1952 **Drill Finish Date:** 09/29/1952

Plug Date:

Log File Date:

10/07/1952

PCW Rcv Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: 7.00 Depth Well: 110 feet Depth Water:

Sandstone/Gravel/Conglomerate

48 feet

Water Bearing Stratifications:

Casing Perforations:

Top **Bottom Description**

53

Bottom 109 87

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.

Top

8/4/20 1:26 PM

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



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

L 01438

36 16S 36E 658504 3638490*

Driller License:

Driller Company:

ABBOTT BROTHERS COMPANY

Driller Name:

Drill Start Date: Log File Date:

05/05/1952

Drill Finish Date: PCW Rcv Date:

05/06/1952 06/09/1958 Plug Date: Source:

04/30/1954

05/20/1952

Shallow

Pump Type: Casing Size: Pipe Discharge Size:

Depth Well:

Estimated Yield: 110 feet Depth Water:

45 feet

Water Bearing Stratifications:

Bottom Description Top

110 Sandstone/Gravel/Conglomerate 44

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.

9/9/20 2:14 PM

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



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

17S 36E 4 13

659026 3637389*

Driller License:

586

L 10633

Driller Company:

MARSH, KENNETH RAY

Driller Name: KEN MARSH

Drill Start Date: Log File Date:

04/17/2001 07/16/2001

Drill Finish Date: PCW Rcv Date:

04/19/2001 11/07/2003 Plug Date: Source:

Shallow

Pump Type: Casing Size: SUBMER 12.75

Pipe Discharge Size: Depth Well:

6 209 feet **Estimated Yield:** Depth Water:

800 GPM 80 feet

Water Bearing Stratifications:

| Top | Bottom | Description |
|-----|--------|-----------------------------|
| 80 | 160 | Shallow Alluvium/Basin Fill |
| 172 | 201 | Shallow Alluvium/Basin Fill |
| 201 | 204 | Shallow Alluvium/Basin Fill |

Casing Perforations:

Top **Bottom** 89

209

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9/9/20 2:15 PM

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



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

L 04988 S

17S 36E 2 1 01

658006 3637982*

Driller License:

Driller Company:

ABBOTT BROTHERS COMPANY

Driller Name:

Drill Start Date:

01/30/1963 **Drill Finish Date:** 02/02/1963

Plug Date:

Shallow

Log File Date:

03/04/1963

PCW Rcv Date:

08/14/1963

Source:

Pump Type: Casing Size: TURBIN 9.63

Pipe Discharge Size: Depth Well:

5 182 feet

188 GPM **Estimated Yield:** Depth Water: 55 feet

Water Bearing Stratifications:

Top **Bottom Description** 178 Other/Unknown

55

Casing Perforations:

Bottom Top

178 55

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.

8/4/20 1:40 PM

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



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 L 02561 3 3 31 16S 37E 659210 3638403*

Driller License: Driller Company: ABBOTT BROTHERS COMPANY

Driller Name:

Drill Start Date: 03/02/1954 **Drill Finish Date:** 03/03/1954 Plug Date:

Log File Date: 03/30/1954 **PCW Rcv Date:** 08/15/1955 Shallow Source:

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

Casing Size: 7.00 Depth Well: 137 feet Depth Water: 50 feet

Water Bearing Stratifications: Top Bottom Description 45 Sandstone/Gravel/Conglomerate 95 Sandstone/Gravel/Conglomerate

Casing Perforations: Top **Bottom** 50 137

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9/9/20 2:16 PM

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



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

NADOS O INI III III CICIS

L 10633 S

4 13 17S 36E

659026 3637189*

Driller License:

e: 586

Driller Company:

MARSH, KENNETH RAY

Driller Name:
Drill Start Date:

KEN MARSH 04/20/2001

Drill Finish Date:

04/25/2001 11/07/2003 Plug Date: Source:

Shallow

Log File Date:

07/16/2001 SUBMER PCW Rcv Date: Pipe Discharge Size:

6

Estimated Yield: 80

800 GPM

Pump Type: Casing Size:

12.75

Depth Well:

228 feet

Depth Water:

120 feet

Water Bearing Stratifications:

18

Bottom Description
159 Shallow Alluvium/Basin Fill

182

Top

226 Shallow Alluvium/Basin Fill

Casing Perforations:

Top Bottom

135 228

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9/9/20 2:16 PM

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



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 05486

3 1 01 17S 36E

657808 3637773*

Driller License:

. 322

Driller Company: BACKUS, GRADY

Driller Name:
Drill Start Date:

GRADY BACKUS

05/28/1973 07/18/1973 Drill Finish Date: PCW Rcv Date: 06/04/1973 03/27/1975 Plug Date: Source:

Shallow

Log File Date: Pump Type: Casing Size:

TURBIN

12.75

Pipe Discharge Size:
Depth Well:

6 225 feet Estimated Yield:
Depth Water:

400 GPM 62 feet

Water Bearing Stratifications:

| Гор | Bottom | Description |
|-----|--------|-------------------------------|
| 62 | 72 | Sandstone/Gravel/Conglomerate |
| 86 | 98 | Sandstone/Gravel/Conglomerate |
| 114 | 128 | Sandstone/Gravel/Conglomerate |
| 138 | 158 | Sandstone/Gravel/Conglomerate |

Casing Perforations:

Top Bottom 170 220

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.

9/9/20 2:16 PM

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



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

L 14263 POD3

17S 36E 4 01

658914

3638715

Driller License:

1731

Driller Company:

HARRISON & COOPER, INC (WD-1731)

Driller Name:

COOPER, KENNY

Drill Start Date:

06/08/2016

Drill Finish Date:

06/08/2016

Plug Date:

Log File Date:

04/10/2017

PCW Rcv Date:

Shallow Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

4.00

Depth Well:

225 feet

Depth Water:

Casing Perforations:

Top Bottom 95 225

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

9/9/20 2:17 PM



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area:

United States ✓ GO

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Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 325141103185001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 325141103185001 17S.36E.02.244233

Lea County, New Mexico Latitude 32°51'55", Longitude 103°19'01" NAD27 Land-surface elevation 3,832.00 feet above NGVD29 The depth of the well is 150 feet below land surface.

This well is completed in the Ogallala Formation (1210GLL) local aquifer.

Output formats

| Table of data |
|--------------------|
| Tab-separated data |
| Graph of data |
| Reselect period |

| Date | Time | ? Water- level date- time accuracy | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Water- level accuracy | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurem |
|------------|------|------------------------------------|---|---|---------------------------------|----------------------------------|-------------|-------------------------------|--------------------------|----------------------------|
| | | | | | | | | | | |
| 1961-03-29 | | D | 43.75 | | | 2 | | U | | |
| 1966-02-21 | | D | 45.84 | | | 2 | | U | | |
| 1971-02-10 | | D | 49.63 | | | 2 | | U | | |
| 1976-02-25 | | D | 52.10 | | | 2 | | U | | |
| 1981-01-13 | | D | 58.13 | | | 2 | | U | | |
| 1986-01-14 | | D | 62.96 | | | 2 | | U | | |

Explanation

| Section | | Description | | |
|--------------------------------|---|--|--|--|
| Water-level date-time accuracy | D | Date is accurate to the Day | | |
| Water-level accuracy | 2 | Water level accuracy to nearest hundredth of a foot | | |
| Status | | The reported water-level measurement represents a static level | | |
| Method of measurement | U | Unknown method. | | |
| Measuring agency | | Not determined | | |
| Source of measurement | U | Source is unknown. | | |
| Water-level approval status | Α | Approved for publication Processing and review completed. | | |

Questions about sites/data? Feedback on this web site

<u>Automated retrievals</u> <u>Help</u> Data Tips
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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2020-08-04 16:53:03 EDT 0.3 0.27 nadww01





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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area:

V United States ✓ GO

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 Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 325216103184601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 325216103184601 17S.36E.01.1120

Lea County, New Mexico Latitude 32°52'13", Longitude 103°18'46" NAD27

Land-surface elevation 3,836 feet above NGVD29

The depth of the well is 232 feet below land surface.

The depth of the hole is 232 feet below land surface.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

| Table of data |
|--------------------|
| Tab-separated data |
| Graph of data |
| Reselect period |

| Date | Time | ? Water- level date- time accuracy | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Water- level accuracy | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurem |
|------------|------|------------------------------------|---|---|---------------------------------|----------------------------------|-------------|-------------------------------|--------------------------|----------------------------|
| | | | | | | | | | | |
| 1992-05-01 | L | D | 83 | | | 0 | | U | | |

Explanation

| Castian | Code | Description |
|--------------------------------|------|--|
| Section | Code | Description |
| Water-level date-time accuracy | D | Date is accurate to the Day |
| Water-level accuracy | 0 | Water level accuracy to nearest foot |
| Status | | The reported water-level measurement represents a static level |
| Method of measurement | U | Unknown method. |
| Measuring agency | | Not determined |
| Source of measurement | U | Source is unknown. |
| Water-level approval status | Α | Approved for publication Processing and review completed. |

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips **Explanation of terms** Subscribe for system changes **News**

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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2020-08-04 16:51:21 EDT 0.3 0.28 nadww01



Attachment III Field Data

| State L.A | Reld data |
|--------------------|----------------|
| 50/ - Suct 100 100 | 5P11 SW (30 |
| 1' 82 | 1 320 |
| 5/2 Surf 6/2 | 2' 240 |
| 1 392 | Sp12 sur 330 |
| Sp3 Shrf 924 | 1 330 < 30 |
| 1 392 | 2 230 |
| Spy 8mf 230 | Sp13 sur 752 |
| 1 274 | 1 274 |
| 5p5 swf 230 | 2 392 |
| 1' = 430 | 5014 SW 148 |
| 5p6-surf 130 | 1' 274 |
| 1 196 | 2', 132 |
| 2 430 | 3 230 |
| 5p7. Sur 430 | Sp15 sur 424 |
| 1' 60 | 1' 274 |
| 2′ 82 | 2' 424 |
| Sp8 Sur 430 | 5 532 |
| 1' 494 | 4 424 lab |
| 2 148 | Spile sur 1064 |
| sp9 Sur <30 | 1 230 |
| 1'-160 | 2 /12 |
| 2 80 | 3 274 |
| Sp10 Sm - <30 | 4' 274 lal |
| 1' 80 | |
| 7 80 | |
| | |
| | I . |

| Sp 17 Surf 230 | 5p23 SW <30 |
|-----------------|---------------------------|
| 194 | 1 <30 |
| 2', 102 | sp24 sur <30 |
| 3 124 | 1 82 |
| · · | 2 246 las |
| Sp18 Sur 230 | Sp 25 Sur 230 |
| 1' 124 | \\ \tag{20} |
| 2, 220 | 2 430 |
| 3 196 | Sp26 sur 230 |
| | |
| Sp19 sur 230 | 2' 196 |
| 1 458 | Sp 27 Sur 230 |
| 2', 274 | 1 230 |
| 3 707 | 2 430 |
| | 2, 230 3 230 |
| Sp 20 sor 424 | Q 5p 28 Sur 430 |
| 1 532 | 1 102 |
| 2', Wet | |
| 3 274 | SW Sur -30 |
| 21' 800 | SW' Sur -30 1' 990 Juh |
| | ¥) |
| Sy 21 Sur 230 | Sw2 102 lm |
| 1 \(\alpha\) 3D | 1 103 |
| Sp22 SW 230 | 10 > |
| 1 430 | SW3 Sur 430 |
| | 1 194 |
| | |

| SW4- Surf 230 |
|---------------|
| 1 196 |
| SW5- sur <30 |
| 362 |
| SW6 Sur 430 |
| 1 436 |
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Attachment IV Laboratory Analytical Reports



October 30, 2018

NATALIE GLADDEN WHITE BUFFALO 8908 YALE AVE #210 TULSA, OK 74137

RE: STATE L 'A' BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/24/18 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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



10/17/2018

Cool & Intact

Tamara Oldaker

Soil

Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

10/24/2018

Reported:

10/30/2018

Project Name: Project Number: STATE L 'A' BATTERY

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Analyzed By: MS

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

Sample ID: SP 1 - 1 (H803053-01)
BTEX 8021B mg/kg

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------------------|-----------|
| Benzene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.92 | 96.0 | 2.00 | 3.62 | |
| Toluene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.87 | 93.7 | 2.00 | 5.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.93 | 96.3 | 2.00 | 4.63 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2018 | ND | 5.53 | 92.1 | 6.00 | 3.87 | |
| Total BTEX | <0.300 | 0.300 | 10/25/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.4 % | % 69.8-14. | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 10/25/2018 | 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* | <10.0 | 10.0 | 10/26/2018 | ND | 196 | 97.8 | 200 | 2.78 | |
| DRO >C10-C28* | 40.0 | 10.0 | 10/26/2010 | ND | 205 | 102 | 200 | 3.45 | |
| | 13.3 | 10.0 | 10/26/2018 | ND | 205 | 102 | 200 | 3. 4 3 | |

Surrogate: 1-Chlorooctane

94.8 %

41-142

Surrogate: 1-Chlorooctadecane

91.1 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

RTFY 8021R

10/24/2018

10/17/2018

Reported:

10/30/2018

Sampling Date: Sampling Type:

Soil

Project Name:

STATE L 'A' BATTERY

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN

ma/ka

Sample Received By: Tamara Oldaker

Sample ID: SP 4 - 1 (H803053-02)

| B1EX 8021B | mg/ | / Kg | Analyze | a By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.92 | 96.0 | 2.00 | 3.62 | |
| Toluene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.87 | 93.7 | 2.00 | 5.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.93 | 96.3 | 2.00 | 4.63 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2018 | ND | 5.53 | 92.1 | 6.00 | 3.87 | |
| Total BTEX | <0.300 | 0.300 | 10/25/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.5 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 352 | 16.0 | 10/25/2018 | 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* | <10.0 | 10.0 | 10/26/2018 | ND | 196 | 97.8 | 200 | 2.78 | |
| DRO >C10-C28* | 17.4 | 10.0 | 10/26/2018 | ND | 205 | 102 | 200 | 3.45 | |
| EXT DRO >C28-C36 | 14.0 | 10.0 | 10/26/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.6 | % 41-142 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 87.5 | % 37.6-14 | 7 | | | | | | |

Analyzed By: MC

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received: Reported:

RTFY 8021R

10/24/2018

10/30/2018

Project Name:

STATE L 'A' BATTERY

Project Number:

NONE GIVEN

ma/ka

Sampling Date:

10/17/2018

Sampling Type:

Soil

Sampling Condition:

Cool & Intact Tamara Oldaker

Sample Received By:

Project Location: **NOT GIVEN**

Sample ID: SP 5 - 1 (H803053-03)

| BIEX 8021B | mg | /кд | Anaiyze | а ву: м5 | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.92 | 96.0 | 2.00 | 3.62 | |
| Toluene* | < 0.050 | 0.050 | 10/25/2018 | ND | 1.87 | 93.7 | 2.00 | 5.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.93 | 96.3 | 2.00 | 4.63 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2018 | ND | 5.53 | 92.1 | 6.00 | 3.87 | |
| Total BTEX | <0.300 | 0.300 | 10/25/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 93.1 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 10/25/2018 | 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 | 10/26/2018 | ND | 196 | 97.8 | 200 | 2.78 | |
| DRO >C10-C28* | 236 | 10.0 | 10/26/2018 | ND | 205 | 102 | 200 | 3.45 | |
| EXT DRO >C28-C36 | 140 | 10.0 | 10/26/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.6 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.7 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

Analyzed By: MC

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

10/24/2018

Reported: Project Name: 10/30/2018

Project Number:

STATE L 'A' BATTERY

NONE GIVEN

Sampling Date:

10/19/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location: **NOT GIVEN**

Sample ID: SP 21 - 1 (H803053-04)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.92 | 96.0 | 2.00 | 3.62 | |
| Toluene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.87 | 93.7 | 2.00 | 5.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.93 | 96.3 | 2.00 | 4.63 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2018 | ND | 5.53 | 92.1 | 6.00 | 3.87 | |
| Total BTEX | <0.300 | 0.300 | 10/25/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.1 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-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 | 10/25/2018 | 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 | 10/26/2018 | ND | 196 | 97.8 | 200 | 2.78 | |
| DRO >C10-C28* | 330 | 10.0 | 10/26/2018 | ND | 205 | 102 | 200 | 3.45 | |
| EXT DRO >C28-C36 | 292 | 10.0 | 10/26/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.8 | % 41-142 | ı | | | | | | |
| Surrogate: 1-Chlorooctadecane | 93.8 | % 37.6-14 | 7 | | | | | | |

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*=Accredited Analyte

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Celey D. Keine



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received: Reported: 10/24/2018

10/30/2018

Project Name:

STATE L 'A' BATTERY

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date: 10/19/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: SP 22 - 1 (H803053-05)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.92 | 96.0 | 2.00 | 3.62 | |
| Toluene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.87 | 93.7 | 2.00 | 5.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.93 | 96.3 | 2.00 | 4.63 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2018 | ND | 5.53 | 92.1 | 6.00 | 3.87 | |
| Total BTEX | <0.300 | 0.300 | 10/25/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.9 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 10/25/2018 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2018 | ND | 196 | 97.8 | 200 | 2.78 | |
| DRO >C10-C28* | 101 | 10.0 | 10/26/2018 | ND | 205 | 102 | 200 | 3.45 | |
| EXT DRO >C28-C36 | 81.5 | 10.0 | 10/26/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.8 | % 41-142 | • | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.3 | % 37.6-14 | 7 | | | | | | |

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*=Accredited Analyte

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Celey D. Keene



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

10/24/2018

Reported:

10/30/2018

Project Name: Project Number: STATE L 'A' BATTERY NONE GIVEN

Project Location:

Sampling Date:

10/19/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

NOT GIVEN

Sample ID: SP 23 - 1 (H803053-06)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.92 | 96.0 | 2.00 | 3.62 | |
| Toluene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.87 | 93.7 | 2.00 | 5.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.93 | 96.3 | 2.00 | 4.63 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2018 | ND | 5.53 | 92.1 | 6.00 | 3.87 | |
| Total BTEX | <0.300 | 0.300 | 10/25/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.7 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 10/25/2018 | 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 | 10/26/2018 | ND | 196 | 97.8 | 200 | 2.78 | |
| DRO >C10-C28* | 108 | 10.0 | 10/26/2018 | ND | 205 | 102 | 200 | 3.45 | |
| EXT DRO >C28-C36 | 78.2 | 10.0 | 10/26/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.6 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.1 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keene



Notes and Definitions

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

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

| Company Name: Vanqualo | *************************************** | | ANALYSIS REQUEST | |
|---|--|--|-------------------------|--|
| Project Manager: Browt White | ק | | | |
| Address: | Ç | company: White Bullal | | |
| City: State: | Zip: Al | 20 | | |
| Phone #: Fax #: | Aı | Address: 8908 Vale Avet | 20 | |
| Project #: Project Owner: | | city: Julia | | |
| Project Name: | St | State: OK Zip: 74/37 | | |
| Project Location: State L'A' Batter | PI PI | Phone #: 918-660-0999 | | |
| Sampler Name: | Fa | Fax #: | | |
| FOR LAB USE ONLY | MATRIX | PRESERV. SAMPLING | | |
| Lab I.D. Sample I.D. | (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | ACID/BASE: ICE / COOL OTHER: DATE | Chloride BTex TPH | |
| 1 1 03 | | X 10·17:36 1:40 | 1 X Y B | |
| 2504-1 | ~ | X 10.17.18 1:37 | から ひ | |
| (S) | - | 4 10-17-18 1:45 | 1 | |
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| 65023-1 | t | 8 | | |
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| service. In no event shall Cardinal be fiable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, | ng without limitation, business interruptions, loss | of use, or loss of profits incurred by client, its subsidia | ries | |

Relinquished By: Relinquished By: Sampler - UPS - Bus - Other: Delivered By: (Circle One) Time: Date: SV: the Date: 24-18 6.4 Received By: Received By: Sample Condition
Cool Intact
Yes Yes
No No CHECKED BY: (Initials) Phone Result: 1 Yes 1 No Add'I Fax #:

Fax Result: 1 Yes 1 No Add'I Fax #:

REMARKS:

Limail: Liladden @ white buffalo.com

Monigue. Cueto @ white buffalo.com



November 05, 2018

NATALIE GLADDEN WHITE BUFFALO 8908 YALE AVE #210 TULSA, OK 74137

RE: STATE L 'A' BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/30/18 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

10/30/2018

10/25/2018

Reported:

11/05/2018

Soil

Project Name:

DTEV 0021D

STATE L 'A' BATTERY

Sampling Condition: Sample Received By:

Sampling Date:

Sampling Type:

Cool & Intact Tamara Oldaker

Project Number:

NONE GIVEN

NOT CIVEN

Project Location:

NOT GIVEN

Sample ID: SP 14 - 4' (H803100-01)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/01/2018 | ND | 2.04 | 102 | 2.00 | 0.533 | |
| Toluene* | 0.075 | 0.050 | 11/01/2018 | ND | 1.87 | 93.6 | 2.00 | 0.393 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.78 | 88.9 | 2.00 | 0.535 | |
| Total Xylenes* | <0.150 | 0.150 | 11/01/2018 | ND | 5.24 | 87.4 | 6.00 | 1.07 | |
| Total BTEX | <0.300 | 0.300 | 11/01/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 133 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 11/01/2018 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 30.0 | 10.0 | 11/01/2018 | ND | 194 | 96.8 | 200 | 8.92 | |
| DRO >C10-C28* | 1790 | 10.0 | 11/01/2018 | ND | 205 | 102 | 200 | 3.34 | |
| EXT DRO >C28-C36 | 358 | 10.0 | 11/01/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 104 | % 41-142 | • | | | | | | |
| Surrogate: 1-Chlorooctadecane | 156 | % 37.6-14 | 7 | | | | | | |

Analyzed By MC

Cardinal Laboratories

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Celeg D. Freene



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received: Reported: 10/30/2018

11/05/2018

Project Name:

STATE L 'A' BATTERY

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

10/25/2018

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP 15 - 4' (H803100-02)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/01/2018 | ND | 2.04 | 102 | 2.00 | 0.533 | |
| Toluene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.87 | 93.6 | 2.00 | 0.393 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.78 | 88.9 | 2.00 | 0.535 | |
| Total Xylenes* | <0.150 | 0.150 | 11/01/2018 | ND | 5.24 | 87.4 | 6.00 | 1.07 | |
| Total BTEX | <0.300 | 0.300 | 11/01/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 592 | 16.0 | 11/01/2018 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/31/2018 | ND | 194 | 96.8 | 200 | 8.92 | |
| DRO >C10-C28* | 161 | 10.0 | 10/31/2018 | ND | 205 | 102 | 200 | 3.34 | |
| EXT DRO >C28-C36 | 47.0 | 10.0 | 10/31/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 104 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Keene



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received: Reported: 10/30/2018

11/05/2018

Project Name:

STATE L 'A' BATTERY

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

10/25/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Sample ID: SP 16 - 4' (H803100-03)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/01/2018 | ND | 2.04 | 102 | 2.00 | 0.533 | |
| Toluene* | < 0.050 | 0.050 | 11/01/2018 | ND | 1.87 | 93.6 | 2.00 | 0.393 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.78 | 88.9 | 2.00 | 0.535 | |
| Total Xylenes* | <0.150 | 0.150 | 11/01/2018 | ND | 5.24 | 87.4 | 6.00 | 1.07 | |
| Total BTEX | <0.300 | 0.300 | 11/01/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.1 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 11/01/2018 | ND | 416 | 104 | 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 | 10/31/2018 | ND | 194 | 96.8 | 200 | 8.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/31/2018 | ND | 205 | 102 | 200 | 3.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/31/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 104 % | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 93.7 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Keene



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received: Reported: 10/30/2018

11/05/2018

Project Name:

STATE L 'A' BATTERY

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

10/26/2018

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP 17 - 3' (H803100-04)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/01/2018 | ND | 2.04 | 102 | 2.00 | 0.533 | |
| Toluene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.87 | 93.6 | 2.00 | 0.393 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.78 | 88.9 | 2.00 | 0.535 | |
| Total Xylenes* | <0.150 | 0.150 | 11/01/2018 | ND | 5.24 | 87.4 | 6.00 | 1.07 | |
| Total BTEX | <0.300 | 0.300 | 11/01/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.6 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 11/01/2018 | ND | 416 | 104 | 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 | 10/31/2018 | ND | 194 | 96.8 | 200 | 8.92 | |
| DRO >C10-C28* | 88.1 | 10.0 | 10/31/2018 | ND | 205 | 102 | 200 | 3.34 | |
| EXT DRO >C28-C36 | 30.9 | 10.0 | 10/31/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 103 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 95.8 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keine



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received: Reported: 10/30/2018

11/05/2018

Project Name:

STATE L 'A' BATTERY

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date: 10/23/2018

Sampling Type:

Sampling Condition: Cool & Intact

Soil

Sample Received By: Tamara Oldaker

Sample ID: SP 18 - 3' (H803100-05)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/01/2018 | ND | 2.04 | 102 | 2.00 | 0.533 | |
| Toluene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.87 | 93.6 | 2.00 | 0.393 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.78 | 88.9 | 2.00 | 0.535 | |
| Total Xylenes* | <0.150 | 0.150 | 11/01/2018 | ND | 5.24 | 87.4 | 6.00 | 1.07 | |
| Total BTEX | <0.300 | 0.300 | 11/01/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 120 | % 69.8-14 | 12 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | Analyzed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 352 | 16.0 | 11/01/2018 | ND | 416 | 104 | 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* | 10.3 | 10.0 | 11/01/2018 | ND | 194 | 96.8 | 200 | 8.92 | |
| DRO >C10-C28* | 872 | 10.0 | 11/01/2018 | ND | 205 | 102 | 200 | 3.34 | |
| EXT DRO >C28-C36 | 254 | 10.0 | 11/01/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 108 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 119 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

10/30/2018

Sampling Date:

10/23/2018

Reported:

11/05/2018

Sampling Type:

Soil

Project Name:

STATE L 'A' BATTERY

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location: NONE GIVEN **NOT GIVEN**

Sample ID: SP 20 - 3' (H803100-06)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/01/2018 | ND | 2.04 | 102 | 2.00 | 0.533 | |
| Toluene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.87 | 93.6 | 2.00 | 0.393 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.78 | 88.9 | 2.00 | 0.535 | |
| Total Xylenes* | <0.150 | 0.150 | 11/01/2018 | ND | 5.24 | 87.4 | 6.00 | 1.07 | |
| Total BTEX | <0.300 | 0.300 | 11/01/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.7 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 448 | 16.0 | 11/01/2018 | ND | 416 | 104 | 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 | 10/31/2018 | ND | 194 | 96.8 | 200 | 8.92 | |
| DRO >C10-C28* | 176 | 10.0 | 10/31/2018 | ND | 205 | 102 | 200 | 3.34 | |
| EXT DRO >C28-C36 | 46.6 | 10.0 | 10/31/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 110 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 107 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Keene



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

10/30/2018

Sampling Date:

10/29/2018

Reported:

11/05/2018

Sampling Type:

Soil

Project Name:

STATE L 'A' BATTERY

Sampling Condition: Sample Received By: Cool & Intact
Tamara Oldaker

Project Number: Project Location:

NONE GIVEN

Sample ID: SP 25 - 1' (H803100-07)

| BTEX 8021B | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/01/2018 | ND | 2.04 | 102 | 2.00 | 0.533 | |
| Toluene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.87 | 93.6 | 2.00 | 0.393 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.78 | 88.9 | 2.00 | 0.535 | |
| Total Xylenes* | <0.150 | 0.150 | 11/01/2018 | ND | 5.24 | 87.4 | 6.00 | 1.07 | |
| Total BTEX | <0.300 | 0.300 | 11/01/2018 | ND | | | | | |
| | | | | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID

98.5 %

69.8-142

| Chloride, SM4500CI-B | mg | /kg | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 11/01/2018 | ND | 416 | 104 | 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 | 11/01/2018 | ND | 194 | 96.8 | 200 | 8.92 | |
| DRO >C10-C28* | 1510 | 10.0 | 11/01/2018 | ND | 205 | 102 | 200 | 3.34 | |
| EXT DRO >C28-C36 | 1110 | 10.0 | 11/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane

88.7 %

41-142

Surrogate: 1-Chlorooctadecane

116 %

37.6-147

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

10/30/2018

Reported: Project Name: 11/05/2018 STATE L 'A' BATTERY

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

10/29/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: SW 1 - 1' (H803100-08)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/01/2018 | ND | 2.04 | 102 | 2.00 | 0.533 | |
| Toluene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.87 | 93.6 | 2.00 | 0.393 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.78 | 88.9 | 2.00 | 0.535 | |
| Total Xylenes* | <0.150 | 0.150 | 11/01/2018 | ND | 5.24 | 87.4 | 6.00 | 1.07 | |
| Total BTEX | <0.300 | 0.300 | 11/01/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 94.2 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1470 | 16.0 | 11/01/2018 | ND | 416 | 104 | 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 | 10/31/2018 | ND | 194 | 96.8 | 200 | 8.92 | |
| DRO >C10-C28* | 29.0 | 10.0 | 10/31/2018 | ND | 205 | 102 | 200 | 3.34 | |
| EXT DRO >C28-C36 | 19.2 | 10.0 | 10/31/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 99.9 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.9 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Freene



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

10/30/2018

Sampling Date:

10/29/2018

Reported:

11/05/2018

Sampling Type:

Soil

Project Name:

STATE L 'A' BATTERY

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

NONE GIVEN

Sample ID: SW 2 - SURFACE (H803100-09)

| BTEX 8021B | mg/ | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/01/2018 | ND | 2.12 | 106 | 2.00 | 0.582 | |
| Toluene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.95 | 97.7 | 2.00 | 0.222 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.86 | 93.2 | 2.00 | 0.180 | |
| Total Xylenes* | <0.150 | 0.150 | 11/01/2018 | ND | 5.77 | 96.2 | 6.00 | 0.209 | |
| Total BTEX | <0.300 | 0.300 | 11/01/2018 | ND | | | | | |
| | | | | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID

96.1 %

69.8-142

| Chloride, SM4500Cl-B | nloride, SM4500Cl-B mg/kg | | Analyze | d By: AC | | | | | |
|----------------------|---------------------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 11/01/2018 | ND | 416 | 104 | 400 | 3.92 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/01/2018 | ND | 194 | 96.8 | 200 | 8.92 | |
| DRO >C10-C28* | 4160 | 10.0 | 11/01/2018 | ND | 205 | 102 | 200 | 3.34 | |
| EXT DRO >C28-C36 | 714 | 10.0 | 11/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane

104 %

41-142

Surrogate: 1-Chlorooctadecane

176 %

37.6-147

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Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received: Reported:

BTEX 8021B

10/30/2018

11/05/2018

Project Name:

STATE L 'A' BATTERY

Project Number: Project Location: NONE GIVEN

mg/kg

Sampling Date:

10/29/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: SW 3 - 1' (H803100-10)

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|---------------|-----------------|---------------------|--------------|--------|------------|---------------|-------------|------------------------|
| Benzene* | <0.050 | 0.050 | 11/01/2018 | ND | 2.12 | 106 | 2.00 | 0.582 | |
| Toluene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.95 | 97.7 | 2.00 | 0.222 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.86 | 93.2 | 2.00 | 0.180 | |
| Total Xylenes* | <0.150 | 0.150 | 11/01/2018 | ND | 5.77 | 96.2 | 6.00 | 0.209 | |
| Total BTEX | <0.300 | 0.300 | 11/01/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.4 | % 69.8-14 | 2 | | | | | | |
| | | | | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Chloride, SM4500CI-B Analyte | mg/ Result | Reporting Limit | Analyzed Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| · | | | <u> </u> | | BS 416 | % Recovery | True Value QC | RPD 3.92 | Qualifier |
| Analyte | Result | Reporting Limit | Analyzed 11/01/2018 | Method Blank | | , | · | | Qualifier |
| Analyte Chloride | Result | Reporting Limit | Analyzed 11/01/2018 | Method Blank | | , | · | | Qualifier Qualifier |

ND

ND

205

102

200

3.34

Analyzed By: ms

Surrogate: 1-Chlorooctane

DRO >C10-C28*

EXT DRO >C28-C36

107 %

<10.0

<10.0

41-142

10/31/2018

10/31/2018

10.0

10.0

Surrogate: 1-Chlorooctadecane

95.4 %

37.6-147

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received: Reported:

10/30/2018

11/05/2018

Project Name:

STATE L 'A' BATTERY

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date: 10/29/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: SW 4 - 1' (H803100-11)

| BTEX 8021B | mg/ | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/01/2018 | ND | 2.12 | 106 | 2.00 | 0.582 | |
| Toluene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.95 | 97.7 | 2.00 | 0.222 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.86 | 93.2 | 2.00 | 0.180 | |
| Total Xylenes* | <0.150 | 0.150 | 11/01/2018 | ND | 5.77 | 96.2 | 6.00 | 0.209 | |
| Total BTEX | <0.300 | 0.300 | 11/01/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.0 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 11/01/2018 | ND | 416 | 104 | 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 | 10/31/2018 | ND | 194 | 96.8 | 200 | 8.92 | |
| DRO >C10-C28* | 34.7 | 10.0 | 10/31/2018 | ND | 205 | 102 | 200 | 3.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/31/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.3 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 87.7 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received: Reported:

BTEX 8021B

EXT DRO >C28-C36

10/30/2018

11/05/2018

Project Name: Project Number: STATE L 'A' BATTERY

Project Location:

NONE GIVEN NOT GIVEN

mg/kg

Sampling Date:

10/29/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Sample ID: SW 5 - 1' (H803100-12)

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|-------------------|----------------------------|-----------------------------|--------------------------|--------|------------|---------------|-------------|------------------------|
| Benzene* | <0.050 | 0.050 | 11/01/2018 | ND | 2.12 | 106 | 2.00 | 0.582 | |
| Toluene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.95 | 97.7 | 2.00 | 0.222 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.86 | 93.2 | 2.00 | 0.180 | |
| Total Xylenes* | <0.150 | 0.150 | 11/01/2018 | ND | 5.77 | 96.2 | 6.00 | 0.209 | |
| Total BTEX | <0.300 | 0.300 | 11/01/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.7 | % 69.8-14. | 2 | | | | | | |
| | | | | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Chloride, SM4500CI-B Analyte | Result | /kg Reporting Limit | Analyze Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| | | | <u> </u> | - | BS 416 | % Recovery | True Value QC | RPD 3.92 | Qualifier |
| Analyte | Result | Reporting Limit | Analyzed 11/01/2018 | Method Blank | | • | • | | Qualifier |
| Analyte Chloride | Result | Reporting Limit | Analyzed 11/01/2018 | Method Blank | | • | • | | Qualifier Qualifier |
| Analyte Chloride TPH 8015M | Result 1330 mg/ | Reporting Limit 16.0 | Analyzed 11/01/2018 Analyze | Method Blank ND d By: MS | 416 | 104 | 400 | 3.92 | |

ND

10/31/2018

Analyzed By: ms

Surrogate: 1-Chlorooctane 99.2 % Surrogate: 1-Chlorooctadecane 89.5 % 37.6-147

<10.0

10.0

41-142

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Celeg D. Keene



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

10/30/2018

Reported:

11/05/2018

Project Name: Project Number: STATE L 'A' BATTERY NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

10/29/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: SW 6 - 1' (H803100-13)

| BTEX 8021B | mg, | mg/kg | | Analyzed By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/01/2018 | ND | 2.12 | 106 | 2.00 | 0.582 | |
| Toluene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.95 | 97.7 | 2.00 | 0.222 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.86 | 93.2 | 2.00 | 0.180 | |
| Total Xylenes* | <0.150 | 0.150 | 11/01/2018 | ND | 5.77 | 96.2 | 6.00 | 0.209 | |
| Total BTEX | <0.300 | 0.300 | 11/01/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.4 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 11/01/2018 | ND | 416 | 104 | 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 | 10/31/2018 | ND | 194 | 96.8 | 200 | 8.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/31/2018 | ND | 205 | 102 | 200 | 3.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/31/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.4 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.2 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Freene



Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received: Reported: 10/30/2018

11/05/2018

Project Name:

STATE L 'A' BATTERY

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date: 10/29/2018

Sampling Type:

Soil Cool & Intact

Sampling Condition: Sample Received By:

Tamara Oldaker

Sample ID: SP 27 - 3' (H803100-14)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/01/2018 | ND | 2.12 | 106 | 2.00 | 0.582 | |
| Toluene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.95 | 97.7 | 2.00 | 0.222 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/01/2018 | ND | 1.86 | 93.2 | 2.00 | 0.180 | |
| Total Xylenes* | <0.150 | 0.150 | 11/01/2018 | ND | 5.77 | 96.2 | 6.00 | 0.209 | |
| Total BTEX | <0.300 | 0.300 | 11/01/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.4 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 11/01/2018 | 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 | 11/01/2018 | ND | 196 | 98.2 | 200 | 1.45 | |
| DRO >C10-C28* | 43.4 | 10.0 | 11/01/2018 | ND | 210 | 105 | 200 | 0.833 | |
| EXT DRO >C28-C36 | 24.4 | 10.0 | 11/01/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.7 | % 41-142 | • | | | | | | |
| Surrogate: 1-Chlorooctadecane | 100 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Freene



Notes and Definitions

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.

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. Keene

Relinquished By:

Relinquished By:

of 18 aboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| | 1 | < | 5 | 10/20/18 9:45 | - | Control of the little of the l | Calm arising whether has a limited or total shall be limited. | Campa | 9 562 - Suffer NOTE- Liability and Damanes Cardinal's liability and clients exclusive remedy for any | PI FASE NOTE: I jahiliya |
|------------------------|---------|------|---------|----------------------|--------------------|--|---|----------------|--|--------------------------|
| | 1 | 1 | 0 | /8/18 9:10 | 10/3 | 1 | (| 5 | Sw1-1' | 8 |
| | 1 | < | < | | | | | g | 3 21 3 | - In |
| 100 | 1 | , | | 0.0 | | | | > | 1001 | W. |
| Clare Charles Story | 1 | (| , | 01:8 8:10 | 10/29 | , | < | 2 | 1 SP 25- 1' | . 1 |
| a Jaka Sur 1 1112 - In | 1 | 1 | 1 | \$18 10:26 | 10/23/ | 1 | , | <u></u> | SP 20-3' | 6 |
| , balupei | 1 | 1 | ST / | 11:35 | 10/23/18 | 1 | (| 0 | SP 18-3' | 4 |
| | (| 1 | क | 1/8 9:45 | 10/24/18 | 1 | , | 0 | SP 17- 3' | 4 |
| | 1 | 1 | Str. | | 10/25/18 | | 1 | G | Sp 116-4, | Cu |
| | 1 | < | 2 1 | 118 8:32 | 10/25/ | | , | ΔŽ | SP 15-4' | 2 |
| | 1 | 1 | S | 18 10:15 | 81/52/or | 1 | (| P | SP14 - 4. | 1 |
| | TPH | BTEX | Chlai | TIME | OTHER: | OTHER: ACID/BASE: ICE / COOL | GROUNDWATE WASTEWATER SOIL OIL SLUDGE | (G)RAB OR (C)C | Sample I.D. | Lab I.D. |
| | | | ıdı | SAMPLING | | PRESERV | MATRIX | _ | c | FOR LAB USE ONLY |
| | | | 2 | | | Fax #: | | | " Monique Cueto | Sampler Name: |
| | | | 2 | Phone #: 9/8-660-099 | 9-816 | Phone #: | | (| on: | Project Location: |
| | | | | 74137 | Zip: | State: OK | | of the real | State L "A" 15 | Project Name: |
| | | | | C | ilsa | city: | | ä | Project Owner: | Project #: |
| | | | WE# 210 | 1 | Address: 8908 Yale | Address: | | | Fax #: | Phone #: |
| | | | > | PForti | eve 7m | Attn: Steve Me For | X Zip: 19762 | Zip: | de Ma State: TX | city: Ode |
| | | | 000 | BW | - Luli | company: White | 201 | 本.2 | 001 tenbrook St. S | Address: 400 |
| | | | | | | P.O. #: | | | per that white | Project Manager: |
| ANALYSIS REQUEST | <i></i> | | | 0 | | | | | ne: Vanauava | Company Name: |

analyses, All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without firmitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Sampler - UPS - Bus - Other: Delivered By: (Circle One) Date: Time: Time: 5:40 Date: 30-18 Received By: rdinal, regardless of whether such Received By: Cool Intact
A Yes A Yes
No No Sample Condition Mongue. Cueto @ white buffalo. cam

B

Relinquished By:

Date: Time:

Received By:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: Voncue | | | ANALYSIS REQUEST | |
|--|--|--|--------------------------------|-----------|
| Project Manager: Thunk White | P.O. #: | | - 1 | |
| Address: 4001 Penback St. St | C. 201 Compa | company: White Bullalo | | |
| State: TX | Zip: 79762 Attn: S | Fortin | | |
| Phone #: Fax #: | Addres | Address: 8908 Uple Avet | 20 | |
| Project #: Project Owner: | | Julsa " | | |
| Project Name: State L "A" Battery | | State: OK Zip: 74/37 | | |
| Project Location: | | Phone #: 918-660-0999 |) | |
| Sampler Name: Manague Cueto | Fax #: | | | - Cyakais |
| FOR LAB USE ONLY | MATRIX | PRESERV, SAMPLING | | |
| Lab I.D. Sample I.D. | (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: | OTHER: DATE TIME | Chlory BTEX TPH | |
| 16 Sw3-1' | 6 / | 10/29/18 10:33 | , | |
| 11 SW4-1' | 2 | 10/29/18 10:50 | 7 7 | |
| 12 SW5-1' | 0 | 10/29/18 1:16 | 1 | |
| 13 SW6-11 | 2 | 10/29/18 1:25 | 9 | |
| | | | | |
| | | | | |
| | | | | |
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| 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: Phone Res | by Cardinal, regardless of whether such claim is based upon | any of the above stated reasons or otherwise. | ult: U Yes U No Add'I Dropp #- | |

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

CHECKED BY: (Initials) Email: Alader Quhite buffelo.com Morique. Cueto @ white buffalo.com

+ Pardinal rannot arrent varial channee Bloace fav written channee to IETEI 202_2226

Sample Condition
Cool Intact
Pres Pres
No No

40

Sampler - UPS - Bus - Other: Delivered By: (Circle One)



November 07, 2018

NATALIE GLADDEN WHITE BUFFALO 8908 YALE AVE #210 TULSA, OK 74137

RE: STATE L 'A' 8 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/31/18 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received: Reported:

10/31/2018

11/07/2018

Project Name:

STATE L 'A' 8 BATTERY

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date: 10/30/2018

Sampling Type: Soil

Sampling Condition: Sample Received By: Cool & Intact
Tamara Oldaker

Sample ID: SP 2-1' (H803121-01)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.12 | 106 | 2.00 | 0.751 | |
| Toluene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.14 | 107 | 2.00 | 1.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.16 | 108 | 2.00 | 0.756 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2018 | ND | 6.73 | 112 | 6.00 | 0.0117 | |
| Total BTEX | <0.300 | 0.300 | 11/03/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 848 | 16.0 | 11/05/2018 | ND | 400 | 100 | 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 | 11/02/2018 | ND | 205 | 103 | 200 | 1.56 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/02/2018 | ND | 217 | 109 | 200 | 1.54 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/02/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 102 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.8 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

10/31/2018

Sampling Date:

10/30/2018

Reported:

11/07/2018

Sampling Type:

Soil

Project Name:

STATE L 'A' 8 BATTERY

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sample ID: SP 3-1' (H803121-02)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.12 | 106 | 2.00 | 0.751 | |
| Toluene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.14 | 107 | 2.00 | 1.24 | |
| Ethylbenzene* | 0.109 | 0.050 | 11/03/2018 | ND | 2.16 | 108 | 2.00 | 0.756 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2018 | ND | 6.73 | 112 | 6.00 | 0.0117 | |
| Total BTEX | <0.300 | 0.300 | 11/03/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 544 | 16.0 | 11/05/2018 | ND | 400 | 100 | 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 | 11/02/2018 | ND | 205 | 103 | 200 | 1.56 | |
| DRO >C10-C28* | 706 | 50.0 | 11/02/2018 | ND | 217 | 109 | 200 | 1.54 | |
| EXT DRO >C28-C36 | 303 | 50.0 | 11/02/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.0 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 112 | % 37.6-14 | 7 | | | | | | |

Surrogate: 1-Chlorooctadecane 112 %

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

BTEX 8021B

10/31/2018

Sampling Date:

10/30/2018

Reported:

11/07/2018

Sampling Type:

10/30/2018 Soil

Project Name:

STATE L 'A' 8 BATTERY

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

NONE GIVEN

mg/kg

Sample ID: SP 6-2' (H803121-03)

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---------------------------------------|--------|-----------------|---------------------|--------------|-----------|------------|----------------------|-------------|-------------------|
| Benzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.12 | 106 | 2.00 | 0.751 | |
| Toluene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.14 | 107 | 2.00 | 1.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.16 | 108 | 2.00 | 0.756 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2018 | ND | 6.73 | 112 | 6.00 | 0.0117 | |
| Total BTEX | <0.300 | 0.300 | 11/03/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | | A l | | | | | | |
| · · · · · · · · · · · · · · · · · · · | 9/ | кд | Anaiyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| | | | - | <u> </u> | BS 400 | % Recovery | True Value QC 400 | RPD 0.00 | Qualifier |
| Analyte | Result | Reporting Limit | Analyzed 11/05/2018 | Method Blank | | , | • | | Qualifier S-06 |
| Analyte Chloride | Result | Reporting Limit | Analyzed 11/05/2018 | Method Blank | | , | • | | · |

ND

ND

217

109

200

1.54

Analyzed By: ms

Surrogate: 1-Chlorooctane

DRO >C10-C28*

EXT DRO > C28 - C36

96.8 %

4600

978

41-142

11/02/2018

11/02/2018

50.0

50.0

Surrogate: 1-Chlorooctadecane

161 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

RTFY 8260R

10/31/2018

Sampling Date:

10/26/2018

Reported:

11/07/2018

Sampling Type:

Soil

Project Name:

STATE L 'A' 8 BATTERY

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

S-04

Project Number:

NONE GIVEN

ma/ka

Project Location: NOT GIVEN

Sample ID: SP 7-2' (H803121-04)

| BTEX 8260B | mg/ | kg | Analyze | d By: ms | | | | | S-04 |
|---------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/06/2018 | ND | 1.73 | 86.4 | 2.00 | 1.09 | |
| Toluene* | <0.025 | 0.025 | 11/06/2018 | ND | 1.82 | 91.2 | 2.00 | 0.791 | |
| Ethylbenzene* | 0.068 | 0.025 | 11/06/2018 | ND | 1.78 | 89.0 | 2.00 | 1.33 | |
| Total Xylenes* | 0.145 | 0.075 | 11/06/2018 | ND | 5.71 | 95.2 | 6.00 | 2.97 | |
| Total BTEX | 0.213 | 0.150 | 11/06/2018 | ND | | | | | |
| Surrogate: Dibromofluoromethane | 103 | % 90.4-11 | 1 | | | | | | |
| Surrogate: Toluene-d8 | 138 | % 85.3-11 | 4 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 289 | % 80.1-12 | 1 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 11/05/2018 | ND | 400 | 100 | 400 | 0.00 | |
| 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* | 136 | 50.0 | 11/02/2018 | ND | 191 | 95.4 | 200 | 1.79 | |
| DRO >C10-C28* | 5880 | 50.0 | 11/02/2018 | ND | 193 | 96.5 | 200 | 5.16 | QM-07 |
| EXT DRO >C28-C36 | 1270 | 50.0 | 11/02/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.2 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 233 | % 37.6-14 | 7 | | | | | | |

Analyzed By: me

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Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

10/31/2018

Sampling Date:

10/29/2018

Reported:

11/07/2018

Sampling Type:

Soil

Project Name:

STATE L 'A' 8 BATTERY

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

NONE GIVEN

Sample ID: SP 8-2' (H803121-05)

| Result: 0.025 | Reporting Limit 0.025 | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---------------|------------------------------------|--|--|--|--|--|--|---|
| | 0.025 | | | | 70 1100010.7 | ride value qe | KI D | Quaimer |
| 006 | 0.025 | 11/06/2018 | ND | 1.73 | 86.4 | 2.00 | 1.09 | |
| 0.086 | 0.025 | 11/06/2018 | ND | 1.82 | 91.2 | 2.00 | 0.791 | |
|).321 | 0.025 | 11/06/2018 | ND | 1.78 | 89.0 | 2.00 | 1.33 | |
| 1.08 | 0.075 | 11/06/2018 | ND | 5.71 | 95.2 | 6.00 | 2.97 | |
| 1.49 | 0.150 | 11/06/2018 | ND | | | | | |
| 98.4 | % 90.4-11 | 1 | | | | | | |
| 121 % | 85.3-11 | 4 | | | | | | |
| 250 % | 6 80.1-12 | 1 | | | | | | |
| mg/ | kg | Analyze | d By: AC | | | | | |
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| 304 | 16.0 | 11/05/2018 | ND | 400 | 100 | 400 | 0.00 | |
| mg/ | kg | Analyze | d By: MS | | | | | |
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| 139 | 50.0 | 11/02/2018 | ND | 191 | 95.4 | 200 | 1.79 | |
| 2600 | 50.0 | 11/02/2018 | ND | 193 | 96.5 | 200 | 5.16 | |
| 519 | 50.0 | 11/02/2018 | ND | | | | | |
| 115 % | 6 41-142 | · ? | | | | | | |
| 136 % | | | | | | | | |
| | Result 304 mg/ Result 139 2600 519 | 304 16.0 mg/kg Result Reporting Limit 139 50.0 2600 50.0 519 50.0 | Result Reporting Limit Analyzed 304 16.0 11/05/2018 mg/kg Analyze Result Reporting Limit Analyzed 139 50.0 11/02/2018 2600 50.0 11/02/2018 519 50.0 11/02/2018 | Result Reporting Limit Analyzed Method Blank 304 16.0 11/05/2018 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank 139 50.0 11/02/2018 ND 2600 50.0 11/02/2018 ND 519 50.0 11/02/2018 ND | Result Reporting Limit Analyzed Method Blank BS 304 16.0 11/05/2018 ND 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS 139 50.0 11/02/2018 ND 191 2600 50.0 11/02/2018 ND 193 519 50.0 11/02/2018 ND | Result Reporting Limit Analyzed Method Blank BS % Recovery 304 16.0 11/05/2018 ND 400 100 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery 139 50.0 11/02/2018 ND 191 95.4 2600 50.0 11/02/2018 ND 193 96.5 519 50.0 11/02/2018 ND | Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 304 16.0 11/05/2018 ND 400 100 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 139 50.0 11/02/2018 ND 191 95.4 200 2600 50.0 11/02/2018 ND 193 96.5 200 519 50.0 11/02/2018 ND | Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 304 16.0 11/05/2018 ND 400 100 400 0.00 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 139 50.0 11/02/2018 ND 191 95.4 200 1.79 2600 50.0 11/02/2018 ND 193 96.5 200 5.16 519 50.0 11/02/2018 ND |

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Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

10/31/2018

Sampling Date:

10/30/2018

Reported:

11/07/2018

Sampling Type:

Soil

Project Name:

STATE L 'A' 8 BATTERY

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location: NONE GIVEN

NOT GIVEN

Sample ID: SP 9-2' (H803121-06)

| BTEX 8021B | mg/ | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.12 | 106 | 2.00 | 0.751 | |
| Toluene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.14 | 107 | 2.00 | 1.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.16 | 108 | 2.00 | 0.756 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2018 | ND | 6.73 | 112 | 6.00 | 0.0117 | |
| Total BTEX | <0.300 | 0.300 | 11/03/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.0 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 11/05/2018 | 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 | 11/02/2018 | ND | 191 | 95.4 | 200 | 1.79 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/02/2018 | ND | 193 | 96.5 | 200 | 5.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/02/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.1 | % 41-142 | ı | | | | | | |
| Surrogate: 1-Chlorooctadecane | 87.9 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

RTFY 8021R

10/31/2018

Sampling Date:

10/30/2018

Reported:

11/07/2018

Sampling Type:

Soil

Project Name:

STATE L 'A' 8 BATTERY

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

NONE GIVEN

ma/ka

Project Location:

NOT GIVEN

Sample ID: SP 10-2' (H803121-07)

| B1EX 8021B | mg/ | кg | Anaiyze | a By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.12 | 106 | 2.00 | 0.751 | |
| Toluene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.14 | 107 | 2.00 | 1.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.16 | 108 | 2.00 | 0.756 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2018 | ND | 6.73 | 112 | 6.00 | 0.0117 | |
| Total BTEX | <0.300 | 0.300 | 11/03/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.3 | % 69.8-14. | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 11/05/2018 | 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 | 11/02/2018 | ND | 191 | 95.4 | 200 | 1.79 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/02/2018 | ND | 193 | 96.5 | 200 | 5.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/02/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 103 9 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 93.8 | % 37.6-14 | 7 | | | | | | |

Analyzed By: me

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Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received: Reported:

RTFY 8021R

10/31/2018

11/07/2018

Project Name:

STATE L 'A' 8 BATTERY

Project Number:

NONE GIVEN

ma/ka

Project Location:

NOT GIVEN

Sampling Date:

10/30/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: SP 11-2' (H803121-08)

| BIEX 8021B | mg | / kg | Anaiyze | ea By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.12 | 106 | 2.00 | 0.751 | |
| Toluene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.14 | 107 | 2.00 | 1.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.16 | 108 | 2.00 | 0.756 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2018 | ND | 6.73 | 112 | 6.00 | 0.0117 | |
| Total BTEX | <0.300 | 0.300 | 11/03/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.8 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 11/05/2018 | ND | 416 | 104 | 400 | 3.77 | |
| 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 | 11/02/2018 | ND | 191 | 95.4 | 200 | 1.79 | |
| DRO >C10-C28* | 47.3 | 10.0 | 11/02/2018 | ND | 193 | 96.5 | 200 | 5.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/02/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 98.3 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.9 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

Analyzed By: me

Cardinal Laboratories

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Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

10/31/2018

Sampling Date:

10/26/2018

Reported:

11/07/2018

Sampling Type:

Soil

Project Name:

STATE L 'A' 8 BATTERY

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN **NOT GIVEN**

Sample Received By: Tamara Oldaker

Sample ID: SP 12-2' (H803121-09)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.12 | 106 | 2.00 | 0.751 | |
| Toluene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.14 | 107 | 2.00 | 1.24 | |
| Ethylbenzene* | < 0.050 | 0.050 | 11/03/2018 | ND | 2.16 | 108 | 2.00 | 0.756 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2018 | ND | 6.73 | 112 | 6.00 | 0.0117 | |
| Total BTEX | <0.300 | 0.300 | 11/03/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 11/05/2018 | 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 | 11/02/2018 | ND | 191 | 95.4 | 200 | 1.79 | |
| DRO >C10-C28* | 62.0 | 10.0 | 11/02/2018 | ND | 193 | 96.5 | 200 | 5.16 | |
| EXT DRO >C28-C36 | 34.2 | 10.0 | 11/02/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 103 9 | 6 41-142 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.0 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

RTFY 8021R

10/31/2018

Sampling Date:

10/26/2018

Reported:

11/07/2018

Sampling Type:

Soil

Project Name:

STATE L 'A' 8 BATTERY

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

NONE GIVEN

ma/ka

Project Location:

NOT GIVEN

Sample ID: SP 13-2' (H803121-10)

| B1EX 8021B | mg | / kg | Anaiyze | a By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.12 | 106 | 2.00 | 0.751 | |
| Toluene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.14 | 107 | 2.00 | 1.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.16 | 108 | 2.00 | 0.756 | |
| Total Xylenes* | 0.189 | 0.150 | 11/03/2018 | ND | 6.73 | 112 | 6.00 | 0.0117 | |
| Total BTEX | <0.300 | 0.300 | 11/03/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 107 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 11/05/2018 | 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* | 14.6 | 10.0 | 11/02/2018 | ND | 191 | 95.4 | 200 | 1.79 | |
| DRO >C10-C28* | 222 | 10.0 | 11/02/2018 | ND | 193 | 96.5 | 200 | 5.16 | |
| EXT DRO >C28-C36 | 43.1 | 10.0 | 11/02/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 98.7 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.3 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

Analyzed By: me

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

10/31/2018

Sampling Date:

10/26/2018

Reported:

11/07/2018

Sampling Type:

Soil

Project Name:

STATE L 'A' 8 BATTERY

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

NONE GIVEN

Sample ID: SP 19-3' (H803121-11)

| BTEX 8260B | mg | /kg | Analyze | d By: ms | | | | | S-04 |
|---------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 0.364 | 0.100 | 11/07/2018 | ND | 1.73 | 86.4 | 2.00 | 1.09 | |
| Toluene* | 0.492 | 0.100 | 11/07/2018 | ND | 1.82 | 91.2 | 2.00 | 0.791 | |
| Ethylbenzene* | 6.25 | 0.100 | 11/07/2018 | ND | 1.78 | 89.0 | 2.00 | 1.33 | |
| Total Xylenes* | 3.03 | 0.300 | 11/07/2018 | ND | 5.71 | 95.2 | 6.00 | 2.97 | |
| Total BTEX | 10.1 | 0.600 | 11/07/2018 | ND | | | | | |
| Surrogate: Dibromofluoromethane | 97.6 | % 90.4-11 | 1 | | | | | | |
| Surrogate: Toluene-d8 | 162 | % 85.3-11 | 4 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 364 | % 80.1-12 | 1 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 944 | 16.0 | 11/05/2018 | 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* | 1550 | 100 | 11/02/2018 | ND | 191 | 95.4 | 200 | 1.79 | |
| DRO >C10-C28* | 11000 | 100 | 11/02/2018 | ND | 193 | 96.5 | 200 | 5.16 | |
| EXT DRO >C28-C36 | 1630 | 100 | 11/02/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 200 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 284 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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*=Accredited Analyte

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Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received: Reported: 10/31/2018

11/07/2018

Project Name: Project Number: STATE L 'A' 8 BATTERY

Project Location:

NONE GIVEN

Sampling Date:

10/29/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

NOT GIVEN

Sample ID: SP 24-2' (H803121-12)

| BTEX 8021B | mg/ | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.12 | 106 | 2.00 | 0.751 | |
| Toluene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.14 | 107 | 2.00 | 1.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2018 | ND | 2.16 | 108 | 2.00 | 0.756 | |
| Total Xylenes* | 0.184 | 0.150 | 11/03/2018 | ND | 6.73 | 112 | 6.00 | 0.0117 | |
| Total BTEX | <0.300 | 0.300 | 11/03/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 117 9 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 11/05/2018 | 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* | 26.8 | 10.0 | 11/03/2018 | ND | 191 | 95.4 | 200 | 1.79 | |
| DRO >C10-C28* | 1460 | 10.0 | 11/03/2018 | ND | 193 | 96.5 | 200 | 5.16 | |
| EXT DRO >C28-C36 | 463 | 10.0 | 11/03/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 104 5 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 146 | % 37 6-14 | 7 | | | | | | |

Surrogate: 1-Chlorooctadecane

146 %

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

BTEX 8260B

10/31/2018

Sampling Date:

10/29/2018

Reported:

11/07/2018

Sampling Type:

Soil

Project Name:

STATE L 'A' 8 BATTERY

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

S-04

Project Number:

NONE GIVEN

mg/kg

Project Location:

NOT GIVEN

Sample ID: SP 26-2' (H803121-13)

| D1LX 0200D | ilig | / Ng | Allalyze | u by. IIIs | | | | | J-0 -1 |
|---------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-------------------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.100 | 0.100 | 11/07/2018 | ND | 1.73 | 86.4 | 2.00 | 1.09 | |
| Toluene* | 2.31 | 0.100 | 11/07/2018 | ND | 1.82 | 91.2 | 2.00 | 0.791 | |
| Ethylbenzene* | 1.99 | 0.100 | 11/07/2018 | ND | 1.78 | 89.0 | 2.00 | 1.33 | |
| Total Xylenes* | 14.8 | 0.300 | 11/07/2018 | ND | 5.71 | 95.2 | 6.00 | 2.97 | |
| Total BTEX | 19.1 | 0.600 | 11/07/2018 | ND | | | | | |
| Surrogate: Dibromofluoromethane | 96.3 | % 90.4-11 | 1 | | | | | | |
| Surrogate: Toluene-d8 | 125 | % 85.3-11 | 4 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 207 | % 80.1-12 | 21 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 11/05/2018 | 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* | 543 | 50.0 | 11/02/2018 | ND | 191 | 95.4 | 200 | 1.79 | |
| DRO >C10-C28* | 5200 | 50.0 | 11/02/2018 | ND | 193 | 96.5 | 200 | 5.16 | |
| EXT DRO >C28-C36 | 656 | 50.0 | 11/02/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 163 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 150 | % 37.6-14 | !7 | | | | | | |
| | | | | | | | | | |

Analyzed By: ms

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

WHITE BUFFALO NATALIE GLADDEN 8908 YALE AVE #210 TULSA OK, 74137 Fax To:

Received:

10/31/2018

Sampling Date:

10/26/2018

Reported:

11/07/2018

Sampling Type:

Soil

Project Name:

STATE L 'A' 8 BATTERY

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location: NONE GIVEN **NOT GIVEN**

Sample ID: SP 28-1' (H803121-14)

| BTEX 8260B | mg | /kg | Analyze | d By: ms | | | | | S-04 |
|---------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/06/2018 | ND | 1.73 | 86.4 | 2.00 | 1.09 | |
| Toluene* | <0.025 | 0.025 | 11/06/2018 | ND | 1.82 | 91.2 | 2.00 | 0.791 | |
| Ethylbenzene* | 0.037 | 0.025 | 11/06/2018 | ND | 1.78 | 89.0 | 2.00 | 1.33 | |
| Total Xylenes* | 0.135 | 0.075 | 11/06/2018 | ND | 5.71 | 95.2 | 6.00 | 2.97 | |
| Total BTEX | 0.172 | 0.150 | 11/06/2018 | ND | | | | | |
| Surrogate: Dibromofluoromethane | 93.5 | % 90.4-11 | 1 | | | | | | |
| Surrogate: Toluene-d8 | 107 | % 85.3-11 | 4 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 203 | % 80.1-12 | 1 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 352 | 16.0 | 11/05/2018 | 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* | 26.8 | 10.0 | 11/03/2018 | ND | 191 | 95.4 | 200 | 1.79 | |
| DRO >C10-C28* | 1430 | 10.0 | 11/03/2018 | ND | 193 | 96.5 | 200 | 5.16 | |
| EXT DRO >C28-C36 | 438 | 10.0 | 11/03/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 104 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 144 | % 37.6-14 | 7 | | | | | | |

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S-06



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

Notes and Definitions

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

| 3-00 | matrix interference's. |
|-------|--|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| 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

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

| Company Name: | | 0/4-10 | ANALYGIG REQUEST | スロのこのこ |
|--------------------------------|--|--|---|--------|
| Project Manager: Bunt White | F | P.O. #: | | |
| Address: 4001 Penbrook St. | Str 201 | company: White Bullal | | |
| City: Odeana State: TX | Zip: 79762 | Attn: Steve McFarly | | |
| Phone #: Fax #: | | Address: 8908 Uple Ave # | 210 | |
| Project #: Project Owner: | | city: Julia | | |
| Project Name: Stock L "A" 8 BH | 2 | State: OK Zip: 74/37 | | |
| Project Location: | | Phone #: 918-660-0990 | ע | |
| Sampler Name: Monique Custo | | Fax #: | les | |
| FOR LAB USE ONLY | MATRIX | PRESERV, SAMPLING | | |
| lah ID Sample ID | WATER | | loriu TEX PH | |
| | # CONTA GROUNI WASTEV SOIL OIL SLUDGE | OTHER: ACID/BA ICE / CO OTHER: DATE TIME | Ch B T | |
| 1 582-1. | ' | 1 | () | |
| 2 583-1 | 2 | 01:1 8/05/01 / | 711 | |
| 3 SPb-2' | 2 | 10/30/18 11:20 | 9 | |
| 4 SP1-2' | ٠ ۲ | 10/24/18 11:30 | (| |
| 5 SP8-2' | 6 | 10/29/18 9:28 | () | |
| 6 569-2" | 2 | 94:1 81/08/01 C | 1 | |
| 750-2 | 6 | - 10/30/18 1:05 | 111 | |
| 8 5911-2' | 6 | 10/30/18 10:23 | 1 | |
| 9 5812-2' | () | ~ 10/21/18 8:30 | 111111111111111111111111111111111111111 | |
| 10 So13-2' | 6 | 10/26/13 10:55 | 111 | |

Relinquished By Relinquished By Sampler - UPS - Bus - Other: Delivered By: (Circle One) Time: /S': ST Time: Date: 31-18 Received By Cool Intact
Yes Yes
No No Sample Condition CHECKED BY: Limbore stated resonance.

| Solve stated reasonance of the resonance of t (Initials)



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: | | | ANALYSIS REQUEST |
|---|--|---|----------------------|
| Project Manager: The White | P.O. #: | 100 | |
| Address: 4001 Perboack St | . Ste. 201 com | company: White Bullale | |
| City: Odesso State: TX | Zip: 79762 Attn: | Attn: Steve Type For In | |
| Phone #: Fax #: | Addr | Address: 8908 yale fret | 210 |
| Project #: Project Owner: | city: | Julsa | |
| Project Name: Stote L "A" 8 | State State | State: OK Zip: 74/37 | |
| Project Location: | Phor | Phone #: 9/8-660-0999 | <u>a</u> |
| Sampler Name: Managus Cun- | Fax#: | | |
| FOR LAB USE ONLY | MATRIX | PRESERV. SAMPLING | |
| Lab I.D. Sample I.D. | B)RAB OR (C)OMP CONTAINERS ROUNDWATER //ASTEWATER OIL IL LUDGE THER: CID/BASE: | EE/COOL THER: | Chler BTEX TPH |
| 11 5019-3' | | ~ 10/21/18 [1:30 | 7 7 7 |
| 12 5824-2" | G \ | 80.01 20/22/01 | 777 |
| 13 SP26-2' | 9 | ~ 10/29/18 9:37 | 999 |
| 14 5828-11 | 7 | ~ 10pa/18 8:50 | 9 |
| | | | |
| | | | |
| | | | |
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| Relinquished By: | Date: | Received By: | Phone Result: ☐ Yes ☐ No ☐ Add'l Phone #: |
|---|----------|--|---|
| | 10-01-18 | | Fax Result: ☐ Yes ☐ No Add'l Fax #: |
| 1 | Time: | January Market | REMARKS: |
| Relinquished By | Date: | Received By: | Email 1. 1. 1. Godden @ white buffelo.com |
| (| Time: | | Marin (into Quente buffalo com |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | 4.30 | Sample Condition CHECKED BY: Cool Infact (Initials) Types T | Wordmin |



August 19, 2019

CARMEN PITT
VANGUARD / GRIZZLY
4001 PENBROOK STE. 201
ODESSA, TX 79762

RE: STATE L'A

Enclosed are the results of analyses for samples received by the laboratory on 08/15/19 7:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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:

VANGUARD / GRIZZLY **CARMEN PITT** 4001 PENBROOK STE. 201 **ODESSA TX, 79762** Fax To:

Received:

08/15/2019

Sampling Date:

08/12/2019

Reported:

08/19/2019

Sampling Type:

Soil

Project Name: Project Number: STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 1 - 2 (H902798-01)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 108 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 496 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| 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* | <100 | 100 | 08/16/2019 | ND | 191 | 95.7 | 200 | 1.10 | |
| DRO >C10-C28* | 4640 | 100 | 08/16/2019 | ND | 200 | 100 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 1770 | 100 | 08/16/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 103 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 300 | % 37.6-14 | 7 | | | | | | |

Surrogate: 1-Chlorooctadecane

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

VANGUARD / GRIZZLY CARMEN PITT 4001 PENBROOK STE. 201 ODESSA TX, 79762 Fax To:

Received:

08/15/2019

Sampling Date:

08/12/2019

Reported:

08/19/2019 STATE L'A

Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 2 - 2 (H902798-02)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | 0.160 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 128 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1440 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| 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* | <50.0 | 50.0 | 08/16/2019 | ND | 191 | 95.7 | 200 | 1.10 | |
| DRO >C10-C28* | 2060 | 50.0 | 08/16/2019 | ND | 200 | 100 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 1010 | 50.0 | 08/16/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 103 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 182 | % 37.6-14 | 7 | | | | | | |

Surrogate: 1-Chlorooctadecane

182 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

VANGUARD / GRIZZLY CARMEN PITT 4001 PENBROOK STE. 201 ODESSA TX, 79762 Fax To:

Received:

08/15/2019

Sampling Date:

08/12/2019

Reported:

08/19/2019

Sampling Type:

Soil

Project Name:

STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

NOT GIVEN

Sample ID: SP 3 - 2 (H902798-03)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| | | | | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID

117 %

73.3-129

| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1420 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| 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* | <50.0 | 50.0 | 08/16/2019 | ND | 191 | 95.7 | 200 | 1.10 | |
| DRO >C10-C28* | 4390 | 50.0 | 08/16/2019 | ND | 200 | 100 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 1690 | 50.0 | 08/16/2019 | ND | | | | | |

Surrogate: 1-Chlorooctane

106 %

41-142

Surrogate: 1-Chlorooctadecane

279 %

37.6-147

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Analytical Results For:

VANGUARD / GRIZZLY **CARMEN PITT** 4001 PENBROOK STE. 201 **ODESSA TX, 79762** Fax To:

Received:

08/15/2019

Sampling Date:

08/12/2019

Reported:

08/19/2019 STATE L'A

Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 4 - 2 (H902798-04)

| BTEX 8021B | mg/kg | | Analyzed By: ms | | | | | S-04 | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | 0.195 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 162 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1170 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 139 | 50.0 | 08/16/2019 | ND | 191 | 95.7 | 200 | 1.10 | |
| DRO >C10-C28* | 6230 | 50.0 | 08/16/2019 | ND | 200 | 100 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 1940 | 50.0 | 08/16/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 107 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 314 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Keene



Analytical Results For:

VANGUARD / GRIZZLY **CARMEN PITT** 4001 PENBROOK STE. 201 **ODESSA TX, 79762** Fax To:

Received:

08/15/2019

Sampling Date:

08/12/2019

Reported:

08/19/2019 STATE L'A

Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 5 - 1 (H902798-05)

| BTEX 8021B | mg/ | kg | Analyze | Analyzed By: ms | | | | S-04 | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | | |
| Toluene* | 0.084 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | | |
| Ethylbenzene* | 0.862 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | | |
| Total Xylenes* | 0.685 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | | |
| Total BTEX | 1.63 | 0.300 | 08/17/2019 | ND | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 130 9 | % 73.3-12 | 9 | | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: AC | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1140 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | | |
| 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* | 72.7 | 50.0 | 08/16/2019 | ND | 191 | 95.7 | 200 | 1.10 | | |
| DRO >C10-C28* | 9660 | 50.0 | 08/16/2019 | ND | 200 | 100 | 200 | 1.10 | | |
| EXT DRO >C28-C36 | 3770 | 50.0 | 08/16/2019 | ND | | | | | | |
| Surrogate: 1-Chlorooctane | 109 9 | % 41-142 | ? | | | | | | | |
| Surrogata: 1 Chlorocetadaeana | 161.0 | V 37.6.14 | 7 | | | | | | | |

Surrogate: 1-Chlorooctadecane

461 %

37.6-147

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Analytical Results For:

VANGUARD / GRIZZLY **CARMEN PITT** 4001 PENBROOK STE. 201 **ODESSA TX, 79762** Fax To:

Received:

08/15/2019

Sampling Date:

08/12/2019

Reported:

08/19/2019

Sampling Type:

Soil

Project Name: Project Number: STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 6 - 1 (H902798-06)

| BTEX 8021B | mg | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID

120 %

73.3-129

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 784 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <50.0 | 50.0 | 08/16/2019 | ND | 191 | 95.7 | 200 | 1.10 | |
| DRO >C10-C28* | 9130 | 50.0 | 08/16/2019 | ND | 200 | 100 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 3410 | 50.0 | 08/16/2019 | ND | | | | | |

Surrogate: 1-Chlorooctane

106 %

41-142

Surrogate: 1-Chlorooctadecane

490 %

37.6-147

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Analytical Results For:

VANGUARD / GRIZZLY **CARMEN PITT** 4001 PENBROOK STE. 201 **ODESSA TX, 79762** Fax To:

Received:

08/15/2019

Sampling Date:

08/12/2019

Reported:

08/19/2019 STATE L'A

Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 7 - 2 (H902798-07)

| BTEX 8021B | mg | /kg | Analyze | ed By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | 0.174 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 800 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyzed By: MS | | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <100 | 100 | 08/16/2019 | ND | 191 | 95.7 | 200 | 1.10 | |
| DRO >C10-C28* | 18200 | 100 | 08/16/2019 | ND | 200 | 100 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 7320 | 100 | 08/16/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 107 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 626 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

VANGUARD / GRIZZLY CARMEN PITT 4001 PENBROOK STE. 201 ODESSA TX, 79762 Fax To:

Received:

RTFY 8021R

08/15/2019

Sampling Date:

08/12/2019

Reported:

08/19/2019 STATE L'A Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

ma/ka

Sampling Condition: Sample Received By: Cool & Intact
Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 8 - 2 (H902798-08)

| B1EX 8021B | mg/ | кд | Anaiyze | a By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | 0.058 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 704 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| 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* | <50.0 | 50.0 | 08/16/2019 | ND | 191 | 95.7 | 200 | 1.10 | |
| DRO >C10-C28* | 2370 | 50.0 | 08/16/2019 | ND | 200 | 100 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 1200 | 50.0 | 08/16/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.9 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 219 | % 37.6-14 | 7 | | | | | | |

Analyzed By: me

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

VANGUARD / GRIZZLY CARMEN PITT 4001 PENBROOK STE. 201 ODESSA TX, 79762 Fax To:

Received:

08/15/2019

Sampling Date:

08/12/2019

Reported:

08/19/2019

Sampling Type:

Soil

Project Name: Project Number: STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact
Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 9 - 2 (H902798-09)

| 3TEX 8021B | mg/kg | | Analyzed By: ms | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.5 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| 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* | <50.0 | 50.0 | 08/16/2019 | ND | 191 | 95.7 | 200 | 1.10 | |
| DRO >C10-C28* | 10100 | 50.0 | 08/16/2019 | ND | 200 | 100 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 3120 | 50.0 | 08/16/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 99.7 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 528 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

VANGUARD / GRIZZLY **CARMEN PITT** 4001 PENBROOK STE. 201 **ODESSA TX, 79762** Fax To:

Received:

08/15/2019

Sampling Date:

08/12/2019

Reported:

08/19/2019 STATE L'A

Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 10 - 2 (H902798-10)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 93.5 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1600 | 16.0 | 08/16/2019 | 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 | 08/16/2019 | ND | 191 | 95.7 | 200 | 1.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/16/2019 | ND | 200 | 100 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 15.6 | 10.0 | 08/16/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.0 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.0 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

VANGUARD / GRIZZLY **CARMEN PITT** 4001 PENBROOK STE. 201 **ODESSA TX, 79762** Fax To:

Received:

08/15/2019

Sampling Date:

08/08/2019

Reported:

08/19/2019 STATE L'A

Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 11 - 2 (H902798-11)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|---------|-------------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | < 0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | < 0.050 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | < 0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 93.2 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | mg/kg | | Analyzed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 752 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2019 | ND | 191 | 95.7 | 200 | 1.10 | |
| DRO >C10-C28* | 129 | 10.0 | 08/16/2019 | ND | 200 | 100 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 81.5 | 10.0 | 08/16/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.3 9 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 100 % | 6 37 6-1 <i>4</i> | 7 | | | | | | |

Surrogate: 1-Chlorooctadecane

100 %

37.6-147

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Analytical Results For:

VANGUARD / GRIZZLY CARMEN PITT 4001 PENBROOK STE. 201 ODESSA TX, 79762 Fax To:

Received:

08/15/2019

Sampling Date:

08/08/2019

Reported:

08/19/2019 STATE L'A Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 12 - 2 (H902798-12)

| BTEX 8021B | mg | /kg | Analyze | ed By: ms | | | | | S-04 |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | < 0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | < 0.050 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 151 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 199 | 50.0 | 08/16/2019 | ND | 191 | 95.7 | 200 | 1.10 | |
| DRO >C10-C28* | 5340 | 50.0 | 08/16/2019 | ND | 200 | 100 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 1320 | 50.0 | 08/16/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 143 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 322 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VANGUARD / GRIZZLY **CARMEN PITT** 4001 PENBROOK STE. 201 **ODESSA TX, 79762** Fax To:

Received:

08/15/2019

Sampling Date:

08/08/2019

Reported:

08/19/2019 STATE L'A

Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 13 - 2 (H902798-13)

| B1EX 8021B | mg/kg |
|------------|-------|
| | |

| BTEX 8021B | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|---------|-----------------|-----------------|--------------|---------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | < 0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| | | | | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID

94.0 %

73.3-129

| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <50.0 | 50.0 | 08/16/2019 | ND | 191 | 95.7 | 200 | 1.10 | |
| DRO >C10-C28* | 142 | 50.0 | 08/16/2019 | ND | 200 | 100 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 186 | 50.0 | 08/16/2019 | ND | | | | | |

Surrogate: 1-Chlorooctane

95.7%

41-142

Surrogate: 1-Chlorooctadecane

109 %

37.6-147

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Analytical Results For:

VANGUARD / GRIZZLY **CARMEN PITT** 4001 PENBROOK STE. 201 **ODESSA TX, 79762** Fax To:

Received:

08/15/2019

Sampling Date:

08/08/2019

Reported:

08/19/2019

Sampling Type:

Soil

Project Name: Project Number: STATE L'A NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

ma/ka

Sample ID: SP 14 - 1 (H902798-14)

| BTEX | 8021B | | |
|------|-------|--|--|
| | | | |

| BIEX 8021B | mg | r kg | Anaiyze | a by: ms | | | | | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| | | | | | | | | | |

Analyzed By: me

Surrogate: 4-Bromofluorobenzene (PID

92.8 %

73.3-129

| Chloride, SM4500Cl-B | mg | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|-----------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <50.0 | 50.0 | 08/16/2019 | ND | 191 | 95.7 | 200 | 1.10 | |
| DRO >C10-C28* | 1080 | 50.0 | 08/16/2019 | ND | 200 | 100 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 568 | 50.0 | 08/16/2019 | ND | | | | | |

Surrogate: 1-Chlorooctane

87.6 %

41-142

Surrogate: 1-Chlorooctadecane

134 %

37.6-147

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Analytical Results For:

VANGUARD / GRIZZLY **CARMEN PITT** 4001 PENBROOK STE. 201 **ODESSA TX, 79762** Fax To:

Received:

08/15/2019

Sampling Date:

08/08/2019

Reported:

08/19/2019

Sampling Type:

Soil

Project Name:

STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

NOT GIVEN

Sample ID: SP 15 - 1 (H902798-15)

| BTEX 8021B | mg/k |
|------------|------|
| | |

| BIEX 8021B | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| | | | | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID

93.2 %

73.3-129

| Chloride, SM4500CI-B | mg/kg | | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/16/2019 | ND | 191 | 95.7 | 200 | 1.10 | |
| DRO >C10-C28* | 1160 | 10.0 | 08/16/2019 | ND | 200 | 100 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 551 | 10.0 | 08/16/2019 | ND | | | | | |

Surrogate: 1-Chlorooctane

97.3 %

41-142

Surrogate: 1-Chlorooctadecane

154 %

37.6-147

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Analytical Results For:

VANGUARD / GRIZZLY **CARMEN PITT** 4001 PENBROOK STE. 201 **ODESSA TX, 79762** Fax To:

Received:

08/15/2019

Sampling Date:

08/08/2019

Reported:

08/19/2019 STATE L'A

Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 16 - 1 (H902798-16)

| DIEY ONSTR | ilig/i | ĸy |
|------------|--------|----|
| | | |
| Analyto | Pocult | |

| DILX 0021D | 11197 | r.y | Allalyze | u by. IIIS | | | | | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| | | | | | | | | | |

Analyzed By: me

Surrogate: 4-Bromofluorobenzene (PID

93.7 %

73.3-129

| Chloride, SM4500Cl-B | mg | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|-----------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <50.0 | 50.0 | 08/15/2019 | ND | 189 | 94.5 | 200 | 3.25 | |
| DRO >C10-C28* | 356 | 50.0 | 08/15/2019 | ND | 220 | 110 | 200 | 0.971 | |
| EXT DRO >C28-C36 | 236 | 50.0 | 08/15/2019 | ND | | | | | |

Surrogate: 1-Chlorooctane

94.7 %

41-142

Surrogate: 1-Chlorooctadecane

119 %

37.6-147

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Analytical Results For:

VANGUARD / GRIZZLY **CARMEN PITT** 4001 PENBROOK STE. 201 **ODESSA TX, 79762** Fax To:

Received:

08/15/2019

Sampling Date:

08/08/2019

Reported:

08/19/2019

Sampling Type:

Soil

Project Name: Project Number: STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: SP 17-1 (H902798-17)

| BTEX 8021B | mg/kg | | Analyze | Analyzed By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 124 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| 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* | <100 | 100 | 08/15/2019 | ND | 189 | 94.5 | 200 | 3.25 | |
| DRO >C10-C28* | 12600 | 100 | 08/15/2019 | ND | 220 | 110 | 200 | 0.971 | |
| EXT DRO >C28-C36 | 4680 | 100 | 08/15/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.0 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 542 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

VANGUARD / GRIZZLY **CARMEN PITT** 4001 PENBROOK STE. 201 **ODESSA TX, 79762** Fax To:

Received:

08/15/2019

Reported:

08/19/2019 STATE L'A

Project Name: Project Number: Project Location:

NONE GIVEN **NOT GIVEN**

Sampling Date:

08/08/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Sample ID: SP 18 - 1 (H902798-18)

| BTEX 8021B | mg/kg | | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.86 | 92.9 | 2.00 | 3.68 | |
| Toluene* | <0.050 | 0.050 | 08/17/2019 | ND | 1.96 | 98.0 | 2.00 | 4.39 | |
| Ethylbenzene* | 0.169 | 0.050 | 08/17/2019 | ND | 2.09 | 104 | 2.00 | 3.42 | |
| Total Xylenes* | <0.150 | 0.150 | 08/17/2019 | ND | 6.31 | 105 | 6.00 | 2.69 | |
| Total BTEX | <0.300 | 0.300 | 08/17/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-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 | 08/16/2019 | ND | 432 | 108 | 400 | 0.00 | |
| 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* | <50.0 | 50.0 | 08/15/2019 | ND | 189 | 94.5 | 200 | 3.25 | |
| DRO >C10-C28* | 2990 | 50.0 | 08/15/2019 | ND | 220 | 110 | 200 | 0.971 | |
| EXT DRO >C28-C36 | 1260 | 50.0 | 08/15/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.5 | % 41-142 | ? | | | | | | |
| Surrogata: 1 Chlorocetadaeana | 187 | 9/ 37614 | 17 | | | | | | |

Surrogate: 1-Chlorooctadecane

187 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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S-06



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

Notes and Definitions

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

| 3-00 | matrix interference's. |
|-------|--|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| 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

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

| Joniparty Hame: | ul yuura / arizuy | | | | | | | | RI | LL TO | | | | | | ANA | LYS | IS R | EQU | JEST | | | |
|--|--|---|----------------------|-------------|----------|---------------|----------|------------|-------------------|------------------|--|---|--|---|------|---------|-------------------|------|-----|------|---|---|-----|
| Project Manager: | arrhen pH | | | | | | P.C | O. #: | Va | MILL | urc | | | T | | T | | | | T | | | |
| Address: | | | | | | | Co | mpa | ny: | artz2 | les . | | | | | | | | | | | | |
| City: | State: | Zip | 1 | | | | Att | tn:C | arr | men | Diff | | | | | | | | | | | | |
| Phone #: | Fax #: | | | | | | Ad | dres | s:4 | W DO | nbruk | | | | | | 1 | | | | | | |
| Project #: | Project Owne | r: | | | | | | y:S | | -201 | COSSC | 1 | | | | | 1 | | | | | | |
| Project Name: | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | | ate: | X | Zip: | DGA | | | 1 | | | | | M | | | | |
| Project Location: | State L'A | | | | | | Ph | one | #:4 | 32-2 | 18-814 | 8 | 1 | | | | 1 | | | | | | 1 1 |
| Sampler Name: | 1. Rivera | | | | | | Fax | x #: | | | 10 -1 1 | | | | | | | | | | | 1 | |
| FOR LAB USE ONLY | | | | | MA | RIX | | PRE | SERV | SAMP | LING | 10 | | | 1 | | 1 | | | | | | |
| Lab I.D. H902.798 I S 950 450 750 850 | Sample I.D. Pl-2 Pa-3 Pa-3 Pa-1 Pa-1 Pa-1 Pa-2 Pa-2 Pa-2 Pa-2 Pa-2 | GGGGGGGGGGGGGGGGGGGG | + CONTAINERS | GROUNDWATER | XXXXX | SLUDGE | отнея: | | X X X X CE / COOL | DATE 8-12-K | 8:09 8:17 8:37 8:37 8:54 9:08 9:14 9:18 9:16 | SAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | | | | | | | | | |
| PLEASE NOTE: Liability and Dam | nages. Cardinal's liability and client's exclusive remedy for | any clair | n arisir | ng whether | based | in contrac | t or tor | t, shall t | e limited | to the amount of | 9:34 | or the | X | X | | | | | | | | | |
| service. In no event shall Cardinal | se for regigence and any other cause whatsoever shall be I be liable for incidental or consequental damages, includin | deemed withou | d waive of limits | d unless r | nade in | writing an | d recei | ved by | Cardinal | within 30 days a | fter completion of | the applica | ble | | | | | | | | | | |
| Relinquished By: | of or related to the performance of services hereunder by | Cardinal, | , regard | dless of wi | nether s | uch claim | is base | ed upon | any of th | ne above stated | Phone Re | ise. | | 20 | □ Ne | A alcon | Dha | - #- | | | | | |
| Relinquished By: | Nemeroz Date: 0:15:15 Time: 5:3 Date: 8:15:19 Time: 0:755 | 7 | L | and red By | | 0 | lde (| a k | n las | Vel | Fax Resurrence REMARK | ilt: S: | | es | © No | Add' | Phone I Fax #: | | xse | .00 | m | | |
| Defivered By: (C Sampler - UPS - B | circle One) 2.6°/ | ect | 19 | Co | oi I | Condite ntact | | 12 | | (ED BY: | nak | add | en | 0 | Hur | gru | - H | ors | e.c | cm | | | |
| | | - | | | INO | _ N | | 1, | | | | | | | | | | | | | | | - I |





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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| (575) 393-2326 FAX (575) 393-2476 | | | | | |
|--|--|---|---|----------------------------------|--------|
| Company Name: CONQUENCY CANCELLA | | BILL TO | | ANALYSIS REQUEST | * |
| Project Manager: Campen OIH | | P.O. #: Vanau | ard | | |
| Address: | | Company: Carita | | | |
| City: State: Zip: | | Attn: Carmen | HIC | | |
| Phone #: Fax #: | | Address: 4001 Q | Enbrook | | |
| Project #: Project Owner: | | City: STE 201 | odesso | | |
| Project Name: | | State: X Zip: 19 | 1602 | | |
| Project Location: State L'A | | Phone #: 438- 24 | 8-846 | | |
| Sampler Name: M. KIWIO | | Fax #: | | | |
| FOR LAB USE ONLY | MATRIX | PRESERV. SAMPL | ING | | |
| 115011-2 | GROUNDWATER WASTEWATER SOIL OIL SLUDGE | | TIME CULTURE Y X X X Y | | |
| 19/06/19-2 | X | Z | 10:00 X X X | | |
| | - 8 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 10:21 X X X | | |
| 145014-1 155015-1 | 0 | A L | 10:38 X X X | | |
| 160616-1 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | 10:43 X X X | | |
| | 2 | | 10:36 X X X | | |
| 185017-1 | V + | 1811 | 11:00 X X X | | |
| - WA 10 . G 1 | | | 11,44 V X X | | |
| | | | | | |
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| harum Manfener 8:15.19 Time: 7:53 | anoli C | Jolakie | Fax Result: Yes | No Add'l Fax #: | 0.0000 |
| Brandi Oldaka 8-15-15 | AULOYA Sample Condition | Idas Section By | montanez | .0 Hungry-Hors ungry-Horse.Cu | m |
| Sampler - UPS - Bus - Other: 2.00/2.4 correct | Cool Intact Yes Yes | On CHECKED BY: (Initials) BW | Maladament | my y - 1 to 3 c. o | |



August 23, 2019

NATALIE GLADDEN
Hungry Horse Environmental
P.O. Box 1058
Hobbs, NM 88240

RE: STATE L'A

Enclosed are the results of analyses for samples received by the laboratory on 08/22/19 10:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

Received:

08/22/2019

08/20/2019

Reported:

08/23/2019 STATE L'A Soil

Project Name: Project Number:

NONE GIVEN

Cool & Intact Jodi Henson

Project Location:

VANGUARD/ GRIZZLY

Sample ID: SW E - 1 (H902886-01)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.77 | 88.5 | 2.00 | 6.43 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.92 | 95.9 | 2.00 | 5.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 2.05 | 103 | 2.00 | 4.68 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 6.10 | 102 | 6.00 | 4.65 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 92.2 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1040 | 16.0 | 08/23/2019 | ND | 432 | 108 | 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 | 08/22/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 100 9 | % 41-142 | ı | | | | | | |
| Surrogate: 1-Chlorooctadecane | 107 9 | % 37.6-14 | 7 | | | | | | |

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*=Accredited Analyte

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/20/2019

Reported:

08/23/2019 STATE L'A Sampling Type:

Soil

Project Name:

BTEX 8021B

NONE GIVEN

mg/kg

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

VANGUARD/ GRIZZLY

Sample ID: SW W - 1 (H902886-02)

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|--------|-----------------|---------------------|--------------|-----------|------------|---------------|----------|------------------------|
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.77 | 88.5 | 2.00 | 6.43 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.92 | 95.9 | 2.00 | 5.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 2.05 | 103 | 2.00 | 4.68 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 6.10 | 102 | 6.00 | 4.65 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 89.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d Bv: AC | | | | | |
| | | | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Analyte Chloride | Result | Reporting Limit | Analyzed 08/23/2019 | | BS 432 | % Recovery | True Value QC | RPD 3.77 | Qualifier |
| , | | 16.0 | 08/23/2019 | Method Blank | | , | · | | Qualifier |
| Chloride | 768 | 16.0 | 08/23/2019 | Method Blank | | , | · | | Qualifier Qualifier |

ND

ND

194

96.8

200

5.00

Analyzed By: ms

Surrogate: 1-Chlorooctane

DRO >C10-C28*

EXT DRO >C28-C36

109 %

<10.0

<10.0

41-142

08/22/2019

08/22/2019

10.0

10.0

Surrogate: 1-Chlorooctadecane

117 %

37.6-147

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/20/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number:

NONE GIVEN

Project Location:

VANGUARD/ GRIZZLY

Sample ID: SW S - 1 (H902886-03)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.77 | 88.5 | 2.00 | 6.43 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.92 | 95.9 | 2.00 | 5.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 2.05 | 103 | 2.00 | 4.68 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 6.10 | 102 | 6.00 | 4.65 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 89.1 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2240 | 16.0 | 08/23/2019 | ND | 432 | 108 | 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 | 08/22/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | 142 | 10.0 | 08/22/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | 98.9 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 110 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 129 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Freene



Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/20/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

RTFY 8021R

STATE L'A NONE GIVEN

ma/ka

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

VANGUARD/ GRIZZLY

Sample ID: SW N - 1 (H902886-04)

| BIEX 8021B | mg | / kg | Anaiyze | ea By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.77 | 88.5 | 2.00 | 6.43 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.92 | 95.9 | 2.00 | 5.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 2.05 | 103 | 2.00 | 4.68 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 6.10 | 102 | 6.00 | 4.65 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 89.8 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 08/23/2019 | ND | 432 | 108 | 400 | 3.77 | |
| 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 | 08/22/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 113 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 123 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

Analyzed By: me

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/20/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 1 - SP 1 (H902886-05)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: ms | | | | | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.77 | 88.5 | 2.00 | 6.43 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.92 | 95.9 | 2.00 | 5.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 2.05 | 103 | 2.00 | 4.68 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 6.10 | 102 | 6.00 | 4.65 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| | | | | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID

87.8 %

73.3-129

| mg, | /kg | Analyze | d By: AC | | | | | |
|--------|-----------------------------------|---|--|---|---|---|--|--|
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| 2120 | 16.0 | 08/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| mg, | /kg | Analyze | d By: MS | | | | | S-06 |
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| <50.0 | 50.0 | 08/22/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| 2650 | 50.0 | 08/22/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| 1500 | 50.0 | 08/22/2019 | ND | | | | | |
| | Result 2120 mg, Result <50.0 2650 | 2120 16.0 mg/kg Result Reporting Limit <50.0 50.0 2650 50.0 | Result Reporting Limit Analyzed 2120 16.0 08/23/2019 mg/kg Analyze Result Reporting Limit Analyzed <50.0 | Result Reporting Limit Analyzed Method Blank 2120 16.0 08/23/2019 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank <50.0 | Result Reporting Limit Analyzed Method Blank BS 2120 16.0 08/23/2019 ND 416 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <50.0 | Result Reporting Limit Analyzed Method Blank BS % Recovery 2120 16.0 08/23/2019 ND 416 104 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <50.0 | Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 2120 16.0 08/23/2019 ND 416 104 400 Mesult Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <50.0 | Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 2120 16.0 08/23/2019 ND 416 104 400 0.00 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <50.0 |

Surrogate: 1-Chlorooctane

112 %

41-142

Surrogate: 1-Chlorooctadecane

248 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/20/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 1 - SP 2 (H902886-06)

| BTEX 8021B | mg | /kg | Analyze | ed By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.77 | 88.5 | 2.00 | 6.43 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.92 | 95.9 | 2.00 | 5.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 2.05 | 103 | 2.00 | 4.68 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 6.10 | 102 | 6.00 | 4.65 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 90.5 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 976 | 16.0 | 08/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | 1260 | 10.0 | 08/23/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | 597 | 10.0 | 08/23/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 107 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 168 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/20/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 1 - SP 3 (H902886-07)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/23/2019 | ND | 1.77 | 88.5 | 2.00 | 6.43 | |
| Toluene* | <0.050 | 0.050 | 08/23/2019 | ND | 1.92 | 95.9 | 2.00 | 5.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/23/2019 | ND | 2.05 | 103 | 2.00 | 4.68 | |
| Total Xylenes* | <0.150 | 0.150 | 08/23/2019 | ND | 6.10 | 102 | 6.00 | 4.65 | |
| Total BTEX | <0.300 | 0.300 | 08/23/2019 | ND | | | | | |
| | | | | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID

93.4 %

73.3-129

| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 544 | 16.0 | 08/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyzed By: MS | | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <50.0 | 50.0 | 08/22/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | 4840 | 50.0 | 08/22/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | 1960 | 50.0 | 08/22/2019 | ND | | | | | |

Surrogate: 1-Chlorooctane

124 %

41-142

Surrogate: 1-Chlorooctadecane

313 %

37.6-147

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/20/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 1 - SP 4 (H902886-08)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: ms | | | | | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/23/2019 | ND | 1.77 | 88.5 | 2.00 | 6.43 | |
| Toluene* | <0.050 | 0.050 | 08/23/2019 | ND | 1.92 | 95.9 | 2.00 | 5.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/23/2019 | ND | 2.05 | 103 | 2.00 | 4.68 | |
| Total Xylenes* | <0.150 | 0.150 | 08/23/2019 | ND | 6.10 | 102 | 6.00 | 4.65 | |
| Total BTEX | <0.300 | 0.300 | 08/23/2019 | ND | | | | | |
| - | | | | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID

91.5 %

73.3-129

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 464 | 16.0 | 08/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/22/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | 1180 | 10.0 | 08/22/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | 404 | 10.0 | 08/22/2019 | ND | | | | | |
| | | | | | | | | | |

Surrogate: 1-Chlorooctane

111 %

41-142

Surrogate: 1-Chlorooctadecane

161 %

37.6-147

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Celeg D. Freene



Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/20/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

NONE GIVEN VANGUARD/ GRIZZLY

Sample ID: CLOSURE 1 - SP 5 (H902886-09)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: ms | | | | | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/23/2019 | ND | 1.77 | 88.5 | 2.00 | 6.43 | |
| Toluene* | <0.050 | 0.050 | 08/23/2019 | ND | 1.92 | 95.9 | 2.00 | 5.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/23/2019 | ND | 2.05 | 103 | 2.00 | 4.68 | |
| Total Xylenes* | <0.150 | 0.150 | 08/23/2019 | ND | 6.10 | 102 | 6.00 | 4.65 | |
| Total BTEX | <0.300 | 0.300 | 08/23/2019 | ND | | | | | |
| - | | | | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID

97.4 %

73.3-129

| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 448 | 16.0 | 08/23/2019 | 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* | <10.0 | 10.0 | 08/22/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | 998 | 10.0 | 08/22/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | 331 | 10.0 | 08/22/2019 | ND | | | | | |

Surrogate: 1-Chlorooctane

86.7 %

41-142

Surrogate: 1-Chlorooctadecane

126 %

37.6-147

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/20/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

VANGUARD/ GRIZZLY

Sample ID: COMP 1 (H902886-10)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/23/2019 | ND | 1.77 | 88.5 | 2.00 | 6.43 | |
| Toluene* | <0.050 | 0.050 | 08/23/2019 | ND | 1.92 | 95.9 | 2.00 | 5.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/23/2019 | ND | 2.05 | 103 | 2.00 | 4.68 | |
| Total Xylenes* | <0.150 | 0.150 | 08/23/2019 | ND | 6.10 | 102 | 6.00 | 4.65 | |
| Total BTEX | <0.300 | 0.300 | 08/23/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 91.5 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 576 | 16.0 | 08/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | 1920 | 10.0 | 08/23/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | 729 | 10.0 | 08/23/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 106 9 | % 41-142 | ! | | | | | | |
| Surrogate: 1-Chlorooctadecane | 193 9 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 2 - SW 1 (H902886-11)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 107 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 08/23/2019 | 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* | <10.0 | 10.0 | 08/22/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 109 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 117 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Freene



Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 2 - SW 2 (H902886-12)

| BTEX 8021B | mg | /kg | Analyze | ed By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 08/23/2019 | 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 | 08/22/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 111 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 120 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 2 - SW 3 (H902886-13)

| BTEX 8021B | mg | /kg | Analyze | ed By: MS | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | < 0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 08/23/2019 | 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 | 08/22/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 112 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 121 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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*=Accredited Analyte

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 2 - SW 4 (H902886-14)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 % | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 08/23/2019 | 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* | <10.0 | 10.0 | 08/22/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 113 % | 6 41-142 | ı | | | | | | |
| Surrogate: 1-Chlorooctadecane | 123 % | 37.6-14 | 7 | | | | | | |

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*=Accredited Analyte

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019 STATE L'A Sampling Type:

Soil

Project Name:

NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 2 - SP 1 (H902886-15)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID

107 %

73.3-129

| hloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
|---------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1760 | 16.0 | 08/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | 2060 | 10.0 | 08/23/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | 1200 | 10.0 | 08/23/2019 | ND | | | | | |

Surrogate: 1-Chlorooctane

115 %

41-142

Surrogate: 1-Chlorooctadecane

199 %

37.6-147

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 2 - SP 2 (H902886-16)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: MS | | | | | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| | | | | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID

106 %

73.3-129

| Chloride, SM4500CI-B | mg | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|-----------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1870 | 16.0 | 08/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | 015M mg/kg | | Analyzed By: MS | | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | 2350 | 10.0 | 08/23/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | 1390 | 10.0 | 08/23/2019 | ND | | | | | |

Surrogate: 1-Chlorooctane

113 %

41-142

Surrogate: 1-Chlorooctadecane

207 %

37.6-147

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019 STATE L'A

Sampling Type:

Soil

Project Name:

NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 2 - SP 3 (H902886-17)

| BTEX 8021B | mg/kg | | Analyzed By: MS | | | | | | |
|---------------------------------|------------|-----------------|-----------------|--------------|------|---------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | BS % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | < 0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene | (PID 103 : | % 73.3-12 | Q . | | | | | | |

| Surrogate: 4-Bromofluorobenzene | (PID | 103 % | 73.3- |
|---------------------------------|------|-------|-------|
|---------------------------------|------|-------|-------|

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS % | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 640 | 16.0 | 08/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M mg/kg | | /kg | Analyzed By: MS | | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | 1430 | 10.0 | 08/23/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | 701 | 10.0 | 08/23/2019 | ND | | | | | |
| | | | | | | | | | |

Surrogate: 1-Chlorooctane 104 % 41-142 Surrogate: 1-Chlorooctadecane 164 % 37.6-147

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019 STATE L'A Sampling Type:

Soil

Project Name:

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

NONE GIVEN

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 2 - SP 4 (H902886-18)

| BTEX 8021B | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|-----------------|--------------|---------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS % Recovery | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| | | | | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID

107 %

73.3-129

| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 560 | 16.0 | 08/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M mg/kg | | /kg | Analyzed By: MS | | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/23/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | 1190 | 10.0 | 08/23/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | 600 | 10.0 | 08/23/2019 | ND | | | | | |

Surrogate: 1-Chlorooctane

105 %

41-142

Surrogate: 1-Chlorooctadecane

168 %

37.6-147

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Celeg D. Freene



Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 2 - SP 5 (H902886-19)

| BTEX 8021B | mg/kg | | Analyzed By: MS | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1020 | 16.0 | 08/23/2019 | 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* | <50.0 | 50.0 | 08/22/2019 | ND | 197 | 98.3 | 200 | 4.83 | |
| DRO >C10-C28* | 935 | 50.0 | 08/22/2019 | ND | 194 | 96.8 | 200 | 5.00 | |
| EXT DRO >C28-C36 | 399 | 50.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.8 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 145 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

BTEX 8021B

GRO C6-C10*

DRO >C10-C28*

EXT DRO > C28 - C36

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A

Sampling Condition: Sample Received By:

Cool & Intact Jodi Henson

3.55

4.61

200

200

Project Number: Project Location:

NONE GIVEN

VANGUARD/ GRIZZLY

mg/kg

Sample ID: COMP 2 (H902886-20)

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 848 | 16.0 | 08/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |

ND

ND

ND

212

215

106

108

08/23/2019

08/23/2019

08/23/2019

Analyzed By: MS

Surrogate: 1-Chlorooctane 90.5 % 41-142 Surrogate: 1-Chlorooctadecane 161 % 37.6-147

<10.0

1460

869

10.0

10.0

10.0

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received: Reported: 08/22/2019

08/23/2019

Project Name: Project Number: STATE L'A NONE GIVEN

Project Location:

VANGUARD/ GRIZZLY

Sampling Date:

08/21/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Sample ID: CLOSURE 3 - SW 1 (H902886-21)

| BTEX 8021B | mg/kg | | Analyzed By: MS | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 08/23/2019 | 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* | <10.0 | 10.0 | 08/22/2019 | ND | 212 | 106 | 200 | 3.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2019 | ND | 215 | 108 | 200 | 4.61 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 100 | % 41-142 | • | | | | | | |
| Surrogate: 1-Chlorooctadecane | 110 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019 STATE L'A Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 3 - SW 2 (H902886-22)

| BTEX 8021B | mg/kg | | Analyzed By: MS | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 08/23/2019 | 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* | <10.0 | 10.0 | 08/22/2019 | ND | 212 | 106 | 200 | 3.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2019 | ND | 215 | 108 | 200 | 4.61 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 103 9 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 111 9 | % 37.6-14 | 7 | | | | | | |

Surrogate: 1-Chlorooctadecane

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 3 - SW 3 (H902886-23)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 % | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 08/23/2019 | 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* | <10.0 | 10.0 | 08/22/2019 | ND | 212 | 106 | 200 | 3.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2019 | ND | 215 | 108 | 200 | 4.61 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 103 % | 6 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 113 % | 6 37.6-14 | 7 | | | | | | |

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location: NONE GIVEN VANGUARD/ GRIZZLY

Sample ID: CLOSURE 3 - SW 4 (H902886-24)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 % | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 08/23/2019 | 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* | <10.0 | 10.0 | 08/22/2019 | ND | 212 | 106 | 200 | 3.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/22/2019 | ND | 215 | 108 | 200 | 4.61 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 99.1 9 | % 41-142 | | | | | | | |

Surrogate: 1-Chlorooctadecane

108 %

37.6-147

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019 STATE L'A Sampling Type:

Soil

Project Name:

NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 3 - SP 1 (H902886-25)

| BTEX 8021B | mg/kg | | Analyzed By: MS | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 768 | 16.0 | 08/23/2019 | ND | 416 | 104 | 400 | 3.77 | QM-07 |
| 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 | 08/22/2019 | ND | 212 | 106 | 200 | 3.55 | |
| DRO >C10-C28* | 241 | 10.0 | 08/22/2019 | ND | 215 | 108 | 200 | 4.61 | |
| EXT DRO >C28-C36 | 230 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 103 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 130 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 3 - SP 2 (H902886-26)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 108 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 848 | 16.0 | 08/23/2019 | 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 | 08/22/2019 | ND | 212 | 106 | 200 | 3.55 | |
| DRO >C10-C28* | 244 | 10.0 | 08/22/2019 | ND | 215 | 108 | 200 | 4.61 | |
| EXT DRO >C28-C36 | 230 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 99.9 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 130 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019 STATE L'A

Sampling Type:

Soil Cool & Intact

Project Name: Project Number:

NONE GIVEN

Sampling Condition: Sample Received By:

Jodi Henson

Project Location:

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 3 - SP 3 (H902886-27)

| BTEX 8021B | mg/kg | | Analyzed By: MS | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1040 | 16.0 | 08/23/2019 | 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 | 08/22/2019 | ND | 212 | 106 | 200 | 3.55 | |
| DRO >C10-C28* | 223 | 10.0 | 08/22/2019 | ND | 215 | 108 | 200 | 4.61 | |
| EXT DRO >C28-C36 | 229 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.6 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 122 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019 STATE L'A Sampling Type:

Soil

Project Number:

NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

BTEX 8021B

VANGUARD/ GRIZZLY

Sample ID: CLOSURE 3 - SP 4 (H902886-28)

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|------------|----------------------------|-----------------------------|--------------------------|-----------|------------|---------------|----------|------------------------|
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 73.3-12 | 9 | | | | | | |
| | | | | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Chloride, SM4500CI-B Analyte | Result | /kg Reporting Limit | Analyze Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| • | | | | - | BS 416 | % Recovery | True Value QC | RPD 3.77 | Qualifier |
| Analyte | Result | Reporting Limit | Analyzed 08/23/2019 | Method Blank | | , | · | | Qualifier |
| Analyte Chloride | Result | Reporting Limit | Analyzed 08/23/2019 | Method Blank | | , | · | | Qualifier Qualifier |
| Analyte Chloride TPH 8015M | Result 784 | Reporting Limit 16.0 | Analyzed 08/23/2019 Analyze | Method Blank ND d By: MS | 416 | 104 | 400 | 3.77 | |

ND

Analyzed By: MS

Surrogate: 1-Chlorooctane

EXT DRO >C28-C36

102 %

350

41-142

08/22/2019

10.0

Surrogate: 1-Chlorooctadecane

120 %

37.6-147

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received: Reported: 08/22/2019

08/23/2019

Project Name: Project Number: STATE L'A NONE GIVEN

Project Location:

VANGUARD/ GRIZZLY

Sampling Date:

08/21/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Sample ID: CLOSURE 3 - SP 5 (H902886-29)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 576 | 16.0 | 08/23/2019 | 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 | 08/22/2019 | ND | 212 | 106 | 200 | 3.55 | |
| DRO >C10-C28* | 394 | 10.0 | 08/22/2019 | ND | 215 | 108 | 200 | 4.61 | |
| EXT DRO >C28-C36 | 339 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.8 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 116 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

Hungry Horse Environmental NATALIE GLADDEN P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received:

08/22/2019

Sampling Date:

08/21/2019

Reported:

08/23/2019

Sampling Type:

Soil

Project Name:

STATE L'A

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

VANGUARD/ GRIZZLY

Sample ID: COMP 3 (H902886-30)

| BTEX 8021B | mg/kg | | Analyzed By: MS | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.71 | 85.5 | 2.00 | 4.72 | |
| Toluene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.88 | 94.0 | 2.00 | 4.28 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/22/2019 | ND | 1.93 | 96.3 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 08/22/2019 | ND | 5.86 | 97.7 | 6.00 | 5.87 | |
| Total BTEX | <0.300 | 0.300 | 08/22/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 912 | 16.0 | 08/23/2019 | ND | 416 | 104 | 400 | 3.77 | |
| 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 | 08/22/2019 | ND | 212 | 106 | 200 | 3.55 | |
| DRO >C10-C28* | 287 | 10.0 | 08/22/2019 | ND | 215 | 108 | 200 | 4.61 | |
| EXT DRO >C28-C36 | 302 | 10.0 | 08/22/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.9 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 141 | % 37.6-14 | 7 | | | | | | |

Surrogate: 1-Chlorooctadecane 141 % 37

Cardinal Laboratories *=Accredited Analyte

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S-06



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

Notes and Definitions

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

| 3-00 | matrix interference's. |
|-------|--|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |
| | Samples reported on an as received basis (wet) unless otherwise noted on report |

Cardinal Laboratories *=Accredited Analyte

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Kusn

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 893-2476

| Company Name: | 75) 393-2326 FAX (575) 893-2476 | 77 1 | BILL TO | ANALYSIS REQUEST |
|--|--|---|--|--|
| Project Manager: | varywire i chi | 00.9 | P.O. #: | |
| Address: | | | company: HUNGIU- HE | gvse. |
| City: | State: | Zip: | Attn: | 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1 |
| Phone #: | Fax #: | | Address: 4024 plains city: 100100 few | <u> </u> |
| Project #: | Project Owner | : | city: OUING YEM | |
| Project Name: | | | State: MZip: 88000 | <u> </u> |
| Project Location: | State L'A | | Phone #: | |
| Sampler Name: | | MATRIX | Fax #: PRESERV. SAMPLING | 49 |
| analysis All claims including t | Sample I.D. Superior | # CONTAINERS # | DATE TIME SOUTH BY S | tor the of the applicable |
| Relinquished By: Relinquished By: Delivered By: Sampler - UPS - | cut of or related to the performance of sorvices hereunder by the sorvices here and the sorvices here and the sorvices here are the sorvices here and the sorvices here are the sorvic | Received By: | Phone R Fax Rest REMARK Alition CHECKED BY: | Result: |





Company Name:



BILL TO

Rush

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

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

| Project Manager: | | P.O. #: | |
|--|---|--|---------|
| Address: | | Company: | |
| City: State: | Zip: | Attn: | |
| Phone #: Fax #: | | Address: | |
| Project #: Project Own | ner: | City: | _ |
| Project Name: | | State: Zip: | |
| Project Location: State L'A | | Phone #: | |
| Sampler Name: | | Fax #: | |
| FOR LAB USE ONLY | MATRIX | PRESERV. SAMPLING | 18 |
| H902886 II Closure a-Swa I3 Closure a-Swa I3 Closure a-Swa I3 Closure a-Swa I4 Closure a-Swa I5 Closure a-Spa I7 Closure a-Spa I7 Closure a-Spa I7 Closure a-Spa I7 Closure a-Spa | GROUNDWATER SXXXXXXXXXXSOIL OIL | SINDE SI | |
| an Charle a Sps | | X 9:27 | |
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3003

RUSH

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: | ard Ibriza | 44 | | | | | BII | LL TO | | | | | ANA | LYSI | SKE | QUES | 1 | | |
|---|---|-----------------|-----------------|------------------------|------------------|-----------|------------|------------------|------------------------------|------------------------|-------|---------------------------------------|-------|-----------------------|-----|------|-------|----|--|
| Project Manager: | | | | | P.0 | 0. #: | | | | | | | | | | | | | |
| Address: | | | | | Co | mpa | ny: | | | | | | | | | | | | |
| City: | State: 2 | Zip: | | | Att | tn: | | | | | | | | | | | 1 | | |
| Phone #: | Fax #: | | | | Ad | ldres | s: | | | | | | | | | | | | |
| Project #: | Project Owner: | | | | Cit | ty: | | | | | | | | | | 1 | | | |
| Project Name: | | | | | Sta | ate: | | Zip: | | | | | -1 | | | | | | |
| Project Location: SHOW | CH | | | | Ph | one | #: | | | | | | | | | | | | |
| Sampler Name: | | | | | Fa | x #: | | | | 8 | | | | | | | | | |
| Lab I.D. Samp 1-902886 21 Closure 3 24 Closure 3 25 Closure 3 27 Closure 3 28 Closure 3 29 Closure 3 20 Closure 3 20 Closure 3 20 Closure 3 20 Closure 3 21 Closure 3 22 Closure 3 23 Closure 3 24 Closure 3 25 Closure 3 26 Closure 3 27 Closure 3 28 Closure 3 29 Closure 3 | le I.D. 5- SW1 3- SW3 3- SW4 3- SP1 5- SP3 - SP4 - SP5 | | JNDWATER | ATRIX | SLUDGE OTHER: | | NOTHER: | | TIME | 3 | X BAX | A A A A A A A A A A A A A A A A A A A | | | | | | | |
| PLEASE NOTE: Liability and Damages, Cardinal's liability | y and client's exclusive remedy for an | ny claim arisir | ng whether ba | ased in con | tract or to | ort, shal | be limited | to the amoun | paid by the client | for the | | | | | | | | | |
| analyses. All claims including those for negligence and a service. In no event shall Cardinal be liable for incidental | or consequental damages, including | without limita | ation, business | s interruption | ons, toss | of use. | or loss of | profits incurred | by client, its subsit | idiaries. | DIE | | | | | | | | |
| Relinquished By: Relinquished By: Relinquished By: | Date: Time: | Receiv | ved By: | | 1 | | | LOW | Phone R Fax Res REMARI | Result: ult: KS: | Ye Ye | s 🗆 N | lo Ad | d'I Phon d'I Fax # | : | Hec | Se. C | cm | |
| Delivered By: (Circle One) | 1.82 | He- | | ple Con | | 1 | | KED BY: | -1100 | | WUY | ICH | ury | ry- | HU | se. | CO | n | |
| Sampler - UPS - Bus - Other: | Corrected | 20 | Cool | Intac Yes 📑 No 🗆 | Yes No | | # | itials) | | | | | | 0 | | | | | |



December 11, 2019

LANCE CRENSHAW

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: STATE LA TR 1.2

Enclosed are the results of analyses for samples received by the laboratory on 12/06/19 15:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition:

Cool & Intact

Project Number:

11510

Sample Received By:

Tamara Oldaker

Project Location:

GRIZZLY ENERGY - LEA CO NM

Sample ID: SP # 1 @ 2' (H904097-01)

| BTEX 8021B | mg/kg | | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.74 | 87.1 | 2.00 | 12.2 | |
| Toluene* | 0.203 | 0.050 | 12/10/2019 | ND | 1.69 | 84.7 | 2.00 | 12.9 | |
| Ethylbenzene* | 0.247 | 0.050 | 12/10/2019 | ND | 1.73 | 86.5 | 2.00 | 12.5 | |
| Total Xylenes* | 0.473 | 0.150 | 12/10/2019 | ND | 5.25 | 87.4 | 6.00 | 12.4 | |
| Total BTEX | 0.923 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1840 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2019 | ND | 225 | 113 | 200 | 1.94 | |
| DRO >C10-C28* | 227 | 10.0 | 12/10/2019 | ND | 228 | 114 | 200 | 3.10 | |
| EXT DRO >C28-C36 | 175 | 10.0 | 12/10/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.8 | % 41-142 | ı | | | | | | |
| Surrogate: 1-Chlorooctadecane | 113 9 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

11510

GRIZZLY ENERGY - LEA CO NM

Sample ID: SP # 2 @ 2' (H904097-02)

| BTEX 8021B | mg, | 'kg | Analyze | d By: MS | | | | | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 0.058 | 0.050 | 12/10/2019 | ND | 1.74 | 87.1 | 2.00 | 12.2 | |
| Toluene* | 1.22 | 0.050 | 12/10/2019 | ND | 1.69 | 84.7 | 2.00 | 12.9 | |
| Ethylbenzene* | 0.953 | 0.050 | 12/10/2019 | ND | 1.73 | 86.5 | 2.00 | 12.5 | |
| Total Xylenes* | 1.45 | 0.150 | 12/10/2019 | ND | 5.25 | 87.4 | 6.00 | 12.4 | |
| Total BTEX | 3.67 | 0.300 | 12/10/2019 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID

98.5 %

73.3-129

| mg | /kg | Analyze | d By: AC | | | | | |
|--------|-------------------------------------|--|--|---|---|---|---|--|
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| 272 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| mg/kg | | Analyzed By: MS | | | | | | S-04 |
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| 17.7 | 10.0 | 12/11/2019 | ND | 225 | 113 | 200 | 1.94 | |
| 831 | 10.0 | 12/11/2019 | ND | 228 | 114 | 200 | 3.10 | |
| 714 | 10.0 | 12/11/2019 | ND | | | | | |
| | Result 272 mg, Result 17.7 831 | 272 16.0 mg/kg Result Reporting Limit 17.7 10.0 831 10.0 | Result Reporting Limit Analyzed 272 16.0 12/10/2019 mg/kg Analyze Result Reporting Limit Analyzed 17.7 10.0 12/11/2019 831 10.0 12/11/2019 | Result Reporting Limit Analyzed Method Blank 272 16.0 12/10/2019 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank 17.7 10.0 12/11/2019 ND 831 10.0 12/11/2019 ND | Result Reporting Limit Analyzed Method Blank BS 272 16.0 12/10/2019 ND 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS 17.7 10.0 12/11/2019 ND 225 831 10.0 12/11/2019 ND 228 | Result Reporting Limit Analyzed Method Blank BS % Recovery 272 16.0 12/10/2019 ND 400 100 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery 17.7 10.0 12/11/2019 ND 225 113 831 10.0 12/11/2019 ND 228 114 | Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 272 16.0 12/10/2019 ND 400 100 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 17.7 10.0 12/11/2019 ND 225 113 200 831 10.0 12/11/2019 ND 228 114 200 | Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 272 16.0 12/10/2019 ND 400 100 400 7.69 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 17.7 10.0 12/11/2019 ND 225 113 200 1.94 831 10.0 12/11/2019 ND 228 114 200 3.10 |

Surrogate: 1-Chlorooctane

102 %

41-142

Surrogate: 1-Chlorooctadecane

169 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition:

Cool & Intact

Project Number:

11510

Sample Received By:

Tamara Oldaker

Project Location:

GRIZZLY ENERGY - LEA CO NM

Sample ID: SP # 3 @ 2' (H904097-03)

| BTEX 8021B | mg, | 'kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 17.2 | 1.00 | 12/10/2019 | ND | 1.74 | 87.1 | 2.00 | 12.2 | |
| Toluene* | 111 | 1.00 | 12/10/2019 | ND | 1.69 | 84.7 | 2.00 | 12.9 | |
| Ethylbenzene* | 86.9 | 1.00 | 12/10/2019 | ND | 1.73 | 86.5 | 2.00 | 12.5 | |
| Total Xylenes* | 134 | 3.00 | 12/10/2019 | ND | 5.25 | 87.4 | 6.00 | 12.4 | |
| Total BTEX | 350 | 6.00 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 126 | % 73.3-12 | 9 | | | | | | |
| hloride, SM4500Cl-B mg/kg | | | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 848 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 4810 | 50.0 | 12/10/2019 | ND | 225 | 113 | 200 | 1.94 | |
| DRO >C10-C28* | 27100 | 50.0 | 12/10/2019 | ND | 228 | 114 | 200 | 3.10 | |
| EXT DRO >C28-C36 | 5730 | 50.0 | 12/10/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 326 | % 41-142 | ı | | | | | | |
| Surrogate: 1-Chlorooctadecane | 767 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

11510

GRIZZLY ENERGY - LEA CO NM

Sample ID: SP # 4 @ 2' (H904097-04)

| BTEX 8021B | mg | /kg | Analyze | ed By: MS | | | | | S-04 |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 0.155 | 0.050 | 12/10/2019 | ND | 1.74 | 87.1 | 2.00 | 12.2 | |
| Toluene* | 3.70 | 0.050 | 12/10/2019 | ND | 1.69 | 84.7 | 2.00 | 12.9 | |
| Ethylbenzene* | 4.73 | 0.050 | 12/10/2019 | ND | 1.73 | 86.5 | 2.00 | 12.5 | |
| Total Xylenes* | 9.99 | 0.150 | 12/10/2019 | ND | 5.25 | 87.4 | 6.00 | 12.4 | |
| Total BTEX | 18.6 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 208 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| 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* | 190 | 10.0 | 12/10/2019 | ND | 225 | 113 | 200 | 1.94 | |
| DRO >C10-C28* | 1190 | 10.0 | 12/10/2019 | ND | 228 | 114 | 200 | 3.10 | |
| EXT DRO >C28-C36 | 192 | 10.0 | 12/10/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 133 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 141 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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*=Accredited Analyte

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition: Sample Received By: Cool & Intact

Project Number:

11510

Project Location: GRIZZLY ENERGY - LEA CO NM

Tamara Oldaker

Sample ID: SP # 5 @ 2' (H904097-05)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.74 | 87.1 | 2.00 | 12.2 | |
| Toluene* | 0.277 | 0.050 | 12/10/2019 | ND | 1.69 | 84.7 | 2.00 | 12.9 | |
| Ethylbenzene* | 0.210 | 0.050 | 12/10/2019 | ND | 1.73 | 86.5 | 2.00 | 12.5 | |
| Total Xylenes* | 0.360 | 0.150 | 12/10/2019 | ND | 5.25 | 87.4 | 6.00 | 12.4 | |
| Total BTEX | 0.846 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B mg/kg | | kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| 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 | 12/10/2019 | ND | 225 | 113 | 200 | 1.94 | |
| DRO >C10-C28* | 65.6 | 10.0 | 12/10/2019 | ND | 228 | 114 | 200 | 3.10 | |
| EXT DRO >C28-C36 | 29.4 | 10.0 | 12/10/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 101 9 | % 41-142 | ı | | | | | | |
| Surrogate: 1-Chlorooctadecane | 112 9 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260

Applyzod By: MC

Fax To: (575) 396-1429

Received:

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

RTFY 8021R

STATE LA TR 1.2

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

11510

GRIZZLY ENERGY - LEA CO NM

Sample ID: NH - 1 @ SURFACE (H904097-06)

| BIEX 8021B | тд/кд | | Anaiyze | Analyzed By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.74 | 87.1 | 2.00 | 12.2 | |
| Toluene* | 0.494 | 0.050 | 12/10/2019 | ND | 1.69 | 84.7 | 2.00 | 12.9 | |
| Ethylbenzene* | 0.438 | 0.050 | 12/10/2019 | ND | 1.73 | 86.5 | 2.00 | 12.5 | |
| Total Xylenes* | 0.634 | 0.150 | 12/10/2019 | ND | 5.25 | 87.4 | 6.00 | 12.4 | |
| Total BTEX | 1.57 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.4 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2019 | ND | 225 | 113 | 200 | 1.94 | |
| DRO >C10-C28* | 12.8 | 10.0 | 12/10/2019 | ND | 228 | 114 | 200 | 3.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 107 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 114 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

BTEX 8021B

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

mg/kg

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

11510

GRIZZLY ENERGY - LEA CO NM

Sample ID: NH - 1 @ 2' (H904097-07)

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.74 | 87.1 | 2.00 | 12.2 | |
| Toluene* | 0.741 | 0.050 | 12/10/2019 | ND | 1.69 | 84.7 | 2.00 | 12.9 | |
| Ethylbenzene* | 1.04 | 0.050 | 12/10/2019 | ND | 1.73 | 86.5 | 2.00 | 12.5 | |
| Total Xylenes* | 1.86 | 0.150 | 12/10/2019 | ND | 5.25 | 87.4 | 6.00 | 12.4 | |
| Total BTEX | 3.64 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 % | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| 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* | 22.0 | 10.0 | 12/10/2019 | ND | 225 | 113 | 200 | 1.94 | |
| DRO >C10-C28* | 22.0 | 10.0 | 12/10/2019 | ND | 228 | 114 | 200 | 3.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2019 | ND | | | | | |
| | | | | | | | | | |

Analyzed By: MS

Surrogate: 1-Chlorooctane

103 %

41-142

Surrogate: 1-Chlorooctadecane

109 %

37.6-147

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Applyzod By: MC

Received:

RTFY 8021R

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Project Number:

11510

Project Location:

GRIZZLY ENERGY - LEA CO NM

Sample ID: EH - 1 @ SURFACE (H904097-08)

| BIEX 8021B | mg/l | kg | Anaiyze | а ву: мѕ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.74 | 87.1 | 2.00 | 12.2 | |
| Toluene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.69 | 84.7 | 2.00 | 12.9 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.73 | 86.5 | 2.00 | 12.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2019 | ND | 5.25 | 87.4 | 6.00 | 12.4 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.4 % | 6 73.3-129 |) | | | | | | |
| 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 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| 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 | 12/10/2019 | ND | 225 | 113 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2019 | ND | 228 | 114 | 200 | 3.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 101 % | 6 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 109 % | 37.6-147 | 7 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:

BTEX 8021B

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

11510

Project Location: GRIZZLY ENERGY - LEA CO NM

mg/kg

109 %

37.6-147

Sample ID: EH - 1 @ 2' (H904097-09)

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.74 | 87.1 | 2.00 | 12.2 | |
| Toluene* | < 0.050 | 0.050 | 12/10/2019 | ND | 1.69 | 84.7 | 2.00 | 12.9 | |
| Ethylbenzene* | < 0.050 | 0.050 | 12/10/2019 | ND | 1.73 | 86.5 | 2.00 | 12.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2019 | ND | 5.25 | 87.4 | 6.00 | 12.4 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.2 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| 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 | 12/10/2019 | ND | 225 | 113 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2019 | ND | 228 | 114 | 200 | 3.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 102 % | 6 41-142 | | | | | | | |

Analyzed By: MS

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

11510

Project Location: GRIZZLY ENERGY - LEA CO NM

Sample ID: EH - 2 B @ SURFACE (H904097-10)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.74 | 87.1 | 2.00 | 12.2 | |
| Toluene* | 0.152 | 0.050 | 12/10/2019 | ND | 1.69 | 84.7 | 2.00 | 12.9 | |
| Ethylbenzene* | 0.052 | 0.050 | 12/10/2019 | ND | 1.73 | 86.5 | 2.00 | 12.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2019 | ND | 5.25 | 87.4 | 6.00 | 12.4 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.1 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | ma/ | ka | Analyze | d Bv: AC | | | | | |

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| 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 | 12/10/2019 | ND | 225 | 113 | 200 | 1.94 | |
| DRO >C10-C28* | 183 | 10.0 | 12/10/2019 | ND | 228 | 114 | 200 | 3.10 | |
| EXT DRO >C28-C36 | 110 | 10.0 | 12/10/2019 | ND | | | | | |
| | | | | | | | | | |

Surrogate: 1-Chlorooctane

103 %

41-142

Surrogate: 1-Chlorooctadecane

123 %

37.6-147

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition:

Cool & Intact

Project Number:

11510

Project Location: GRIZZLY ENERGY - LEA CO NM Sample Received By:

Tamara Oldaker

Sample ID: EH - 2 B @ 2' (H904097-11)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.74 | 87.1 | 2.00 | 12.2 | |
| Toluene* | < 0.050 | 0.050 | 12/10/2019 | ND | 1.69 | 84.7 | 2.00 | 12.9 | |
| Ethylbenzene* | < 0.050 | 0.050 | 12/10/2019 | ND | 1.73 | 86.5 | 2.00 | 12.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2019 | ND | 5.25 | 87.4 | 6.00 | 12.4 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.7 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| 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 | 12/10/2019 | ND | 225 | 113 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2019 | ND | 228 | 114 | 200 | 3.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 102 % | 6 41-142 | ı | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 % | 6 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Applyzod By: MC

Received:

RTFY 8021R

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

11510

Project Location: GRIZZLY ENERGY - LEA CO NM

Sample ID: SH - 1 B @ SURFACE (H904097-12)

| B1EX 8021B | mg, | кg | Anaiyze | а ву: мѕ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.74 | 87.1 | 2.00 | 12.2 | |
| Toluene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.69 | 84.7 | 2.00 | 12.9 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.73 | 86.5 | 2.00 | 12.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2019 | ND | 5.25 | 87.4 | 6.00 | 12.4 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| 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 | 12/10/2019 | ND | 225 | 113 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2019 | ND | 228 | 114 | 200 | 3.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.0 | % 41-142 | ı | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.6 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

103 %

37.6-147

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

11510

GRIZZLY ENERGY - LEA CO NM

Sample ID: SH - 1 B @ 2' (H904097-13)

| BTEX 8021B | mg/kg Ana | | Analyze | nalyzed By: MS | | | | | |
|--------------------------------------|-----------|-----------------|------------|----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.74 | 87.1 | 2.00 | 12.2 | |
| Toluene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.69 | 84.7 | 2.00 | 12.9 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.73 | 86.5 | 2.00 | 12.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2019 | ND | 5.25 | 87.4 | 6.00 | 12.4 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| 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 | 12/10/2019 | ND | 225 | 113 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2019 | ND | 228 | 114 | 200 | 3.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 98.2 | % 41-142 | | | | | | | |

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Surrogate: 1-Chlorooctadecane

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

11510

GRIZZLY ENERGY - LEA CO NM

Sample ID: WH - 1 B @ SURFACE (H904097-14)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.74 | 87.1 | 2.00 | 12.2 | |
| Toluene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.69 | 84.7 | 2.00 | 12.9 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.73 | 86.5 | 2.00 | 12.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2019 | ND | 5.25 | 87.4 | 6.00 | 12.4 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |

| Chloride, SM4500CI-B mg/kg | | /kg | Analyze | d By: AC | | | | | |
|----------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| 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 | 12/10/2019 | ND | 164 | 81.9 | 200 | 13.1 | |
| DRO >C10-C28* | 281 | 10.0 | 12/10/2019 | ND | 182 | 91.0 | 200 | 13.3 | QM-07 |
| EXT DRO >C28-C36 | 118 | 10.0 | 12/10/2019 | ND | | | | | |
| | | | | | | | | | |

Surrogate: 1-Chlorooctane

84.8 %

41-142

Surrogate: 1-Chlorooctadecane

97.3 %

37.6-147

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Project Name:

STATE LA TR 1.2

Soil Sampling Condition:

Project Number:

11510

Sample Received By:

Cool & Intact Tamara Oldaker

Project Location:

GRIZZLY ENERGY - LEA CO NM

Sample ID: WH - 1 B @ 2' (H904097-15)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 2.03 | 102 | 2.00 | 6.59 | |
| Toluene* | <0.050 | 0.050 | 12/10/2019 | ND | 2.04 | 102 | 2.00 | 7.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.99 | 99.6 | 2.00 | 7.49 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2019 | ND | 5.81 | 96.8 | 6.00 | 7.01 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| 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 | 12/10/2019 | ND | 164 | 81.9 | 200 | 13.1 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2019 | ND | 182 | 91.0 | 200 | 13.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.8 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 79.7 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

11510

Project Location:

GRIZZLY ENERGY - LEA CO NM

Sample ID: SH - 2 B @ SURFACE (H904097-16)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 2.03 | 102 | 2.00 | 6.59 | |
| Toluene* | <0.050 | 0.050 | 12/10/2019 | ND | 2.04 | 102 | 2.00 | 7.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.99 | 99.6 | 2.00 | 7.49 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2019 | ND | 5.81 | 96.8 | 6.00 | 7.01 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| 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 | 12/10/2019 | ND | 164 | 81.9 | 200 | 13.1 | |
| DRO >C10-C28* | 315 | 10.0 | 12/10/2019 | ND | 182 | 91.0 | 200 | 13.3 | |
| EXT DRO >C28-C36 | 198 | 10.0 | 12/10/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 73.7 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 83.6 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition:

Cool & Intact

Project Number:

11510

Sample Received By:

Tamara Oldaker

Project Location:

GRIZZLY ENERGY - LEA CO NM

Sample ID: SH - 2 B @ 2' (H904097-17)

| BTEX 8021B | mg | /kg | Analyze | Analyzed By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 2.03 | 102 | 2.00 | 6.59 | |
| Toluene* | <0.050 | 0.050 | 12/10/2019 | ND | 2.04 | 102 | 2.00 | 7.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.99 | 99.6 | 2.00 | 7.49 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2019 | ND | 5.81 | 96.8 | 6.00 | 7.01 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 12/10/2019 | ND | 400 | 100 | 400 | 7.69 | |
| 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 | 12/10/2019 | ND | 164 | 81.9 | 200 | 13.1 | |
| DRO >C10-C28* | 1040 | 10.0 | 12/10/2019 | ND | 182 | 91.0 | 200 | 13.3 | |
| EXT DRO >C28-C36 | 625 | 10.0 | 12/10/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.8 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 | % 37.6-14 | 7 | | | | | | |

narrogate. I emorocetatectate 100 / 0 3/

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

11510

GRIZZLY ENERGY - LEA CO NM

Project Location:

Sample ID: WH - 2 B @ SURFACE (H904097-18)

| BTEX 8021B | mg/kg | | Analyzed By: MS | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 2.03 | 102 | 2.00 | 6.59 | |
| Toluene* | <0.050 | 0.050 | 12/10/2019 | ND | 2.04 | 102 | 2.00 | 7.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.99 | 99.6 | 2.00 | 7.49 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2019 | ND | 5.81 | 96.8 | 6.00 | 7.01 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 12/10/2019 | 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 | 12/10/2019 | ND | 164 | 81.9 | 200 | 13.1 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2019 | ND | 182 | 91.0 | 200 | 13.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.0 | % 41-142 | ı | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.0 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:

12/06/2019

Sampling Date:

12/05/2019

Reported:

12/11/2019

Sampling Type:

Soil

Project Name:

STATE LA TR 1.2

Sampling Condition:

Cool & Intact

Project Number:

11510

Sample Received By:

Tamara Oldaker

Project Location:

GRIZZLY ENERGY - LEA CO NM

Sample ID: WH - 2 B @ 2' (H904097-19)

| BTEX 8021B | mg/kg | | Analyzed By: MS | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2019 | ND | 2.03 | 102 | 2.00 | 6.59 | |
| Toluene* | <0.050 | 0.050 | 12/10/2019 | ND | 2.04 | 102 | 2.00 | 7.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2019 | ND | 1.99 | 99.6 | 2.00 | 7.49 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2019 | ND | 5.81 | 96.8 | 6.00 | 7.01 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 % | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 12/10/2019 | 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 | 12/10/2019 | ND | 164 | 81.9 | 200 | 13.1 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2019 | ND | 182 | 91.0 | 200 | 13.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.0 9 | % 41-142 | ı | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.69 | % 37.6-14 | 7 | | | | | | |

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S-06



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

Notes and Definitions

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

| 3-00 | matrix interference's. |
|-------|--|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| 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

Relinquished By:



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

| Company Name: Grizzly Energy, LLC | gy, LLC | | BILL TO | | ANALYSIS REQUEST |
|---|--|---|--|------------------|-------------------|
| Project Manager: Lance Crenshaw | haw | | P.O. #: | | |
| Address: 3100 Plains Hwy | | | Company: Grizzley Operatring | | |
| City: Lovington | State: NM | Zip: 88260 | Je l | | |
| Phone #: 575-396-2378 | Fax #: 575-396-1429 | 1429 | Address: | | |
| Project #: 11510 | Project Owner: | Grizzly Energy, LLC | City: | | |
| Project Name: State LA TR 1.2 | | | State: Zip: | | |
| Project Location: Rural Lea Co, NM | , NM | | Phone #: | | |
| Sampler Name: | | | Fax #: | | |
| FOR LAB USE ONLY | | MATRIX | PRESERV. SAMPLING | | |
| Lab I.D. Samı | Sample I.D. | G)RAB OR (C)OMF CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE | OTHER: ACID/BASE: CE / COOL OTHER: | Chloride | BTEX 8021 |
| 1 40年1 の2 | • | × | 12/c/K /s | X | |
| 2 50 42 07 | • | 1 | 31:01 51/2/21 | \ \ \ \ | X |
| 3 SP#307 | • | 6 1 8 | 12/5/15/10:20 | メイト | |
| | • | ے | 22:01:31/5/101 | X X | |
| S 364505 | • | ^ | 94:01.5/2/23 | メメ | |
| MS O VAN 3 | | | 12/5/19 11:00 | XXV | * |
| 7 104-1021 | • | X | 01:11:81(5/21) | メイン | X |
| 120 FHJ 8 | · /- | × ~ | 12/5/11:15 | ベメン | |
| 5 EH-1021 | • | 6 / × | 11/5/15 11:25 | シメン | |
| 10 EH-260 54 | surt. | G 1 Y | 12/6/19 11:45 | X X | |
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| affiliates or successors arisingroul of or related to the performance of services hereunder by Cardinal regardless of whether such claim is based upon any of Relin or nished Ry. | nformance of services hereunder b | Cardinal regardless of whether such clair | m is based upon any of the above stated reasons or otherwise. | - | Addi Dana t |
| 2 = 2 | 12/1/19 | | Fax Result: | t: ☐ Yes | □ No Add'l Fax #: |

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

3.10

Sample Condition Cool Intact

SC Tes Tes

No D No

4

CHECKED BY: (Initials)

Time:

Received By:

REMARKS: Email results to lance@etechenv.com

FORM-006 R 2.0

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By:



aboratories 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: Grizzly Energy, LLC | | 01 77/8 | ANALYSIS REQUEST |
|--|---|--|--|
| Project Manager: Lance Crenshaw | | P.O. #: | - 1 |
| Address: 3100 Plains Hwy | | Company: Grizzley Operatring | |
| City: Lovington State: NM | Zip: 88260 | ien | |
| Phone #: 575-396-2378 Fax #: 575-396-1429 | 6-1429 | Address: | |
| Project #: 11510 Project Owner: | Grizzly Energy, LLC | City: | |
| Project Name: State LA TR 1.2 | | State: Zip: | |
| Project Location: Rural Lea Co, NM | | Phone #: | |
| Sampler Name: | | Fax #: | |
| FOR LAB USE ONLY | MATRIX | PRESERV. SAMPLING | |
| Lab I.D. Sample I.D. | (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE | OTHER: ACID/BASE: ICE / COOL OTHER: DATE | Chloride TPH BTEX 8021 |
| 11 6426021 | × | 12/5/1 | X |
| 12 541 3,054,6 | \ - - | 27:1(3//5/21 | X X |
| 13 54-18021 | 5 1 5 | 12/5/19/3:35 | A C C C |
| 14 WH-1805W+ | 6 1 V | 24:21 M3R1 X | |
| 15 WH-1BP2 | ر ا | X (7/5)/4 (.00 | |
| 16 5H-ZBOSWA. | V - | x (25/2):15 | |
| 17 51-28621 | 6 | 05. 1 a (322) \$ | |
| 18 WH-2B@Surt. | +y | Jh: 1 5/2/21 7 | |
| 19 WH-2BOZ' | - G 1 - X | X (25/19 Zion) | ************************************** |
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| Relinquished By Date; // Received By: Property State Control of the above stated cessors or otherwise. Property Control of the above stated cessors or otherwise. Property Control of the above stated cessors or otherwise. Property Control of the above stated cessors or otherwise. | Received By: | Phone Result: | ilt: Yes No |
| Time: | 1 | Fax Result | □ Yes |

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Sampler - UPS - Bus - Other:

Sample Condition
Cool Intact
Yes Yes
No No

CHECKED BY: (Initials)

Delivered By: (Circle One)

Time:

Received By:

REMARKS: Email results to

lance@etechenv.com

FORM-006 R 2.0



Analytical Report

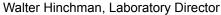
Report Summary

Client: Grizzly Energy

Samples Received: 1/9/2020 Job Number: 19054-0003 Work Order: P001026

Project Name/Location: State LA

| Report Reviewed By: | Walter Hankson | Date: | 1/10/20 | |
|---------------------|----------------|-------|---------|--|
| | | | | |





Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.

Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.

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Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Grizzly Energy Project Name:
4001 Penbrook Suite 201 Project Number:
Odessa TX, 79762 Project Manager:

State LA 19054-0003 Lindsey Salgado

Reported: 01/10/20 12:04

Analytical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| SP1-2' | P001026-01A | Soil | 01/06/20 | 01/09/20 | Glass Jar, 4 oz. |
| SP2-2' | P001026-02A | Soil | 01/06/20 | 01/09/20 | Glass Jar, 4 oz. |
| SP3-2' | P001026-03A | Soil | 01/06/20 | 01/09/20 | Glass Jar, 4 oz. |
| SP4-2' | P001026-04A | Soil | 01/06/20 | 01/09/20 | Glass Jar, 4 oz. |
| SP5-2' | P001026-05A | Soil | 01/06/20 | 01/09/20 | Glass Jar, 4 oz. |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Lindsey Salgado **Reported:** 01/10/20 12:04

SP1-2' P001026-01 (Solid)

| | | | 20-01 (3011 | iu) | | | | | |
|---------------------------------------|--------|-----------|-------------|----------|---------|----------|----------|--------------------|-------|
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | 0.0890 | 0.0250 | mg/kg | 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Toluene | 1.03 | 0.0250 | mg/kg | 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Ethylbenzene | 1.34 | 0.0250 | mg/kg | 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| p,m-Xylene | 1.38 | 0.0500 | mg/kg | 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| o-Xylene | 0.649 | 0.0250 | mg/kg | 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Total Xylenes | 2.03 | 0.0250 | mg/kg | 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 99.3 % | 70-1 | 30 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 106 % | 70-1 | 30 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 103 % | 70-1 | 30 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO | O/ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | 1300 | 50.0 | mg/kg | 2 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 495 | 100 | mg/kg | 2 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 140 % | 50-2 | 200 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO |) | | | | | | | | |
| Gasoline Range Organics (C6-C10) | 57.1 | 20.0 | mg/kg | 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 99.3 % | 70-1 | 30 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 106 % | 70-1 | 30 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 103 % | 70-1 | 30 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 1110 | 20.0 | mg/kg | 1 | 2002034 | 01/09/20 | 01/09/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

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Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Lindsey Salgado **Reported:** 01/10/20 12:04

SP2-2' P001026-02 (Solid)

| | | | 26-02 (Solid) | | | | | |
|---|--------|-----------|---------------|-------------|----------|----------|--------------------|-------|
| | | Reporting | | | | | | |
| Analyte | Result | Limit | Units Dil | ution Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | |
| Benzene | 2.93 | 0.250 | mg/kg 10 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Toluene | 25.3 | 0.250 | mg/kg 10 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Ethylbenzene | 17.9 | 0.250 | mg/kg 10 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| p,m-Xylene | 17.1 | 0.500 | mg/kg 10 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| o-Xylene | 9.21 | 0.250 | mg/kg 10 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Total Xylenes | 26.4 | 0.250 | mg/kg 10 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 96.3 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 103 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 99.9 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/0 | ORO | | | | | | | |
| Diesel Range Organics (C10-C28) | 9030 | 250 | mg/kg 10 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 3440 | 500 | mg/kg 10 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 282 % | 50-200 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | S3 |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | |
| Gasoline Range Organics (C6-C10) | 351 | 200 | mg/kg 10 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 96.3 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 103 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 99.9 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | |
| Chloride | 195 | 20.0 | mg/kg 1 | 2002034 | 01/09/20 | 01/09/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Lindsey Salgado **Reported:** 01/10/20 12:04

SP3-2' P001026-03 (Solid)

| | | | 26-03 (Solid) | | | | | |
|--|--------|-----------|---------------|---------------|----------|----------|--------------------|-------|
| | | Reporting | | | | | | |
| Analyte | Result | Limit | Units D | ilution Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | |
| Benzene | 64.3 | 2.50 | mg/kg 100 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Toluene | 262 | 2.50 | mg/kg 100 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Ethylbenzene | 121 | 2.50 | mg/kg 100 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| p,m-Xylene | 105 | 5.00 | mg/kg 100 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| o-Xylene | 49.2 | 2.50 | mg/kg 100 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Total Xylenes | 154 | 2.50 | mg/kg 100 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 100 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 97.8 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/ | ORO | | | | | | | |
| Diesel Range Organics (C10-C28) | 45500 | 1250 | mg/kg 50 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 6490 | 2500 | mg/kg 50 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 339 % | 50-200 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | S3 |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | |
| Gasoline Range Organics (C6-C10) | 2140 | 2000 | mg/kg 100 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 100 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 101 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 97.8 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | |
| Chloride | 559 | 40.0 | mg/kg 2 | 2002034 | 01/09/20 | 01/09/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Lindsey Salgado **Reported:** 01/10/20 12:04

SP4-2' P001026-04 (Solid)

| | | | 26-04 (Solid) | | | | | |
|---------------------------------------|--------|-----------|---------------|-------------|----------|----------|--------------------|-------|
| | | Reporting | | | | | | |
| Analyte | Result | Limit | Units Dil | ution Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | |
| Benzene | 0.0985 | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Toluene | 0.973 | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Ethylbenzene | 0.771 | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| p,m-Xylene | 0.868 | 0.0500 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| o-Xylene | 0.666 | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Total Xylenes | 1.53 | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 104 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 98.4 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO | O/ORO | | | | | | | |
| Diesel Range Organics (C10-C28) | 2070 | 250 | mg/kg 10 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 646 | 500 | mg/kg 10 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 135 % | 50-200 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GR | 0 | | | | | | | |
| Gasoline Range Organics (C6-C10) | 49.3 | 20.0 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 104 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 98.4 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | |
| Chloride | 751 | 20.0 | mg/kg 1 | 2002034 | 01/09/20 | 01/09/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Lindsey Salgado **Reported:** 01/10/20 12:04

SP5-2' P001026-05 (Solid)

| | | P0010 | 26-05 (Solid) | | | | | |
|---------------------------------------|--------|-----------|----------------|---------|----------|----------|--------------------|-------|
| | | Reporting | | • | • | • | | • |
| Analyte | Result | Limit | Units Dilution | n Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | |
| Benzene | 0.0695 | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Toluene | 0.160 | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Ethylbenzene | 0.0365 | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 96.4 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 100 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 95.3 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO | D/ORO | | | | | | | |
| Diesel Range Organics (C10-C28) | 960 | 50.0 | mg/kg 2 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 1260 | 100 | mg/kg 2 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 111 % | 50-200 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO |) | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 96.4 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 100 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 95.3 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | |
| Chloride | ND | 20.0 | mg/kg 1 | 2002034 | 01/09/20 | 01/09/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Project Name:

Reporting

State LA

4001 Penbrook Suite 201 Project Number:
Odessa TX, 79762 Project Manager:

19054-0003 Lindsey Salgado

Spike

Source

%REC

43-135

70-130

70-130

70-130

103

101

98.1

1.71

Reported: 01/10/20 12:04

RPD

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|---------------------------------------|--------|--------------|-------|-------------|--------------|-------------|-----------|-------|-------|-------|
| Batch 2002030 - Purge and Trap EPA 50 | 30A | | | | | | | | | |
| Blank (2002030-BLK1) | | | | Prepared: (| 01/08/20 1 A | Analyzed: 0 | 1/09/20 2 | | | |
| Benzene | ND | 0.0250 | mg/kg | | | | | | | |
| Toluene | ND | 0.0250 | " | | | | | | | |
| Ethylbenzene | ND | 0.0250 | " | | | | | | | |
| p,m-Xylene | ND | 0.0500 | " | | | | | | | |
| o-Xylene | ND | 0.0250 | " | | | | | | | |
| Total Xylenes | ND | 0.0250 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.479 | | " | 0.500 | | 95.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.498 | | " | 0.500 | | 99.6 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.476 | | " | 0.500 | | 95.1 | 70-130 | | | |
| LCS (2002030-BS1) | | | | Prepared: (| 01/08/20 1 A | Analyzed: 0 | 1/10/20 0 | | | |
| Benzene | 2.41 | 0.0250 | mg/kg | 2.50 | | 96.5 | 70-130 | | | |
| Toluene | 2.45 | 0.0250 | " | 2.50 | | 97.8 | 70-130 | | | |
| Ethylbenzene | 2.54 | 0.0250 | " | 2.50 | | 101 | 70-130 | | | |
| p,m-Xylene | 4.94 | 0.0500 | " | 5.00 | | 98.7 | 70-130 | | | |
| o-Xylene | 2.44 | 0.0250 | " | 2.50 | | 97.7 | 70-130 | | | |
| Total Xylenes | 7.38 | 0.0250 | " | 7.50 | | 98.4 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.508 | | " | 0.500 | | 102 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.506 | | " | 0.500 | | 101 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.492 | | " | 0.500 | | 98.4 | 70-130 | | | |
| Matrix Spike (2002030-MS1) | Sour | ce: P001027- | 01 | Prepared: (| 01/08/20 1 A | | | | | |
| Benzene | 2.48 | 0.0250 | mg/kg | 2.50 | ND | 99.4 | 48-131 | | | |
| Toluene | 2.46 | 0.0250 | " | 2.50 | ND | 98.4 | 48-130 | | | |
| Ethylbenzene | 2.54 | 0.0250 | " | 2.50 | ND | 102 | 45-135 | | | |
| p,m-Xylene | 4.98 | 0.0500 | " | 5.00 | ND | 99.6 | 43-135 | | | |
| o-Xylene | 2.47 | 0.0250 | " | 2.50 | ND | 98.8 | 43-135 | | | |
| Total Xylenes | 7.45 | 0.0250 | " | 7.50 | ND | 99.4 | 43-135 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.486 | | " | 0.500 | | 97.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.502 | | " | 0.500 | | 100 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.492 | | " | 0.500 | | 98.3 | 70-130 | | | |
| Matrix Spike Dup (2002030-MSD1) | Sour | ce: P001027- | 01 | Prepared: (| 01/08/20 1 A | Analyzed: 0 | 1/10/20 0 | | | |
| Benzene | 2.50 | 0.0250 | mg/kg | 2.50 | ND | 99.8 | 48-131 | 0.442 | 23 | |
| Toluene | 2.49 | 0.0250 | " | 2.50 | ND | 99.4 | 48-130 | 0.991 | 24 | |
| Ethylbenzene | 2.60 | 0.0250 | " | 2.50 | ND | 104 | 45-135 | 2.20 | 27 | |
| p,m-Xylene | 5.07 | 0.0500 | " | 5.00 | ND | 101 | 43-135 | 1.76 | 27 | |
| o-Xylene | 2.51 | 0.0250 | " | 2.50 | ND | 100 | 43-135 | 1.61 | 27 | |

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7.50

0.500

0.500

0.500

7.58

0.516

0.506

0.491

5796 Highway 64, Farmington, NM 87401

Total Xylenes

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Bromofluorobenzene

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Lindsey Salgado **Reported:** 01/10/20 12:04

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---|--------|---------------|-------|-------------|--------------|-------------|-----------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 2002032 - DRO Extraction EPA 3570 | | | | | | | | | | |
| Blank (2002032-BLK1) | | | | Prepared: (| 01/09/20 0 A | Analyzed: 0 | 1/09/20 2 | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | | | | | | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | " | | | | | | | |
| Surrogate: n-Nonane | 46.4 | | " | 50.0 | | 92.8 | 50-200 | | | |
| LCS (2002032-BS1) | | | | Prepared: (| 01/09/20 0 A | Analyzed: 0 | 1/09/20 2 | | | |
| Diesel Range Organics (C10-C28) | 511 | 25.0 | mg/kg | 500 | | 102 | 38-132 | | | |
| Surrogate: n-Nonane | 54.3 | | " | 50.0 | | 109 | 50-200 | | | |
| Matrix Spike (2002032-MS1) | Sour | rce: P001027- | 01 | Prepared: (| 01/09/20 0 A | 1/09/20 2 | | | | |
| Diesel Range Organics (C10-C28) | 612 | 25.0 | mg/kg | 500 | 52.8 | 112 | 38-132 | | | |
| Surrogate: n-Nonane | 60.1 | | " | 50.0 | | 120 | 50-200 | | | |
| Matrix Spike Dup (2002032-MSD1) | Sour | rce: P001027- | 01 | Prepared: (| 01/09/20 0 A | Analyzed: 0 | 1/09/20 2 | | | |
| Diesel Range Organics (C10-C28) | 631 | 25.0 | mg/kg | 500 | 52.8 | 116 | 38-132 | 3.10 | 20 | |
| Surrogate: n-Nonane | 60.5 | | " | 50.0 | | 121 | 50-200 | | | |
| | | | | | | | | | | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Project Name:

Reporting

State LA

Spike

Source

4001 Penbrook Suite 201 Odessa TX, 79762

Project Number: 19054-0003 Project Manager: Lindsey Salgado

Reported: 01/10/20 12:04

RPD

%REC

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|--|--------|-------------|-------|-------------|--------------|-------------|-----------|-------|-------|-------|
| Batch 2002030 - Purge and Trap EPA 5030A | | | | | | | | | | |
| Blank (2002030-BLK1) | | | | Prepared: (| 01/08/20 1 A | Analyzed: 0 | 1/09/20 2 | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.479 | | " | 0.500 | | 95.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.498 | | " | 0.500 | | 99.6 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.476 | | " | 0.500 | | 95.1 | 70-130 | | | |
| LCS (2002030-BS2) | | | | Prepared: (| 01/08/20 1 A | Analyzed: 0 | 1/10/20 0 | | | |
| Gasoline Range Organics (C6-C10) | 49.7 | 20.0 | mg/kg | 50.0 | | 99.4 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.496 | | " | 0.500 | | 99.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.503 | | " | 0.500 | | 101 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.485 | | " | 0.500 | | 97.0 | 70-130 | | | |
| Matrix Spike (2002030-MS2) | Sour | e: P001027- | 01 | Prepared: (| 01/08/20 1 A | Analyzed: 0 | | | | |
| Gasoline Range Organics (C6-C10) | 55.8 | 20.0 | mg/kg | 50.0 | ND | 112 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.495 | | " | 0.500 | | 98.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.512 | | " | 0.500 | | 102 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.499 | | " | 0.500 | | 99.8 | 70-130 | | | |
| Matrix Spike Dup (2002030-MSD2) | Sour | e: P001027- | 01 | Prepared: (| 01/08/20 1 A | Analyzed: 0 | 1/10/20 0 | | | |
| Gasoline Range Organics (C6-C10) | 56.1 | 20.0 | mg/kg | 50.0 | ND | 112 | 70-130 | 0.466 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.480 | | " | 0.500 | | 95.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.503 | | " | 0.500 | | 101 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.472 | | " | 0.500 | | 94.4 | 70-130 | | | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

Reporting

Limit

Pocult

State LA

Spike

Laval

Source

Pacult

%PEC

%REC

Limite

DDD

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Lindsey Salgado **Reported:** 01/10/20 12:04

RPD

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Unite

| Analyte | Resuit | LIIIII | Units | Level | Result | 70KEC | Lillits | KrD | LIIIII | Notes |
|--|------------|-------------|-------|-------------|-------------|--------------|------------|------|--------|-------|
| Batch 2002034 - Anion Extraction EPA 3 | 00.0/9056A | | | | | | | | | |
| Blank (2002034-BLK1) | | | | Prepared & | k Analyzed: | : 01/09/20 0 |) | | | |
| Chloride | ND | 20.0 | mg/kg | | | | | | | |
| LCS (2002034-BS1) | | | | Prepared: (| 01/09/20 0 | Analyzed: (| 01/09/20 1 | | | |
| Chloride | 249 | 20.0 | mg/kg | 250 | | 99.5 | 90-110 | | | |
| Matrix Spike (2002034-MS1) | Source | e: P001026- | 01 | Prepared: (| 01/09/20 0 | Analyzed: (| 01/09/20 1 | | | |
| Chloride | 1340 | 20.0 | mg/kg | 250 | 1110 | 92.4 | 80-120 | | | |
| Matrix Spike Dup (2002034-MSD1) | Source | e: P001026- | 01 | Prepared: (| 01/09/20 0 | Analyzed: (| 01/09/20 1 | | | |
| Chloride | 1240 | 20.0 | mg/kg | 250 | 1110 | 53.2 | 80-120 | 7.58 | 20 | M2 |

QC Summary Report

Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values my differ slightly.

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Grizzly Energy Project Name: State LA

4001 Penbrook Suite 201Project Number:19054-0003Reported:Odessa TX, 79762Project Manager:Lindsey Salgado01/10/20 12:04

Notes and Definitions

S3 Surrogate spike recovery was outside acceptance limits. LCS spike recovery was acceptable.

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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5796 Highway 64, Farmington, NM 87401

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| | Pageo | of 13 |
|---|-----------------------|-------|
| - | Europe and the second | — m |

| Client: GNZCLY | Report Attention | | 47. | L | ab Us | se On | ly | | - 1 | TAT EPA Program | | | am ç | |
|---|--|-----------------|-----------------|--------------|---------------|----------------|---------|-----------|------------|-----------------|----------|---------------|-------------------------------------|------------|
| Project: State LA | Report due by: | Lab | WO# | | | Job N | Vumb | oer | | 1D | 3D | RCRA | CWA | SDW |
| Project Manager: LINDSU Saland | Attention: Nat all Glad all | PO | 010 | 26 | | | 54- | | 13 | 1 | | | | |
| Address: 00 BOX 105% | Address: | | | | | Analy. | sis an | d Me | ethod | 1 | | | Sta | ate |
| City, State, Zip | City, State, Zip | 15 | 15 | | | | | | | | | - 1 | NM CO | UT AZ |
| Phone: | Phone: | V 80 | / 80 | H | | 0.0 | | | l i | | | | | |
| Email: LSalandOS hungyi-NUS (e) | Email: Noladdlus hungyy-norg, | rW6 | (O b) | 805 | 8260 | 300 | | 200 | NM | X | | 100 | | |
| Time Date Matrix No Containers Sample ID | / Lab Numbe | DRO/ORO by 8015 | GRO/DRO by 8015 | ВТЕХ Ьу 8021 | VOC by 8260 | Chloride 300.0 | | TCEQ 1005 | MN - DOGDB | BGDOC - TX | | | Ren | narks |
| 4:39 1/6/AD 5 1 Sp1-2 | 1 | X | X | 8 | | Y | | | | | | | Smell | bed |
| 9.48 46/20 (Sp2-2 | 2 | Y | Y | 0 | | V | | | | | | | | |
| 10:39 1/6/20) Sp3-2 | 3 | V | C | V | | V | | | | | | | |) |
| 11:07 16/20 Sp4-2 | 4 | V | 0 | 0 | ^ | Ψ, | | | | | | | | |
| 12:18 1/10/a0 / Sp5-2 | 5 | 10 | Q | 0 | | 4 | | | | | | | / | |
| | | | | | | , | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Additional Instructions: | | | | | | | | | | | | | ^ | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that time of collection is considered fraud and may be grounds for legal action. Sampled by | | | | | | | | | | | | | day they are sar subsequent days | |
| Relinquished by: (Signature) Date Time | Received by Signature) Date | 2020 | Time | 03 | 0 | Recei | ived o | on ic | e: | Lal | | Only | | |
| Relinquished by: (Signature) Date Time | Received by: (Signature) Date | | Time | | | T1 | | | | T2 | | | T3 | |
| LET 1.8.2020 150 | O Kaina Lover 119/2 | 0 | 9. | 30 | | AVG | Temp | o°C | L | | | | | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | Containe | er Type | : g - g | lass, | p - pc | oly/pla | stic, a | ag - a | ambe | r glass | s, v - \ | /OA | | |
| Note: Samples are discarded 30 days after results are reported unless other only to those samples received by the laboratory with this COC. The liabilit | arrangements are made. Hazardous samples will be returned to | client or | dispos | ed of a | at the c | lient ex | pense. | The | report | for the | analys | is of the abo | ove samples is | applicable |

envirotech
Analytical Laboratory

5795 US Highway 64, Farmington, NM 87401

24 Hour Emergency Response Phone (800) 352-1879



Analytical Report

Report Summary

Client: Grizzly Energy

Samples Received: 1/9/2020 Job Number: 19054-0003 Work Order: P001027

Project Name/Location: State 1A

| Report Reviewed By: | Walter Hankson | Date: | 1/10/20 | |
|---------------------|----------------|-------|---------|--|
| | | _ | | |

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.

Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.

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Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Grizzly Energy Project Name:
4001 Penbrook Suite 201 Project Number:
Odessa TX, 79762 Project Manager:

State 1A 19054-0003 Natalie Gladden

Reported: 01/10/20 12:06

Analytical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| SW 1-2' | P001027-01A | Soil | 01/07/20 | 01/09/20 | Glass Jar, 4 oz. |
| SW 2-2' | P001027-02A | Soil | 01/07/20 | 01/09/20 | Glass Jar, 4 oz. |
| SW 3-2' | P001027-03A | Soil | 01/07/20 | 01/09/20 | Glass Jar, 4 oz. |
| SW 4-2' | P001027-04A | Soil | 01/07/20 | 01/09/20 | Glass Jar, 4 oz. |
| SW 5-2' | P001027-05A | Soil | 01/07/20 | 01/09/20 | Glass Jar, 4 oz. |
| SW 6-2' | P001027-06A | Soil | 01/07/20 | 01/09/20 | Glass Jar, 4 oz. |
| SW 7-2' | P001027-07A | Soil | 01/07/20 | 01/09/20 | Glass Jar, 4 oz. |

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Project Name:

State 1A

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 01/10/20 12:06

SW 1-2' P001027-01 (Solid)

| | | Reporting | 27-01 (Sulu) | | | | | |
|---|--------|-----------|--------------|--------------|----------|----------|--------------------|-------|
| Analyte | Result | Limit | Units Di | lution Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 98.2 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.7 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 95.5 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/O | RO | | | | | | | |
| Diesel Range Organics (C10-C28) | 52.8 | 25.0 | mg/kg 1 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 71.6 | 50.0 | mg/kg 1 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 129 % | 50-200 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 98.2 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 99.7 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 95.5 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | |
| Chloride | 43.0 | 20.0 | mg/kg 1 | 2002034 | 01/09/20 | 01/09/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

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Project Name:

State 1A

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 01/10/20 12:06

SW 2-2' P001027-02 (Solid)

| | | PUUIU | 27-02 (Solia) | | | | | |
|---|--------|-----------|---------------|--------------|----------|----------|--------------------|-------|
| | | Reporting | | | | | | |
| Analyte | Result | Limit | Units Di | lution Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 95.6 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.9 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 95.6 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/O | ORO | | | | | | | |
| Diesel Range Organics (C10-C28) | 48.7 | 25.0 | mg/kg 1 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 61.8 | 50.0 | mg/kg 1 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 113 % | 50-200 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 95.6 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 99.9 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 95.6 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | |
| Chloride | 42.0 | 20.0 | mg/kg 1 | 2002034 | 01/09/20 | 01/09/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

State 1A

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 01/10/20 12:06

SW 3-2' P001027-03 (Solid)

| | | Reporting | 27-03 (Solid) | | | | | |
|---|--------|-----------|---------------|------------|----------|----------|--------------------|-------|
| | - | | | | n . | | | |
| Analyte | Result | Limit | Units Dilu | tion Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97.3 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.6 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 95.9 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/O | ORO | | | | | | | |
| Diesel Range Organics (C10-C28) | 256 | 50.0 | mg/kg 2 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 295 | 100 | mg/kg 2 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 113 % | 50-200 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97.3 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 99.6 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 95.9 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | |
| Chloride | ND | 20.0 | mg/kg 1 | 2002034 | 01/09/20 | 01/09/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

State 1A

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 01/10/20 12:06

SW 4-2' P001027-04 (Solid)

| | | F 0010 | 27-04 (Solia) | | | | | |
|---|--------|-----------|---------------|--------------|----------|----------|--------------------|-------|
| | | Reporting | | | | | | |
| Analyte | Result | Limit | Units Di | lution Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 96.5 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 100 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 93.5 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/O | ORO | | | | | | | |
| Diesel Range Organics (C10-C28) | 203 | 50.0 | mg/kg 2 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 264 | 100 | mg/kg 2 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 104 % | 50-200 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 96.5 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 100 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 93.5 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | |
| Chloride | ND | 20.0 | mg/kg 1 | 2002034 | 01/09/20 | 01/09/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

State 1A

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 01/10/20 12:06

SW 5-2' P001027-05 (Solid)

| P001027-05 (Solid) | | | | | | | | | | |
|---|--------|-----------|---------------|----------|----------|----------|--------------------|-------|--|--|
| | | Reporting | | | | | | | | |
| Analyte | Result | Limit | Units Dilutio | on Batch | Prepared | Analyzed | Method | Notes | | |
| Volatile Organic Compounds by 8260 | | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | | | |
| Toluene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | | | |
| Ethylbenzene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | | | |
| p,m-Xylene | ND | 0.0500 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | | | |
| o-Xylene | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | | | |
| Total Xylenes | ND | 0.0250 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 94.4 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | | | |
| Surrogate: Toluene-d8 | | 100 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | | | |
| Surrogate: Bromofluorobenzene | | 93.6 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | | | |
| Nonhalogenated Organics by 8015 - DRO/O | RO | | | | | | | | | |
| Diesel Range Organics (C10-C28) | 328 | 25.0 | mg/kg 1 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | | | |
| Oil Range Organics (C28-C40) | 290 | 50.0 | mg/kg 1 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | | | |
| Surrogate: n-Nonane | | 110 % | 50-200 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | | | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg 1 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 94.4 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | | | |
| Surrogate: Toluene-d8 | | 100 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | | | |
| Surrogate: Bromofluorobenzene | | 93.6 % | 70-130 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | | | |
| Anions by 300.0/9056A | | | | | | | | | | |
| Chloride | ND | 20.0 | mg/kg 1 | 2002034 | 01/09/20 | 01/09/20 | EPA 300.0/9056A | | | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

State 1A

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 01/10/20 12:06

SW 6-2' P001027-06 (Solid)

| | | F 0010 | 27-06 (Sono | 1) | | | | | |
|---|--------|-----------|-------------|----------|---------|----------|----------|--------------------|-------|
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg 1 | | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Toluene | ND | 0.0250 | mg/kg 1 | | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Ethylbenzene | ND | 0.0250 | mg/kg 1 | | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| p,m-Xylene | ND | 0.0500 | mg/kg 1 | | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| o-Xylene | ND | 0.0250 | mg/kg 1 | | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Total Xylenes | ND | 0.0250 | mg/kg 1 | | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 70-13 | 0 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.9 % | 70-13 | 0 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 94.1 % | 70-13 | 0 | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/O | ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | 145 | 25.0 | mg/kg 1 | | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 139 | 50.0 | mg/kg 1 | | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 94.6 % | 50-20 | 0 | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg 1 | | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 70-13 | 0 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 99.9 % | 70-13 | 0 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 94.1 % | 70-13 | 0 | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 491 | 20.0 | mg/kg 1 | | 2002034 | 01/09/20 | 01/09/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

State 1A

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 01/10/20 12:06

SW 7-2' P001027-07 (Solid)

| | | | 27-07 (Solid |) | | | | | |
|---|--------|-----------|--------------|----------|---------|----------|----------|--------------------|-------|
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organic Compounds by 8260 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg 1 | | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Toluene | 0.0325 | 0.0250 | mg/kg 1 | | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Ethylbenzene | 0.0445 | 0.0250 | mg/kg 1 | | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| p,m-Xylene | 0.0580 | 0.0500 | mg/kg 1 | | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| o-Xylene | 0.0440 | 0.0250 | mg/kg 1 | | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Total Xylenes | 0.102 | 0.0250 | mg/kg 1 | | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97.9 % | 70-130 |) | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 70-130 |) | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Surrogate: Bromofluorobenzene | | 95.5 % | 70-130 |) | 2002030 | 01/08/20 | 01/09/20 | EPA 8260B | |
| Nonhalogenated Organics by 8015 - DRO/O | ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | 327 | 25.0 | mg/kg 1 | | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 127 | 50.0 | mg/kg 1 | | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 114 % | 50-200 |) | 2002032 | 01/09/20 | 01/09/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg 1 | | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97.9 % | 70-130 |) | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Toluene-d8 | | 102 % | 70-130 |) | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Surrogate: Bromofluorobenzene | | 95.5 % | 70-130 |) | 2002030 | 01/08/20 | 01/09/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 20.4 | 20.0 | mg/kg 1 | | 2002034 | 01/09/20 | 01/09/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Grizzly Energy 4001 Penbrook Suite 201

Odessa TX, 79762

Project Name:

Reporting

State 1A

Spike

Source

Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 01/10/20 12:06

RPD

%REC

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

| | | Reporting | | Spike | Source | | /OKEC | | KI D | |
|---------------------------------------|--------|---------------|-------|-------------|--------------|-------------|------------|-------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 2002030 - Purge and Trap EPA 50 |)30A | | | | | | | | | |
| Blank (2002030-BLK1) | | | | Prepared: (| 01/08/20 1 A | Analyzed: (| 01/09/20 2 | | | |
| Benzene | ND | 0.0250 | mg/kg | | | | | | | |
| Toluene | ND | 0.0250 | " | | | | | | | |
| Ethylbenzene | ND | 0.0250 | " | | | | | | | |
| p,m-Xylene | ND | 0.0500 | " | | | | | | | |
| o-Xylene | ND | 0.0250 | " | | | | | | | |
| Total Xylenes | ND | 0.0250 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.479 | | " | 0.500 | | 95.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.498 | | " | 0.500 | | 99.6 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.476 | | " | 0.500 | | 95.1 | 70-130 | | | |
| LCS (2002030-BS1) | | | | Prepared: (| 01/08/20 1 A | Analyzed: (| 01/10/20 0 | | | |
| Benzene | 2.41 | 0.0250 | mg/kg | 2.50 | | 96.5 | 70-130 | | | |
| Toluene | 2.45 | 0.0250 | " | 2.50 | | 97.8 | 70-130 | | | |
| Ethylbenzene | 2.54 | 0.0250 | " | 2.50 | | 101 | 70-130 | | | |
| p,m-Xylene | 4.94 | 0.0500 | " | 5.00 | | 98.7 | 70-130 | | | |
| o-Xylene | 2.44 | 0.0250 | " | 2.50 | | 97.7 | 70-130 | | | |
| Total Xylenes | 7.38 | 0.0250 | " | 7.50 | | 98.4 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.508 | | " | 0.500 | | 102 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.506 | | " | 0.500 | | 101 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.492 | | " | 0.500 | | 98.4 | 70-130 | | | |
| Matrix Spike (2002030-MS1) | Sou | rce: P001027- | 01 | Prepared: (| 01/08/20 1 A | Analyzed: (| 01/10/20 0 | | | |
| Benzene | 2.48 | 0.0250 | mg/kg | 2.50 | ND | 99.4 | 48-131 | | | |
| Toluene | 2.46 | 0.0250 | " | 2.50 | ND | 98.4 | 48-130 | | | |
| Ethylbenzene | 2.54 | 0.0250 | " | 2.50 | ND | 102 | 45-135 | | | |
| p,m-Xylene | 4.98 | 0.0500 | " | 5.00 | ND | 99.6 | 43-135 | | | |
| o-Xylene | 2.47 | 0.0250 | " | 2.50 | ND | 98.8 | 43-135 | | | |
| Total Xylenes | 7.45 | 0.0250 | " | 7.50 | ND | 99.4 | 43-135 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.486 | | " | 0.500 | | 97.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.502 | | " | 0.500 | | 100 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.492 | | " | 0.500 | | 98.3 | 70-130 | | | |
| Matrix Spike Dup (2002030-MSD1) | Sou | rce: P001027- | 01 | Prepared: (| 01/08/20 1 A | Analyzed: (| 01/10/20 0 | | | |
| Benzene | 2.50 | 0.0250 | mg/kg | 2.50 | ND | 99.8 | 48-131 | 0.442 | 23 | |
| Toluene | 2.49 | 0.0250 | " | 2.50 | ND | 99.4 | 48-130 | 0.991 | 24 | |
| Ethylbenzene | 2.60 | 0.0250 | " | 2.50 | ND | 104 | 45-135 | 2.20 | 27 | |
| p,m-Xylene | 5.07 | 0.0500 | " | 5.00 | ND | 101 | 43-135 | 1.76 | 27 | |
| o-Xylene | 2.51 | 0.0250 | " | 2.50 | ND | 100 | 43-135 | 1.61 | 27 | |
| Total Xylenes | 7.58 | 0.0250 | " | 7.50 | ND | 101 | 43-135 | 1.71 | 27 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.516 | | " | 0.500 | | 103 | 70-130 | | | |
| | | | | | | | | | | |

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0.500

0.500

101

98.1

70-130

70-130

0.506

0.491

5796 Highway 64, Farmington, NM 87401

Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene

Ph (505) 632-0615 Fx (505) 632-1865

Project Name: Project Number:

Project Manager:

State 1A

4001 Penbrook Suite 201 Odessa TX, 79762 19054-0003 Natalie Gladden **Reported:** 01/10/20 12:06

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---|--------------------|--------------|-------|-------------|--------------|-------------|------------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 2002032 - DRO Extraction EPA 3570 | | | | | | | | | | |
| Blank (2002032-BLK1) | | | | Prepared: (| 01/09/20 0 A | Analyzed: 0 | 1/09/20 2 | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | | | | | | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | " | | | | | | | |
| Surrogate: n-Nonane | 46.4 | | " | 50.0 | | 92.8 | 50-200 | | | |
| LCS (2002032-BS1) | | | | Prepared: (| 01/09/20 0 A | Analyzed: 0 | 1/09/20 2 | | | |
| Diesel Range Organics (C10-C28) | 511 | 25.0 | mg/kg | 500 | | 102 | 38-132 | | | |
| Surrogate: n-Nonane | 54.3 | | " | 50.0 | | 109 | 50-200 | | | |
| Matrix Spike (2002032-MS1) | Sour | ce: P001027- | 01 | Prepared: (| 01/09/20 0 A | Analyzed: 0 | 1/09/20 2 | | | |
| Diesel Range Organics (C10-C28) | 612 | 25.0 | mg/kg | 500 | 52.8 | 112 | 38-132 | | | |
| Surrogate: n-Nonane | 60.1 | | " | 50.0 | | 120 | 50-200 | | | |
| Matrix Spike Dup (2002032-MSD1) | Source: P001027-01 | | | Prepared: (| 01/09/20 0 A | Analyzed: 0 | 01/09/20 2 | | | |
| Diesel Range Organics (C10-C28) | 631 | 25.0 | mg/kg | 500 | 52.8 | 116 | 38-132 | 3.10 | 20 | |
| Surrogate: n-Nonane | 60.5 | | " | 50.0 | | 121 | 50-200 | | | |
| | | | | | | | | | | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Project Name:

Reporting

State 1A

Spike

Source

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 01/10/20 12:06

RPD

%REC

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

| Prepared 01/08/20 1 Analyzed 01/09/20 2 2 2 2 2 2 2 2 2 | Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|--|--|--------|---------------|-------|-------------|--------------|-------------|-----------|-------|-------|-------|
| Sasoline Range Organics (C6-C10) ND 20.0 mg/kg " 0.500 95.8 70-130 " 0.500 95.8 70-130 " 0.500 95.8 70-130 " 0.500 95.8 70-130 " 0.500 95.1 70-130 " | Batch 2002030 - Purge and Trap EPA 5030A | | | | | | | | | | |
| Natrix Spike (2002030-MS2) Source: P001027-01 Prepared: 01/08/20 1 Analyzed: 01/10/20 0 S5.8 70-130 S0.9 S0 | Blank (2002030-BLK1) | | | | Prepared: (| 01/08/20 1 A | Analyzed: 0 | 1/09/20 2 | | | |
| 1.00 | Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | | | | | | | |
| Prepared: 01/08/20 1 Analyzed: 01/10/20 0 Prepared: 0.500 Prepar | Surrogate: 1,2-Dichloroethane-d4 | 0.479 | | " | 0.500 | | 95.8 | 70-130 | | | |
| Prepared: 01/08/20 1 Analyzed: 01/10/20 0 Casoline Range Organics (C6-C10) 49.7 20.0 mg/kg 50.0 99.4 70-130 70- | Surrogate: Toluene-d8 | 0.498 | | " | 0.500 | | 99.6 | 70-130 | | | |
| Agricoline Range Organics (C6-C10) A9.7 20.0 mg/kg 50.0 99.4 70-130 | Surrogate: Bromofluorobenzene | 0.476 | | " | 0.500 | | 95.1 | 70-130 | | | |
| Autrogate: 1,2-Dichloroethane-d4 0.496 0.503 0.500 0.500 0.70-130 0.500 0.70-130 0.500 0.70-130 0.500 0.70-130 0.500 0.70-130 0.500 0.70-130 0.500 0.70-130 0.500 0.70-130 0.500 0.70-130 0.5000 0.5000 0.5000 0.5000 0.5000 0.5000 0.5000 0.5000 0.5000 0.5000 0.5000 0.5000 0.5000 | LCS (2002030-BS2) | | | | Prepared: (| 01/08/20 1 A | Analyzed: 0 | 1/10/20 0 | | | |
| Comparison Com | Gasoline Range Organics (C6-C10) | 49.7 | 20.0 | mg/kg | 50.0 | | 99.4 | 70-130 | | | |
| Matrix Spike (2002030-MS2) Source: P001027-01 Prepared: 01/08/20 1 Analyzed: 01/10/20 0 Sasoline Range Organics (C6-C10) S5.8 20.0 mg/kg S0.0 ND 112 70-130 Surrogate: 1,2-Dichloroethane-d4 0.495 " 0.500 0. | Surrogate: 1,2-Dichloroethane-d4 | 0.496 | | " | 0.500 | | 99.2 | 70-130 | | | |
| Matrix Spike (2002030-MS2) Source: P001027-01 Frepared: 01/08/20 1 Analyzed: 01/10/20 0 Sasoline Range Organics (C6-C10) S5.8 20.0 mg/kg S0.0 ND 112 70-130 Surrogate: 1,2-Dichloroethane-d4 0.495 " 0.500 98.9 70-130 Surrogate: Toluene-d8 0.512 " 0.500 99.8 70-130 Matrix Spike Dup (2002030-MSD2) Source: P001027-01 Frepared: 01/08/20 1 Analyzed: 01/10/20 0 Sasoline Range Organics (C6-C10) S6.1 20.0 mg/kg S0.0 ND 112 70-130 0.466 20 Surrogate: 1,2-Dichloroethane-d4 0.480 " 0.500 95.9 70-130 0.466 20 Surrogate: 1,2-Dichloroethane-d4 0.480 " 0.500 95.9 70-130 0.466 20 Surrogate: 1,2-Dichloroethane-d4 0.503 " 0.500 95.9 70-130 0.466 20 Surrogate: 1,2-Dichloroethane-d4 0.503 " 0.500 95.9 70-130 | Surrogate: Toluene-d8 | 0.503 | | " | 0.500 | | 101 | 70-130 | | | |
| Sasoline Range Organics (C6-C10) S5.8 20.0 mg/kg S0.0 ND 112 70-130 | Surrogate: Bromofluorobenzene | 0.485 | | " | 0.500 | | 97.0 | 70-130 | | | |
| Autrogate: 1,2-Dichloroethane-d4 0.495 " 0.500 98.9 70-130 102 70- | Matrix Spike (2002030-MS2) | Sou | rce: P001027- | 01 | Prepared: (| 01/08/20 1 A | Analyzed: 0 | 1/10/20 0 | | | |
| ### Spike Dup (2002030-MSD2) **Source: P001027-01** **Source: P001027-01** **Prepared: 01/08/20 1 Analyzed: 01/10/20 0 **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Prepared: 01/08/20 1 Analyzed: 01/10/20 0 **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Prepared: 01/08/20 1 Analyzed: 01/10/20 0 **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Prepared: 01/08/20 1 Analyzed: 01/10/20 0 **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Prepared: 01/08/20 1 Analyzed: 01/10/20 0 **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Prepared: 01/08/20 1 Analyzed: 01/10/20 0 **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Prepared: 01/08/20 1 Analyzed: 01/10/20 0 **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Source: P001027-01** **Prepared: 01/08/20 1 Analyzed: 01/10/20 0 **Source: P001027-01** | Gasoline Range Organics (C6-C10) | 55.8 | 20.0 | mg/kg | 50.0 | ND | 112 | 70-130 | | | |
| Matrix Spike Dup (2002030-MSD2) Source: P001027-01 Prepared: 01/08/20 1 Analyzed: 01/10/20 0 Gasoline Range Organics (C6-C10) 56.1 20.0 mg/kg 50.0 ND 112 70-130 0.466 20 Gurrogate: 1,2-Dichloroethane-d4 0.480 " 0.500 95.9 70-130 Gurrogate: Toluene-d8 0.503 " 0.500 101 70-130 | Surrogate: 1,2-Dichloroethane-d4 | 0.495 | | " | 0.500 | | 98.9 | 70-130 | | | |
| Matrix Spike Dup (2002030-MSD2) Source: P001027-01 Prepared: 01/08/20 1 Analyzed: 01/10/20 0 Gasoline Range Organics (C6-C10) 56.1 20.0 mg/kg 50.0 ND 112 70-130 0.466 20 Furrogate: 1,2-Dichloroethane-d4 0.480 " 0.500 95.9 70-130 Furrogate: Toluene-d8 0.503 " 0.500 101 70-130 | Surrogate: Toluene-d8 | 0.512 | | " | 0.500 | | 102 | 70-130 | | | |
| Sasoline Range Organics (C6-C10) 56.1 20.0 mg/kg 50.0 ND 112 70-130 0.466 20 Surrogate: 1,2-Dichloroethane-d4 0.480 " 0.500 95.9 70-130 Surrogate: Toluene-d8 0.503 " 0.500 101 70-130 | Surrogate: Bromofluorobenzene | 0.499 | | " | 0.500 | | 99.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 0.480 " 0.500 95.9 70-130 (Surrogate: Toluene-d8 0.503 " 0.500 101 70-130 | Matrix Spike Dup (2002030-MSD2) | Sou | rce: P001027- | 01 | Prepared: (| 01/08/20 1 A | Analyzed: 0 | 1/10/20 0 | | | |
| Eurrogate: Toluene-d8 0.503 " 0.500 101 70-130 | Gasoline Range Organics (C6-C10) | 56.1 | 20.0 | mg/kg | 50.0 | ND | 112 | 70-130 | 0.466 | 20 | |
| | Surrogate: 1,2-Dichloroethane-d4 | 0.480 | | " | 0.500 | · | 95.9 | 70-130 | | · | · |
| 'urrogate: Bromofluorobenzene 0.472 " 0.500 94.4 70-130 | Surrogate: Toluene-d8 | 0.503 | | " | 0.500 | | 101 | 70-130 | | | |
| | Surrogate: Bromofluorobenzene | 0.472 | | " | 0.500 | | 94.4 | 70-130 | | | |

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Project Name:

Reporting

Limit

Pocult

State 1A

Spike

Laval

Source

Pacult

%PEC

%REC

Limite

DDD

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 01/10/20 12:06

RPD

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Unite

| Analyte | Resuit | LIIIII | Ullits | Level | Resuit | 70KEC | LIIIIIS | KPD | LIIIII | Notes |
|--|-------------|-------------|--------|-------------|------------|--------------|------------|------|--------|-------|
| Batch 2002034 - Anion Extraction EPA 3 | 800.0/9056A | | | | | | | | | |
| Blank (2002034-BLK1) | | | | Prepared & | k Analyzed | : 01/09/20 (|) | | | |
| Chloride | ND | 20.0 | mg/kg | | | | | | | |
| LCS (2002034-BS1) | | | | Prepared: (| 01/09/20 0 | Analyzed: (| 01/09/20 1 | | | |
| Chloride | 249 | 20.0 | mg/kg | 250 | | 99.5 | 90-110 | | | |
| Matrix Spike (2002034-MS1) | Source | e: P001026- | 01 | Prepared: (| 01/09/20 0 | Analyzed: (| 01/09/20 1 | | | |
| Chloride | 1340 | 20.0 | mg/kg | 250 | 1110 | 92.4 | 80-120 | | | |
| Matrix Spike Dup (2002034-MSD1) | Source | e: P001026- | 01 | Prepared: (| 01/09/20 0 | Analyzed: (| 01/09/20 1 | | | |
| Chloride | 1240 | 20.0 | mg/kg | 250 | 1110 | 53.2 | 80-120 | 7.58 | 20 | M2 |

QC Summary Report

Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values my differ slightly.

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Grizzly Energy Project Name: State 1A

4001 Penbrook Suite 201Project Number:19054-0003Reported:Odessa TX, 79762Project Manager:Natalie Gladden01/10/20 12:06

Notes and Definitions

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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| Project Information | |
|---------------------|--|
|---------------------|--|

Chain of Custody Zlony

| | 2 |
|------|----|
| Page | of |
| -0- | |

| Client: Gr; 22/ y Report Attention | | 1 | | | | se On | ly | | | T | AT | E | EPA Program | | |
|--|--|------------|-----------------|--------------|-------------|----------------|--------|-------------|------------|------------|------------|------------------|--------------------|------------|--|
| Project: Gladden | Report due by: Hunger Horse Attention: Phase Gladder | Lab | WO# | ‡ | bul | Job I | | | | | , 3D | RCRA | CWA | SDW | |
| | Attention: Add Gooden | PE | 100 | 22 | 7 | | | 4-0 | | | | | | | |
| Address: | Address: | | | | | Analy | sis ar | nd Me | ethod | d | | | | ate | |
| City, State, Zip | City, State, Zip | 8015 | 015 | | | | | | | | | | NM CO | UT A | |
| Phone: | Phone: |)y 8(| 39 80 | 21 | 0 | 0.0 | | | 9.00 | | | | | 12.16 | |
| Email: | Email: reladder hugy hore | 80 | RO | y 80 | 826 | e 30 | | 002 | NN. | Ě | | | | | |
| Time Date Sampled Sampled Matrix No Containers Sample ID | Lab Number | DRO/ORO by | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Chloride 300.0 | | TCEQ 1005 | BGDOC - NM | BGDOC - TX | | | Rem | narks | |
| 9:20 1-7-25 1 5W1 | | | | | | | | | (| | | | | | |
| 10:06 1-7-20 (522 | 2. | | | | | | | | (| | | | | | |
| 10:45 1-7-6) sn 3 | 3 | | | | | | | |) | | | | | | |
| 11:34 1-7-20 (Sw4 | 4 | | | | | | | | 1 | | | | | | |
| 12:46 1-7-20 Sw5 | 5 | | | | | | | | | | | | | | |
| 1:35 1-7-70 (Sub | 6 | | | | | | | | 5 | | | | | | |
| 723 17-70 (Sw) | 于 | | | | | | | | 5 | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Additional Instructions: | | | | | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am awar | that tampering with or intentionally mislabelling the sample location, date or | | | | | | | | | | | | e day they are sar | | |
| time of collection is considered fraud and may be grounds for legal action. Samp | at. | | | | | received | packed | in ice at a | an avg te | emp abo | ve 0 but l | ess than 6 °C or | subsequent days | | |
| Relinquished by: (Signature) Date 18/20 Time | Received by: (Signature) Date | 2022 | Time | 03 | 0 | Rece | ived | on ic | e: | | b Us N | e Only | | | |
| Relinquished by: (Signature) Date Time | Received by: (Signature) Date Date | 0 | Time | :30 | | T1 AVG | | | | T2 | | | <u>T3</u> | | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _ | Containe | | | | | | | | | | SS, V - | VOA | | | |
| Note: Samples are discarded 30 days after results are reported unless only to those samples received by the laboratory with this COC. The li | ther arrangements are made. Hazardous samples will be returned to c | ient or | dispos | ed of a | at the | client ex | kpense | . The r | report | for the | e analys | sis of the ab | ove samples is | applicable | |

envirotech
Analytical Laboratory

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| Project | Information |
|---------|-------------|
|---------|-------------|

Chain of Custody Zlony

| | d |
|------|----|
| Page | of |

| Client: 60;22/ y | Report Attention | THE | | ta | ab Us | se Only | | | | AT | E | PA Progra | m 9. |
|--|---|------------------|-----------------|--------------|-------------|-------------------|----------------|--------------------|----------------|---------|-----------|--|---|
| Project: Gate 1A Project Manager: 1. Gladden | Report due by: Hunger Horse Attention: Phalie Gladder | Lab | #0W 0 | # | | | lumbe | | | 3D | RCRA | CWA | Page Ids |
| | Address: | W BO | 2011 | 22 | † | | osy- is and | | | | | Sta | to de |
| | City, State, Zip | - 5 | 10 | | | Allalys | is allu | Metri | Ju | Τ. | | NM CO | |
| | Phone: | y 8015 | y 801 | 1 | 0 | 0.0 | | | | | | | 20 |
| Email: | mail: | RO b | RO b | y 802 | , 826(| e 300 | 200 | 000 NM | × | | | | 20 |
| Time Date Sampled Matrix No Containers Sample ID | La Num | p per DRO/ORO by | GRO/DRO by 8015 | ВТЕХ by 8021 | VOC by 8260 | Chloride 300.0 | , Carl | TCEQ 1005 BGDOC-NM | верос | | | Rem | arks 0:46 |
| 9:20 1-7-25 1 5W1-2' | | | | | | | | (| | | | | 37 A.N |
| 10:06 1-7-20 (5 x 2 - 2' | 2. | | | | | | | 1 | | | io e | | |
| 10:45 1-7-20) su 3-2' | 3 | | | | | | |) | 4 | | | | |
| 11:34 1-7-20 (5~4-2' | 4 | | | | | | | | | | | | |
| | 5 | > | | | | | | (| | | | | |
| 12:46 1-7-20 SW5-2' 1:35 1-7-20 SW6-2' | i c |) | | | | | | | | | | - m | |
| 723 -7-20 5w7-2' | 7 | | | | | | | 5 | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Additional Instructions: | Louis portion | 12445-0-Reg. | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampet time of collection is considered fraud and may be grounds for legal action. Sampled by: | pering with or intentionally mislabelling the sample location, date | or | | | | The second second | | | | | | he day they are sa in subsequent days | CONTRACTOR OF THE PARTY OF THE |
| Refinquished by: (Signature) Additional Plant Dat S Zo Time | Received by: Signature Date | 3 - 202 | Time | 03 | 0 | Rece | ived o | n ice: | (v | ab Us | e Only | | |
| Relinquished by: (Signature) Date Time 1.8.2020 /500 | Received by: (Signature) Date | 3/20 | Time | : 3- | | T1 | | | <u>T2</u> U | | | <u>T3</u> | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | Conta | ainer Typ | e: g - s | glass. | | | | | per gla | SS. V - | VOA | | August 12 |
| Note: Samples are discarded 30 days after results are reported unless other array only to those samples received by the laboratory with this COC. The liability of | angements are made. Hazardous samples will be returned | d to client o | | | | | | | | | | oove samples i | s applicable 8 |
| | and a second of the second of the rep | p | | | | | | | | | | | N |
| | US Highway 64, Farmington, NM 87401 | | | Ph | (505) | 32-1881 | Fx (505) |) 632-186 | 55 | Lat | | otech-inc.com wiratech-inc.c | 12 of |
| Alidiyiledi Laboratory 24Ho | our Emergency Response Phone (800) 352-1879 | | | | | | | | | [3] | oommer en | MICKESH-IIICK | of 287 |

Analytical Report

Report Summary

Client: Grizzly Energy

Samples Received: 1/31/2020 Job Number: 19054-0003 Work Order: P001094

Project Name/Location: State LA

| Report Reviewed By: | Walter Hankson | Date: | 2/3/20 | |
|---------------------|----------------|-------|--------|--|
| | | _ | | |

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.

Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.

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Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.

Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

5796 Highway 64, Farmington, NM 87401

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Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 02/03/20 14:13

Analytical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| Bottom Composite | P001094-01A | Soil | 01/29/20 | 01/31/20 | Glass Jar, 4 oz. |

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Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 02/03/20 14:13

Bottom Composite P001094-01 (Solid)

| | | P0010 |)94-01 (So | lid) | | | | | |
|---|--------|-----------|------------|----------|---------|----------|----------|--------------------|-------|
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2005035 | 01/31/20 | 01/31/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2005035 | 01/31/20 | 01/31/20 | EPA 8021B | |
| Ethylbenzene | 0.0370 | 0.0250 | mg/kg | 1 | 2005035 | 01/31/20 | 01/31/20 | EPA 8021B | |
| p,m-Xylene | 0.0929 | 0.0500 | mg/kg | 1 | 2005035 | 01/31/20 | 01/31/20 | EPA 8021B | |
| o-Xylene | 0.0389 | 0.0250 | mg/kg | 1 | 2005035 | 01/31/20 | 01/31/20 | EPA 8021B | |
| Total Xylenes | 0.132 | 0.0250 | mg/kg | 1 | 2005035 | 01/31/20 | 01/31/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 102 % | 50-1 | 150 | 2005035 | 01/31/20 | 01/31/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DR | O/ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | 388 | 25.0 | mg/kg | 1 | 2005033 | 01/31/20 | 01/31/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 133 | 50.0 | mg/kg | 1 | 2005033 | 01/31/20 | 01/31/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 106 % | 50-2 | 200 | 2005033 | 01/31/20 | 01/31/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GR | 0 | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2005035 | 01/31/20 | 01/31/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 86.8 % | 50-1 | 150 | 2005035 | 01/31/20 | 01/31/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 75.2 | 20.0 | mg/kg | 1 | 2005037 | 01/31/20 | 01/31/20 | EPA 300.0/9056A | |

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Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 02/03/20 14:13

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--|---|--------------------|-------|---|--------|------|----------|--------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 2005035 - Purge and Trap EPA 5030A | | | | | | | | | | |
| Blank (2005035-BLK1) | Prepared: 01/31/20 0 Analyzed: 01/31/20 1 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | | | | | | | |
| Toluene | ND | 0.0250 | " | | | | | | | |
| Ethylbenzene | ND | 0.0250 | " | | | | | | | |
| p,m-Xylene | ND | 0.0500 | " | | | | | | | |
| o-Xylene | ND | 0.0250 | " | | | | | | | |
| Total Xylenes | ND | 0.0250 | " | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.63 | | " | 8.00 | | 108 | 50-150 | | | |
| LCS (2005035-BS1) | Prepared: 01/31/20 0 Analyzed: 01/31/20 1 | | | | | | | | | |
| Benzene | 5.12 | 0.0250 | mg/kg | 5.00 | | 102 | 70-130 | | | |
| Toluene | 5.13 | 0.0250 | " | 5.00 | | 103 | 70-130 | | | |
| Ethylbenzene | 5.11 | 0.0250 | " | 5.00 | | 102 | 70-130 | | | |
| p,m-Xylene | 10.2 | 0.0500 | " | 10.0 | | 102 | 70-130 | | | |
| o-Xylene | 5.14 | 0.0250 | " | 5.00 | | 103 | 70-130 | | | |
| Total Xylenes | 15.3 | 0.0250 | " | 15.0 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.59 | | " | 8.00 | | 107 | 50-150 | | | |
| Matrix Spike (2005035-MS1) | Source: P001096-01 | | | Prepared: 01/31/20 0 Analyzed: 01/31/20 1 | | | | | | |
| Benzene | 5.03 | 0.0250 | mg/kg | 5.00 | ND | 101 | 54.3-133 | | | |
| Toluene | 5.05 | 0.0250 | " | 5.00 | ND | 101 | 61.4-130 | | | |
| Ethylbenzene | 5.04 | 0.0250 | " | 5.00 | ND | 101 | 61.4-133 | | | |
| p,m-Xylene | 10.1 | 0.0500 | " | 10.0 | 0.0512 | 100 | 63.3-131 | | | |
| o-Xylene | 5.07 | 0.0250 | " | 5.00 | ND | 101 | 63.3-131 | | | |
| Total Xylenes | 15.1 | 0.0250 | " | 15.0 | 0.0512 | 101 | 63.3-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.68 | | " | 8.00 | | 108 | 50-150 | | | |
| Matrix Spike Dup (2005035-MSD1) | Sou | Source: P001096-01 | | Prepared: 01/31/20 0 Analyzed: 01/31/20 1 | | | | | | |
| Benzene | 5.08 | 0.0250 | mg/kg | 5.00 | ND | 102 | 54.3-133 | 0.936 | 20 | |
| Toluene | 5.07 | 0.0250 | " | 5.00 | ND | 101 | 61.4-130 | 0.255 | 20 | |
| Ethylbenzene | 5.05 | 0.0250 | " | 5.00 | ND | 101 | 61.4-133 | 0.284 | 20 | |
| p,m-Xylene | 10.1 | 0.0500 | " | 10.0 | 0.0512 | 100 | 63.3-131 | 0.194 | 20 | |
| o-Xylene | 5.07 | 0.0250 | " | 5.00 | ND | 101 | 63.3-131 | 0.0701 | 20 | |
| Total Xylenes | 15.2 | 0.0250 | " | 15.0 | 0.0512 | 101 | 63.3-131 | 0.153 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.52 | | " | 8.00 | | 106 | 50-150 | | | |
| | | | | | | | | | | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Grizzly Energy 4001 Penbrook Suite 201

Odessa TX, 79762

Project Name:

State LA

Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 02/03/20 14:13

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---|--------|---------------|-------|-------------|------------|-------------|------------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 2005033 - DRO Extraction EPA 3570 | | | | | | | | | | |
| Blank (2005033-BLK1) | | | | Prepared: (| 01/31/20 0 | Analyzed: 0 | 02/03/20 0 | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | | | | | | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | " | | | | | | | |
| Surrogate: n-Nonane | 48.0 | | " | 50.0 | | 96.1 | 50-200 | | | |
| LCS (2005033-BS1) | | | | Prepared: (| 01/31/20 0 | Analyzed: 0 | 01/31/20 1 | | | |
| Diesel Range Organics (C10-C28) | 415 | 25.0 | mg/kg | 500 | | 82.9 | 38-132 | | | |
| Surrogate: n-Nonane | 49.3 | | " | 50.0 | | 98.6 | 50-200 | | | |
| Matrix Spike (2005033-MS1) | Sou | rce: P001096- | 01 | Prepared: (| 01/31/20 0 | Analyzed: 0 | 01/31/20 1 | | | |
| Diesel Range Organics (C10-C28) | 704 | 25.0 | mg/kg | 500 | 122 | 116 | 38-132 | | | |
| Surrogate: n-Nonane | 53.9 | | " | 50.0 | | 108 | 50-200 | | | |
| Matrix Spike Dup (2005033-MSD1) | Sou | rce: P001096- | 01 | Prepared: (| 01/31/20 0 | Analyzed: 0 | 01/31/20 1 | | | |
| Diesel Range Organics (C10-C28) | 597 | 25.0 | mg/kg | 500 | 122 | 94.9 | 38-132 | 16.4 | 20 | |
| Surrogate: n-Nonane | 47.9 | | " | 50.0 | | 95.8 | 50-200 | | | |
| | | | | | | | | | | |

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Analyte

Project Name:

Reporting

Limit

Pacult

State LA

Spike

Laval

Source

Pocult

%PEC

%REC

Limite

DDD

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 02/03/20 14:13

RPD

Limit

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Unite

| Analyte | Resuit | Limit | Units | Level | Resuit | %REC | Limits | KPD | Limit | Notes |
|--|--------|-------------|-------|-----------|------------|-------------|------------|-------|-------|-------|
| Batch 2005035 - Purge and Trap EPA 5030A | | | | | | | | | | |
| Blank (2005035-BLK1) | | | | Prepared: | 01/31/20 0 | Analyzed: (| 01/31/20 1 | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.59 | | " | 8.00 | | 94.9 | 50-150 | | | |
| LCS (2005035-BS2) | | | | Prepared: | 01/31/20 0 | Analyzed: (| 01/31/20 1 | | | |
| Gasoline Range Organics (C6-C10) | 46.8 | 20.0 | mg/kg | 50.0 | | 93.6 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.69 | | " | 8.00 | | 96.2 | 50-150 | | | |
| Matrix Spike (2005035-MS2) | Source | e: P001096- | 01 | Prepared: | 01/31/20 0 | Analyzed: (| 01/31/20 1 | | | |
| Gasoline Range Organics (C6-C10) | 47.7 | 20.0 | mg/kg | 50.0 | ND | 95.3 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.55 | | " | 8.00 | | 94.4 | 50-150 | | | |
| Matrix Spike Dup (2005035-MSD2) | Source | e: P001096- | 01 | Prepared: | 01/31/20 0 | Analyzed: (| 01/31/20 1 | | | |
| Gasoline Range Organics (C6-C10) | 48.1 | 20.0 | mg/kg | 50.0 | ND | 96.2 | 70-130 | 0.984 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.46 | | " | 8.00 | | 93.3 | 50-150 | | | |
| | | | | | | | | | | |

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Project Name:

Reporting

State LA

Spike

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 02/03/20 14:13

RPD

%REC

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|--|-----------|-------------|-------|-------------|------------|-------------|-----------|------|-------|-------|
| Batch 2005037 - Anion Extraction EPA 300 | 0.0/9056A | | | | | | | | | |
| Blank (2005037-BLK1) | | | | Prepared: (| 01/31/20 0 | Analyzed: 0 | 1/31/20 1 | | | |
| Chloride | ND | 20.0 | mg/kg | | | | | | | |
| LCS (2005037-BS1) | | | | Prepared: (| 01/31/20 0 | Analyzed: 0 | 1/31/20 1 | | | |
| Chloride | 253 | 20.0 | mg/kg | 250 | | 101 | 90-110 | | | |
| Matrix Spike (2005037-MS1) | Source | e: P001094- | 01 | Prepared: (| 01/31/20 0 | Analyzed: 0 | 1/31/20 1 | | | |
| Chloride | 348 | 20.0 | mg/kg | 250 | 75.2 | 109 | 80-120 | | | |
| Matrix Spike Dup (2005037-MSD1) | Source | e: P001094- | 01 | Prepared: (| 01/31/20 0 | Analyzed: 0 | 1/31/20 1 | | | |
| Chloride | 358 | 20.0 | mg/kg | 250 | 75.2 | 113 | 80-120 | 2.82 | 20 | |

QC Summary Report

Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values my differ slightly.

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Grizzly Energy Project Name: State LA

4001 Penbrook Suite 201Project Number:19054-0003Reported:Odessa TX, 79762Project Manager:Natalie Gladden02/03/20 14:13

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

| Client: | 155,0 | 4 | | | Report Attention | | , E | 7 | La | ab Us | se Onl | у | | | TA | AT. | E | PA Progr | SDW C |
|-----------------|-----------------|-----------------|------------------|--|--|-----------------|-----------------|-----------------|--------------|-------------|----------------|---------|-----------|------------|------------|---------|--------------|-------------------------------------|--------------|
| Project: | | | 100 | 1720 | Report due by: | 2 2 | Lab | WO# | | | Job N | | | | 1D | 3D | RCRA | CWA | SDW |
| | lanager: | rata | Jie Ci | ladden | Attention: Netalie Glosc | ber | Po | 010 | 94 | | | | 4-00 | | X | | | | |
| Address: | 100 | | | | Address: | | | | | | Analys | sis and | d Met | hod | 1 | | | | ate |
| City, Stat | e, Zip | | | | City, State, Zip | | 315 | 115 | | | | | | | | | | NM CO | UT AZ |
| Phone: | | | | | Phone: 57,5-390-429 | 7 | 98 % | y 8C | 21 | 0 | 0.0 | | | | | | | | |
| Email: | | | | | Email: nclar/hora hugy- | honse | ROL | RO b | / 80 | 826 | e 30 | | 2005 | Σ | × | | | | |
| Time Sampled | Date Sampled | Matrix | No Containers | Sample ID | 0 | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Chloride 300.0 | | TCEQ 1005 | BGDOC - NM | BGDOC - TX | | | Rer | narks |
| 2:00 | 1-29-20 | 501 | 1 | Botton | n Composite | | | | | | | |) | X | | | | | |
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| Addition | al Instruc | tions: | | | | | | | | | | | | | | | | | |
| | | | | his sample. I am aware for legal action. Sample | that tampering with or intentionally mislabelling the sample locat d by: | ion, date or | | | | | | | | | | | | e day they are sa subsequent day | 114 |
| | aul- | slada | Date 1/: | Time 75 | Received by: (Signature) | Date /-30 · | 202 | Time | 13 | 20 | Recei | ved o | on ice | | La | b Use | e Only | | |
| Relinquishe | ed by: (Signa | ature) | Date | 10.2920 / | Received by: (Signature) Received By: (Signature) Received By: (Signature) | /-30. Date 31/2 | 20 | Time PLQ | :30 | | T1 AVG | Temn | °C | 4 | Г2 | | - | <u>T3</u> | |
| Sample Mari | : S - Soil, So | I - Solid, Sg - | Sludge, A - A | queous, O - Other | | Container | Type | : g - p | lass. | p - pr | olv/nla | stic a | 1g - an | nher | place | s v - 1 | /OA | The second | 4,5 |
| Note: Sample | es are discard | ded 30 days a | fter results a | re reported unless ot | her arrangements are made. Hazardous samples will be r | eturned to cli | ent or | dispos | ed of a | t the c | lient exp | oense. | The re | port fo | or the | analys | is of the ab | ove samples i | s applicable |

envirotech
Analytical Laboratory

5795 US Highway 64, Farmington, NM 87401

Ph (505) 632-1881 Fx (505) 632-1865

envirotech-inc.com

labadmin@envirotech-inc.com



Analytical Report

Report Summary

Client: Grizzly Energy

Samples Received: 2/22/2020 Job Number: 19054-0003 Work Order: P002065

Project Name/Location: State LA

| Report Reviewed By: | Waltet Homeson | Date: | 2/25/20 |
|---------------------|----------------|-------|---------|
| | | | |





Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.

Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.

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Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

5796 Highway 64, Farmington, NM 87401

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Grizzly Energy Project Name:
4001 Penbrook Suite 201 Project Number:
Odessa TX, 79762 Project Manager:

State LA 19054-0003 Fabian Franco

Reported: 02/25/20 14:50

Analytical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| Тор | P002065-01A | Soil | 02/20/20 | 02/22/20 | Glass Jar, 4 oz. |
| E1 | P002065-02A | Soil | 02/20/20 | 02/22/20 | Glass Jar, 4 oz. |

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Labadmin@envirotech-inc.com

envirotech-inc.com

Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Fabian Franco **Reported:** 02/25/20 14:50

Top P002065-01 (Solid)

| | | P0020 | 05-01 (50110 | .) | | | | | |
|---|--------|-----------|--------------|----------|---------|----------|----------|--------------------|-------|
| | | Reporting | · | | | | | | · |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg 1 | | 2009001 | 02/24/20 | 02/24/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg 1 | | 2009001 | 02/24/20 | 02/24/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg 1 | | 2009001 | 02/24/20 | 02/24/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg 1 | | 2009001 | 02/24/20 | 02/24/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg 1 | | 2009001 | 02/24/20 | 02/24/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg 1 | | 2009001 | 02/24/20 | 02/24/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 104 % | 50-15 | 0 | 2009001 | 02/24/20 | 02/24/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/O | RO | | | | | | | | |
| Diesel Range Organics (C10-C28) | 263 | 50.0 | mg/kg 2 | | 2009003 | 02/24/20 | 02/24/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 440 | 100 | mg/kg 2 | | 2009003 | 02/24/20 | 02/24/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 118 % | 50-20 | 0 | 2009003 | 02/24/20 | 02/24/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg 1 | | 2009001 | 02/24/20 | 02/24/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 92.9 % | 50-15 | 0 | 2009001 | 02/24/20 | 02/24/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 83.7 | 20.0 | mg/kg 1 | | 2009002 | 02/24/20 | 02/24/20 | EPA 300.0/9056A | |

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Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Fabian Franco **Reported:** 02/25/20 14:50

E1 P002065-02 (Solid)

| | | P0020 | 05-02 (S011a) | | | | | |
|--|--------|-----------|---------------|--------------|--------------|----------|--------------------|-------|
| | | Reporting | · | · | | | | |
| Analyte | Result | Limit | Units D | ilution Bate | eh Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg 1 | 20090 | 001 02/24/20 | 02/24/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg 1 | 20090 | 001 02/24/20 | 02/24/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg 1 | 20090 | 001 02/24/20 | 02/24/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg 1 | 20090 | 001 02/24/20 | 02/24/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg 1 | 20090 | 001 02/24/20 | 02/24/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg 1 | 20090 | 001 02/24/20 | 02/24/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 105 % | 50-150 | 2009 | 001 02/24/20 | 02/24/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/Ol | RO | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg 1 | 20090 | 003 02/24/20 | 02/24/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg 1 | 20090 | 003 02/24/20 | 02/24/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 86.3 % | 50-200 | 2009 | 003 02/24/20 | 02/24/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg 1 | 20090 | 001 02/24/20 | 02/24/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 96.8 % | 50-150 | 2009 | 001 02/24/20 | 02/24/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | |
| Chloride | 217 | 20.0 | mg/kg 1 | 20090 | 002 02/24/20 | 02/24/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Fabian Franco **Reported:** 02/25/20 14:50

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

| Analyte Result Limit Units Level Result %4RC Limits RPD Limit Note Note Result Select Result Select Result Select Result Resu | | | Reporting | | Spike | Source | | %REC | | RPD | |
|--|--|--------|---------------|-------|-------------|--------------|-------------|------------|------|-----|-------|
| Prepared: | Analyte | Result | | Units | • | | %REC | | RPD | | Notes |
| Benzene | Batch 2009001 - Purge and Trap EPA 5030A | | | | | | | | | | |
| ND | Blank (2009001-BLK1) | | | | Prepared: (| 02/24/20 0 A | Analyzed: 0 | 02/24/20 1 | | | |
| ND | Benzene | ND | 0.0250 | mg/kg | | | | | | | |
| ND | Toluene | ND | 0.0250 | " | | | | | | | |
| ND | Ethylbenzene | ND | 0.0250 | " | | | | | | | |
| ND | p,m-Xylene | ND | 0.0500 | " | | | | | | | |
| Name | o-Xylene | ND | 0.0250 | " | | | | | | | |
| | Total Xylenes | ND | 0.0250 | " | | | | | | | |
| Benzene | Surrogate: 4-Bromochlorobenzene-PID | 8.37 | | " | 8.00 | | 105 | 50-150 | | | |
| Toluene 4.85 0.0250 " 5.00 96.9 70-130 Ebitylbenzene 4.84 0.0250 " 5.00 96.7 70-130 96.7 7 | LCS (2009001-BS1) | | | | Prepared: (| 02/24/20 0 A | Analyzed: 0 | 02/24/20 1 | | | |
| Toluene 4.85 0.0250 " 5.00 96.9 70-130 Ebitylbenzene 4.84 0.0250 " 5.00 96.7 70-130 96.7 7 | Benzene | 4.85 | 0.0250 | mg/kg | 5.00 | | 96.9 | 70-130 | | | |
| p,m-Xylene 9,65 0,0500 " 10.0 96.5 70.130 | Toluene | 4.85 | 0.0250 | | 5.00 | | 96.9 | 70-130 | | | |
| p,m-Xylene 9,65 0,0500 " 10.0 96.5 70.130 | Ethylbenzene | | | " | 5.00 | | | | | | |
| Ask 0.0250 " 5.00 96.8 70-130 70-1 | · · | | 0.0500 | " | | | | | | | |
| Total Xylenes | ** | | | " | | | | | | | |
| Matrix Spike (2009001-MS1) Source: P002058-01 Prepared: 02/24/20 0 Analyzed: 02/24/20 1 | Total Xylenes | | | " | | | | | | | |
| Benzene | Surrogate: 4-Bromochlorobenzene-PID | 8.44 | | " | 8.00 | | 105 | 50-150 | | | |
| Toluene | Matrix Spike (2009001-MS1) | Sou | rce: P002058- | 01 | Prepared: (| 02/24/20 0 A | Analyzed: 0 | 02/24/20 1 | | | |
| Toluene S.07 0.0250 " S.00 ND 101 61.4-130 61.4-130 61.4-130 61.4-130 61.4-130 61.4-130 61.4-130 61.4-130 61.4-133 61.4-130 61.4-133 61.4- | Benzene | 5.07 | 0.0250 | mg/kg | 5.00 | ND | 101 | 54.3-133 | | | |
| Ethylbenzene 5.06 0.0250 " 5.00 ND 101 61.4-133 | Toluene | | | | | | | | | | |
| Description 10.1 0.0500 " 10.0 ND 101 63.3-131 63.3-131 65.07 0.0250 " 5.00 ND 101 63.3-131 65.3-131 65.07 0.0250 " 15.0 ND 101 63.3-131 65.3-131 | Ethylbenzene | | | " | | | | | | | |
| Source Source Source Source Pol Source | · · | 10.1 | | " | 10.0 | ND | 101 | | | | |
| Total Xylenes 15.2 0.0250 " 15.0 ND 101 0-200 | ** | | | " | | | | | | | |
| Matrix Spike Dup (2009001-MSD1) Source: P002058-01 Prepared: 02/24/20 0 Analyzed: 02/24/20 1 Benzene 4.73 0.0250 mg/kg 5.00 ND 94.6 54.3-133 6.89 20 Toluene 4.70 0.0250 " 5.00 ND 94.0 61.4-130 7.56 20 Ethylbenzene 4.69 0.0250 " 5.00 ND 93.7 61.4-133 7.63 20 p,m-Xylene 9.35 0.0500 " 10.0 ND 93.5 63.3-131 7.60 20 o-Xylene 4.70 0.0250 " 5.00 ND 94.0 63.3-131 7.52 20 Total Xylenes 14.1 0.0250 " 15.0 ND 93.7 0-200 7.57 200 | Total Xylenes | | | " | | | | | | | |
| Benzene 4.73 0.0250 mg/kg 5.00 ND 94.6 54.3-133 6.89 20 Toluene 4.70 0.0250 " 5.00 ND 94.0 61.4-130 7.56 20 Ethylbenzene 4.69 0.0250 " 5.00 ND 93.7 61.4-133 7.63 20 p,m-Xylene 9.35 0.0500 " 10.0 ND 93.5 63.3-131 7.60 20 o-Xylene 4.70 0.0250 " 5.00 ND 94.0 63.3-131 7.52 20 Total Xylenes 14.1 0.0250 " 15.0 ND 93.7 0-200 7.57 200 | Surrogate: 4-Bromochlorobenzene-PID | 8.46 | | " | 8.00 | | 106 | 50-150 | | | |
| Benzene 4.73 0.0250 mg/kg 5.00 ND 94.6 54.3-133 6.89 20 Toluene 4.70 0.0250 " 5.00 ND 94.0 61.4-130 7.56 20 Ethylbenzene 4.69 0.0250 " 5.00 ND 93.7 61.4-133 7.63 20 p,m-Xylene 9.35 0.0500 " 10.0 ND 93.5 63.3-131 7.60 20 o-Xylene 4.70 0.0250 " 5.00 ND 94.0 63.3-131 7.52 20 Total Xylenes 14.1 0.0250 " 15.0 ND 93.7 0-200 7.57 200 | Matrix Spike Dup (2009001-MSD1) | Sou | rce: P002058- | 01 | Prepared: (| 02/24/20 0 A | Analyzed: 0 | 02/24/20 1 | | | |
| Toluene 4.70 0.0250 " 5.00 ND 94.0 61.4-130 7.56 20 Ethylbenzene 4.69 0.0250 " 5.00 ND 93.7 61.4-133 7.63 20 p,m-Xylene 9.35 0.0500 " 10.0 ND 93.5 63.3-131 7.60 20 o-Xylene 4.70 0.0250 " 5.00 ND 94.0 63.3-131 7.52 20 Total Xylenes 14.1 0.0250 " 15.0 ND 93.7 0-200 7.57 200 | Benzene | 4.73 | 0.0250 | mg/kg | | | | | 6.89 | 20 | |
| Ethylbenzene 4.69 0.0250 " 5.00 ND 93.7 61.4-133 7.63 20 p,m-Xylene 9.35 0.0500 " 10.0 ND 93.5 63.3-131 7.60 20 o-Xylene 4.70 0.0250 " 5.00 ND 94.0 63.3-131 7.52 20 Total Xylenes 14.1 0.0250 " 15.0 ND 93.7 0-200 7.57 200 | Toluene | | | | | | | | | | |
| p,m-Xylene 9.35 0.0500 " 10.0 ND 93.5 63.3-131 7.60 20 o-Xylene 4.70 0.0250 " 5.00 ND 94.0 63.3-131 7.52 20 Total Xylenes 14.1 0.0250 " 15.0 ND 93.7 0-200 7.57 200 | | | | " | | | | | | | |
| O-Xylene 4.70 0.0250 " 5.00 ND 94.0 63.3-131 7.52 20 Total Xylenes 14.1 0.0250 " 15.0 ND 93.7 0-200 7.57 200 | · · | | | " | | | | | | | |
| Total Xylenes 14.1 0.0250 " 15.0 ND 93.7 0-200 7.57 200 | ** | | | " | | | | | | | |
| | Total Xylenes | | | " | | | | | | | |
| | Surrogate: 4-Bromochlorobenzene-PID | | | " | | | | | | | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Project Name: Project Number:

Project Manager:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 19054-0003 Fabian Franco **Reported:** 02/25/20 14:50

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---|--------|--------------|-------|-------------|--------------|-------------|------------|-------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 2009003 - DRO Extraction EPA 3570 | | | | | | | | | | |
| Blank (2009003-BLK1) | | | | Prepared: (| 02/24/20 0 A | Analyzed: 0 | 02/24/20 1 | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | | | | | | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | " | | | | | | | |
| Surrogate: n-Nonane | 53.0 | | " | 50.0 | | 106 | 50-200 | | | |
| LCS (2009003-BS1) | | | | Prepared: (| 02/24/20 0 A | Analyzed: 0 | 2/24/20 1 | | | |
| Diesel Range Organics (C10-C28) | 442 | 25.0 | mg/kg | 500 | | 88.4 | 38-132 | | | |
| Surrogate: n-Nonane | 47.7 | | " | 50.0 | | 95.4 | 50-200 | | | |
| Matrix Spike (2009003-MS1) | Sour | ce: P002065- | 01 | Prepared: (| 02/24/20 0 A | Analyzed: 0 | 2/24/20 1 | | | |
| Diesel Range Organics (C10-C28) | 792 | 50.0 | mg/kg | 500 | 263 | 106 | 38-132 | | | |
| Surrogate: n-Nonane | 59.2 | | " | 50.0 | | 118 | 50-200 | | | |
| Matrix Spike Dup (2009003-MSD1) | Sour | ce: P002065- | 01 | Prepared: (| 02/24/20 0 A | Analyzed: 0 | 02/24/20 1 | | | |
| Diesel Range Organics (C10-C28) | 795 | 50.0 | mg/kg | 500 | 263 | 106 | 38-132 | 0.409 | 20 | |
| Surrogate: n-Nonane | 57.2 | | " | 50.0 | | 114 | 50-200 | | | |
| | | | | | | | | | | |

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Project Name:

Reporting

State LA

Spike

Source

%REC

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Fabian Franco **Reported:** 02/25/20 14:50

RPD

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|--|--------|-------------|-------|-------------|------------|-------------|------------|------|-------|-------|
| Batch 2009001 - Purge and Trap EPA 5030A | | | | | | | | | | |
| Blank (2009001-BLK1) | | | | Prepared: (| 02/24/20 0 | Analyzed: 0 | 2/24/20 1 | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.59 | | " | 8.00 | | 94.9 | 50-150 | | | |
| LCS (2009001-BS2) | | | | Prepared: (| 02/24/20 0 | Analyzed: 0 | 02/24/20 1 | | | |
| Gasoline Range Organics (C6-C10) | 42.5 | 20.0 | mg/kg | 50.0 | | 85.0 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.52 | | " | 8.00 | | 94.0 | 50-150 | | | |
| Matrix Spike (2009001-MS2) | Source | e: P002058- | 01 | Prepared: (| 02/24/20 0 | Analyzed: 0 | 2/24/20 1 | | | |
| Gasoline Range Organics (C6-C10) | 46.7 | 20.0 | mg/kg | 50.0 | ND | 93.3 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.61 | | " | 8.00 | | 95.1 | 50-150 | | | |
| Matrix Spike Dup (2009001-MSD2) | Source | e: P002058- | 01 | Prepared: (| 02/24/20 0 | Analyzed: 0 | 02/24/20 1 | | | |
| Gasoline Range Organics (C6-C10) | 43.5 | 20.0 | mg/kg | 50.0 | ND | 87.0 | 70-130 | 7.02 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.56 | | " | 8.00 | | 94.5 | 50-150 | | | |

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Project Name:

Reporting

State LA

Spike

Source

%REC

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Fabian Franco **Reported:** 02/25/20 14:50

RPD

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|---|-----------|------------|-------|-------------|--------------|-------------|-----------|--------|-------|-------|
| Batch 2009002 - Anion Extraction EPA 30 | 0.0/9056A | | | | | | | | | |
| Blank (2009002-BLK1) | | | | Prepared: (| 02/24/20 0 A | Analyzed: 0 | 2/24/20 1 | | | |
| Chloride | ND | 20.0 | mg/kg | | | | | | | |
| LCS (2009002-BS1) | | | | Prepared: (| 02/24/20 0 A | Analyzed: 0 | 2/24/20 1 | | | |
| Chloride | 253 | 20.0 | mg/kg | 250 | | 101 | 90-110 | | | |
| Matrix Spike (2009002-MS1) | Source | : P002058- | 01 | Prepared: (| 02/24/20 0 A | Analyzed: 0 | 2/24/20 1 | | | |
| Chloride | 334 | 20.0 | mg/kg | 250 | 81.9 | 101 | 80-120 | | | |
| Matrix Spike Dup (2009002-MSD1) | Source | : P002058- | 01 | Prepared: (| 02/24/20 0 | Analyzed: 0 | 2/24/20 1 | | | |
| Chloride | 334 | 20.0 | mg/kg | 250 | 81.9 | 101 | 80-120 | 0.0568 | 20 | |

QC Summary Report

Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values my differ slightly.

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Grizzly Energy Project Name: State LA

4001 Penbrook Suite 201Project Number:19054-0003Reported:Odessa TX, 79762Project Manager:Fabian Franco02/25/20 14:50

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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| Page _ | of | \perp |

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|--|--|----------------------------------|-----------------|---------------------------------|-------------|-------------|----------------|---------------|------------|-------------|------------------|--------------------|----------|
| Client: 71271 | Bill To | | | | ab U | se On | | | | AT | E | PA Progra | am |
| Project: State LA | Attention: Natalie Gadden | _ | Lab W | 0# | - 21 | Job | Numb | er -0003 | 1D | 3D | RCRA | CWA | SDWA |
| Project Manager: Fabian Franco | I laddress: | | Pog | 206 | 4 | 19 | 054 | -0003 | X | | | | |
| Address: | City, State, Zip HObbS NM | | | | | Analy | sis and | d Metho | d / | • | | Sta | ate |
| City, State, Zip | Phone: | | | | | | | | | | | NM CO | UT AZ |
| Phone: | Email: No a dal 15 hung | -110 | STY | 113 | | | | | | 1 | | | |
| Email: | 700.0 | | 34 80 | 21 | 0 | _ | 0.0 | | 5 | | 139 | TX OK | |
| Report due by: | ii . | | RO | 180 K | 826 | 109 | e 30 | | ž | × | 1.00 | | |
| Time Date Sampled Matrix Containers Sample ID | 1 | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | | BGDOC - NM | BGDOC. | | Rem | narks |
| 2:23 2/28/20 S 1 TOO | | 1 | | | | | | | V | 7 | | | |
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| Additional Instructions: | | | | | | | | | | | | | |
| , (field sampler), attest to the validity and authenticity of this sample. I am aw | are that tampering with or intentionally mislabelling the sample location | date or | _ | | | Samples | requiring t | thermal prese | rvation m | ust be rece | eived on ice the | e day they are sam | npled or |
| time of collection is considered fraud and may be grounds for legal action. Sar | | , sate of | | | | | | | | | | subsequent days. | |
| Delis Antick a Village (Cianal and Design) | | ite | Tir | ne | | | | | 12 | b Use | Only | | |
| Tather 12/21/20 1 | Received by: (Signature) | 2.71.5 | 2020 | 15 | 15 | Poco | ivod o | on ico: | (V) | / 11 | Office | | |
| Relinquished by: (Signature) Date Tim | Received by: (Signature) Received by: (Signature) Received by: (Signature) Received by: (Signature) Received by: (Signature) | te 2.21.2 te 1122 te | Tir | ne | _ | Nece | iveu | nince: | 9 | ,/ IN | | | |
| 7 S 95 2.21.2020 | 11.50 Pains 2000 2 | וכבו | 20 | 9:21 | _ | Т1 | | | тэ | | | тэ | |
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| | | | | | | | | °c_4 | | | | | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported unless | Cc | ontainer ' | Type: g | - glass | p - po | sla/vic | astic. a | g - ambe | er glas | s. v - V | OA | | |





Analytical Report

Report Summary

Client: Grizzly Energy

Samples Received: 2/28/2020 Job Number: 19054-0003 Work Order: P002097

Project Name/Location: State LA

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise. Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported. Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Grizzly Energy 4001 Penbrook Suite 201 Odessa TX, 79762 Project Name:

State LA

Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 03/02/20 14:21

Analytical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| Composite Mix 1 | P002097-01A | Soil | 02/26/20 | 02/28/20 | Glass Jar, 4 oz. |
| Composite Mix 2 | P002097-02A | Soil | 02/26/20 | 02/28/20 | Glass Jar, 4 oz. |
| SW1 | P002097-03A | Soil | 02/26/20 | 02/28/20 | Glass Jar, 4 oz. |
| SW2 | P002097-04A | Soil | 02/26/20 | 02/28/20 | Glass Jar, 4 oz. |
| SW3 | P002097-05A | Soil | 02/26/20 | 02/28/20 | Glass Jar, 4 oz. |
| SW4 | P002097-06A | Soil | 02/26/20 | 02/28/20 | Glass Jar, 4 oz. |
| SW5 | P002097-07A | Soil | 02/26/20 | 02/28/20 | Glass Jar, 4 oz. |
| SW6 | P002097-08A | Soil | 02/26/20 | 02/28/20 | Glass Jar, 4 oz. |

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Grizzly Energy 4001 Penbrook Suite 201

Odessa TX, 79762

Project Name:

State LA

Project Number: Project Manager: 19054-0003 Natalie Gladden **Reported:** 03/02/20 14:21

Composite Mix 1 P002097-01 (Solid)

| | | P0020 | 97-01 (Solid | .) | | | | | |
|---|--------|-----------|--------------|----------|---------|----------|----------|--------------------|-------|
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg 1 | | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg 1 | | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg 1 | | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg 1 | | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg 1 | | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg 1 | | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 101 % | 50-15 | 0 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/6 | ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg 1 | | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg 1 | | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 112 % | 50-20 | 0 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg 1 | | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 92.2 % | 50-15 | 0 | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 194 | 20.0 | mg/kg 1 | | 2009037 | 02/28/20 | 02/28/20 | EPA 300.0/9056A | |

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Grizzly Energy Project Name:

State LA

4001 Penbrook Suite 201 Project Number:
Odessa TX, 79762 Project Manager:

19054-0003 Natalie Gladden **Reported:** 03/02/20 14:21

Composite Mix 2 P002097-02 (Solid)

| | | 1 0020 | 97-02 (3011 | u) | | | | | |
|---|--------|-----------|-------------|----------|---------|----------|----------|--------------------|-------|
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 103 % | 50-1. | 50 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO | /ORO | | | | | | | | |
| Diesel Range Organics (C10-C28) | 102 | 25.0 | mg/kg | 1 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 95.7 | 50.0 | mg/kg | 1 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 95.1 % | 50-20 | 00 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO |) | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 93.1 % | 50-1. | 50 | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 36.3 | 20.0 | mg/kg | 1 | 2009037 | 02/28/20 | 02/28/20 | EPA 300.0/9056A | |

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Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 03/02/20 14:21

SW1 P002097-03 (Solid)

| | | 10020 | <i>71</i> -03 (30 | iiuj | | | | | |
|--|--------|-----------|-------------------|----------|---------|----------|----------|--------------------|-------|
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 104 % | 50- | 150 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/OR | 0 | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 89.3 % | 50- | 200 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 92.9 % | 50- | 150 | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 112 | 20.0 | mg/kg | 1 | 2009037 | 02/28/20 | 02/28/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 03/02/20 14:21

SW2 P002097-04 (Solid)

| | | 1 0020 | 97-04 (3011 | uj | | | | | |
|---|--------|-----------|-------------|----------|---------|----------|----------|--------------------|-------|
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 104 % | 50-1 | 50 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/O | RO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 90.7 % | 50-2 | 00 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.6 % | 50-1 | 50 | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 112 | 20.0 | mg/kg | 1 | 2009037 | 02/28/20 | 02/28/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 03/02/20 14:21

SW3 P002097-05 (Solid)

| | | | 97-05 (Sol | id) | | | | | |
|---|--------|-----------|------------|----------|---------|----------|----------|--------------------|-------|
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 105 % | 50- | 150 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO | ORO . | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 79.5 % | 50-2 | 200 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.6 % | 50- | 150 | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 78.4 | 20.0 | mg/kg | 1 | 2009037 | 02/28/20 | 02/28/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 03/02/20 14:21

SW4 P002097-06 (Solid)

| | | 10020 | <i>71</i> -00 (30 | iiuj | | | | | |
|--|--------|-----------|-------------------|----------|---------|----------|----------|--------------------|-------|
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 104 % | 50- | 150 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/OR | 0 | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 79.7 % | 50- | 200 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 93.6 % | 50- | -150 | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 141 | 20.0 | mg/kg | 1 | 2009037 | 02/28/20 | 02/28/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 03/02/20 14:21

SW5 P002097-07 (Solid)

| | | P0020 | 97-07 (50110 | 1) | | | | | |
|--|--------|-----------|--------------|----------|---------|----------|----------|--------------------|-------|
| | · | Reporting | · | | | · | | | · |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg 1 | I | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg 1 | I | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg 1 | I | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg 1 | I | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg 1 | I | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg 1 | I | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 93.6 % | 50-15 | :0 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/OF | RO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg 1 | l | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg 1 | l | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 82.9 % | 50-20 | 00 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg 1 | l | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 87.1 % | 50-15 | 0 | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 386 | 40.0 | mg/kg 2 | 2 | 2009037 | 02/28/20 | 02/28/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 03/02/20 14:21

SW6

P002097-08 (Solid)

| | | P0020 | 97-08 (501 | iu) | | | | | |
|---|--------|-----------|------------|----------|---------|----------|----------|--------------------|-------|
| | | Reporting | · | | | | | | · |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Toluene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Ethylbenzene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| p,m-Xylene | ND | 0.0500 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| o-Xylene | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Total Xylenes | ND | 0.0250 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 99.8 % | 50-1 | 50 | 2009035 | 02/28/20 | 02/28/20 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/O | RO | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: n-Nonane | | 104 % | 50-2 | 000 | 2009034 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 87.6 % | 50-1 | 50 | 2009035 | 02/28/20 | 02/28/20 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 50.3 | 20.0 | mg/kg | 1 | 2009037 | 02/28/20 | 02/28/20 | EPA 300.0/9056A | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Project Name:

State LA

4001 Penbrook Suite 201 Project Number:
Odessa TX, 79762 Project Manager:

19054-0003 Natalie Gladden **Reported:** 03/02/20 14:21

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--|--------|--------------|-------|------------|-----------|--------------|----------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 2009035 - Purge and Trap EPA 5030A | | | | | | | | | | |
| Blank (2009035-BLK1) | | | | Prepared & | Analyzed: | : 02/28/20 1 | 1 | | | |
| Benzene | ND | 0.0250 | mg/kg | | | | | | | |
| Toluene | ND | 0.0250 | " | | | | | | | |
| Ethylbenzene | ND | 0.0250 | " | | | | | | | |
| p,m-Xylene | ND | 0.0500 | " | | | | | | | |
| o-Xylene | ND | 0.0250 | " | | | | | | | |
| Total Xylenes | ND | 0.0250 | " | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.40 | | " | 8.00 | | 105 | 50-150 | | | |
| LCS (2009035-BS1) | | | | Prepared & | Analyzed: | 02/28/20 | 1 | | | |
| Benzene | 4.96 | 0.0250 | mg/kg | 5.00 | | 99.1 | 70-130 | | | |
| Toluene | 4.97 | 0.0250 | " | 5.00 | | 99.4 | 70-130 | | | |
| Ethylbenzene | 4.97 | 0.0250 | " | 5.00 | | 99.3 | 70-130 | | | |
| p,m-Xylene | 9.92 | 0.0500 | " | 10.0 | | 99.2 | 70-130 | | | |
| o-Xylene | 4.98 | 0.0250 | " | 5.00 | | 99.6 | 70-130 | | | |
| Total Xylenes | 14.9 | 0.0250 | " | 15.0 | | 99.3 | 0-200 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.51 | | " | 8.00 | | 106 | 50-150 | | | |
| Matrix Spike (2009035-MS1) | Sour | ce: P002081- | 01 | Prepared & | Analyzed: | 02/28/20 | 1 | | | |
| Benzene | 4.89 | 0.0250 | mg/kg | 5.00 | ND | 97.7 | 54.3-133 | | | |
| Toluene | 4.89 | 0.0250 | " | 5.00 | ND | 97.9 | 61.4-130 | | | |
| Ethylbenzene | 4.89 | 0.0250 | " | 5.00 | ND | 97.7 | 61.4-133 | | | |
| p,m-Xylene | 9.76 | 0.0500 | " | 10.0 | ND | 97.6 | 63.3-131 | | | |
| o-Xylene | 4.89 | 0.0250 | " | 5.00 | ND | 97.9 | 63.3-131 | | | |
| Total Xylenes | 14.7 | 0.0250 | " | 15.0 | ND | 97.7 | 0-200 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.57 | | " | 8.00 | | 107 | 50-150 | | | |
| Matrix Spike Dup (2009035-MSD1) | Sour | ce: P002081- | 01 | Prepared & | Analyzed: | 02/28/20 | 1 | | | |
| Benzene | 5.01 | 0.0250 | mg/kg | 5.00 | ND | 100 | 54.3-133 | 2.42 | 20 | |
| Toluene | 4.98 | 0.0250 | " | 5.00 | ND | 99.6 | 61.4-130 | 1.78 | 20 | |
| Ethylbenzene | 4.97 | 0.0250 | " | 5.00 | ND | 99.4 | 61.4-133 | 1.71 | 20 | |
| p,m-Xylene | 9.92 | 0.0500 | " | 10.0 | ND | 99.2 | 63.3-131 | 1.64 | 20 | |
| o-Xylene | 4.97 | 0.0250 | " | 5.00 | ND | 99.4 | 63.3-131 | 1.57 | 20 | |
| Total Xylenes | 14.9 | 0.0250 | " | 15.0 | ND | 99.3 | 0-200 | 1.62 | 200 | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.43 | | " | 8.00 | | 105 | 50-150 | | | |
| · · | | | | | | | | | | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Project Name:

State LA

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 03/02/20 14:21

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---|--------|---------------|-------|-------------|--------------|-------------|------------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 2009034 - DRO Extraction EPA 3570 | | | | | | | | | | |
| Blank (2009034-BLK1) | | | | Prepared & | አ Analyzed: | 02/28/20 | [| | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | | | | | | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | " | | | | | | | |
| Surrogate: n-Nonane | 49.5 | | " | 50.0 | | 99.0 | 50-200 | | | |
| LCS (2009034-BS1) | | | | Prepared & | k Analyzed: | 02/28/20 | l | | | |
| Diesel Range Organics (C10-C28) | 436 | 25.0 | mg/kg | 500 | | 87.1 | 38-132 | | | |
| Surrogate: n-Nonane | 47.9 | | " | 50.0 | | 95.9 | 50-200 | | | |
| Matrix Spike (2009034-MS1) | Sou | rce: P002097- | 01 | Prepared: (| 02/28/20 1 A | Analyzed: (| 03/02/20 1 | | | |
| Diesel Range Organics (C10-C28) | 528 | 25.0 | mg/kg | 500 | ND | 106 | 38-132 | | | |
| Surrogate: n-Nonane | 58.0 | | " | 50.0 | | 116 | 50-200 | | | |
| Matrix Spike Dup (2009034-MSD1) | Sou | rce: P002097- | 01 | Prepared: (| 02/28/20 1 A | Analyzed: (| 03/02/20 1 | | | |
| Diesel Range Organics (C10-C28) | 514 | 25.0 | mg/kg | 500 | ND | 103 | 38-132 | 2.65 | 20 | |
| Surrogate: n-Nonane | 58.5 | | " | 50.0 | | 117 | 50-200 | | | |
| | | | | | | | | | | |

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

Reporting

20.0

47.0

7.51

State LA

Spike

50.0

8.00

ND

94.1

93.9

70-130

50-150

2.34

Source

4001 Penbrook Suite 201 Odessa TX, 79762

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 03/02/20 14:21

RPD

20

%REC

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|--|--------|-------------|-------|------------|-----------|------------|--------|-----|-------|-------|
| Batch 2009035 - Purge and Trap EPA 5030A | | | | | | | | | | |
| Blank (2009035-BLK1) | | | | Prepared & | Analyzed: | 02/28/20 1 | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.53 | | " | 8.00 | | 94.1 | 50-150 | | | |
| LCS (2009035-BS2) | | | | Prepared & | Analyzed: | 02/28/20 1 | | | | |
| Gasoline Range Organics (C6-C10) | 47.6 | 20.0 | mg/kg | 50.0 | | 95.3 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.58 | | " | 8.00 | | 94.8 | 50-150 | | | |
| Matrix Spike (2009035-MS2) | Sourc | e: P002081- | 01 | Prepared & | Analyzed: | 02/28/20 1 | | | | |
| Gasoline Range Organics (C6-C10) | 46.0 | 20.0 | mg/kg | 50.0 | ND | 91.9 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.61 | | " | 8.00 | | 95.1 | 50-150 | | | |
| Matrix Spike Dup (2009035-MSD2) | Source | e: P002081- | 01 | Prepared & | Analyzed: | 02/28/20 1 | | | | |

mg/kg

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

Reporting

State LA

Spike

4001 Penbrook Suite 201 Odessa TX, 79762 Project Number: 19054-0003 Project Manager: Natalie Gladden **Reported:** 03/02/20 14:21

RPD

%REC

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|---|-----------|------------|-------|------------|-----------|------------|--------|------|-------|-------|
| Batch 2009037 - Anion Extraction EPA 30 | 0.0/9056A | | | | | | | | | |
| Blank (2009037-BLK1) | | | | Prepared & | Analyzed: | 02/28/20 1 | | | | |
| Chloride | ND | 20.0 | mg/kg | | | | | | | |
| LCS (2009037-BS1) | | | | Prepared & | Analyzed: | 02/28/20 1 | | | | |
| Chloride | 247 | 20.0 | mg/kg | 250 | | 98.9 | 90-110 | | | |
| Matrix Spike (2009037-MS1) | Source | : P002097- | 01 | Prepared & | Analyzed: | 02/28/20 1 | | | | |
| Chloride | 448 | 20.0 | mg/kg | 250 | 194 | 101 | 80-120 | | | |
| Matrix Spike Dup (2009037-MSD1) | Source | : P002097- | 01 | Prepared & | Analyzed: | 02/28/20 1 | | | | |
| Chloride | 441 | 20.0 | mg/kg | 250 | 194 | 98.9 | 80-120 | 1.48 | 20 | |

QC Summary Report

Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values my differ slightly.

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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Grizzly Energy Project Name: State LA

4001 Penbrook Suite 201Project Number:19054-0003Reported:Odessa TX, 79762Project Manager:Natalie Gladden03/02/20 14:21

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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5796 Highway 64, Farmington, NM 87401

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Chain of Custody

| | 1/ |
|----|----|
| of | 1 |
| | of |

| Client: | | Attention: Watau Glad | | | | | | Use Only | | | | AT | E | PA Progra | m | | | |
|-----------------|-----------------|-----------------------|------------------|-----------------------------|--|---------------|------------------|-----------------|--------------|---------------|-------------|----------------|--------------------|------------|----------|----------------|-------------------------------------|------------------------|
| Project: 5 | | LA | | | Attention: Watau Glad | dell | Lab | WO# | | | Job I | Vum | ber | 1D, | 3D | RCRA | CWA | SDWA |
| Project M | lanager: | | | | Address: | | Po | 02 | 09 | 7 | 190 | Sc | 1-0003 | X | | | | |
| Address: | | | | | City, State, Zip | | | | | | Analy | sis ar | nd Method | d | | | | ate |
| City, State | e, Zip | | | | Phone: | | | | | | | | | | | | NM CO | UT AZ |
| Phone: | | | | | Email: Na addle his | non-boys | TE | 115 | | | | | 1 | | | | | |
| Email: | | | | | | 0 | 39 80 | λ 8(| 21 | 0 | 0 | 0.0 | | 5 | | | TX OK | |
| Report du | ie ph: | | | | | | RO | ROF | y 80 | 826 | 601 | e 30 | | Z | × | | | |
| Time Sampled | Date Sampled | Matrix | No Containers | Sample ID | | Lab Number | DRO/ORO by 80 IS | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | | BGDOC - NM | BGDOC | | Rem | narks |
| 9:33 | 2/21/21 | 75 | 1 | composite | mix 1 | 1 | | | | | | | | 4 | 0 | | | |
| 9:59 | 2/26/20 | / | 1 | composito | niv 2 | 2 | | | | | | | | 6 | | - | | |
| 10:21 | 1/24/20 | | | swi | | 3 | | | | | | | | 4 |) | | | |
| 10:38 | Propo | | | SNA | | 4 | | | | | | | | V | | | | |
| 10:49 | hupo | | | 5W3 | | 5 | | | | | | | | 4 | | | | |
| 10:57 | 1/26/20 | 4 | | SWY | | 6 | | | | | | | | Y | | | | |
| 11:11 | 1/24/20 | | | SWS | | 7 | | | | | | | | 1 | | | | |
| 11:20 | 1/26/20 | 1 | 1 | SWU | | 8 | | | | | | | | 1 | | | | |
| | | | | | | | | | | | | | | | | | | |
| Additiona | al Instruct | ions: | | | | 24-20 | | | | | | | | | | | | |
| | | | | this sample. I am aware the | nat tampering with or intentionally mislabelling the sar | | | | | | | | Section 10 Section | | | | day they are san subsequent days | Charles and the second |
| Relinquished | e ele | E | Date | IT 20 Time | Received by (Signature) | Ma Date 27 | 120 | Time | | | Rece | ived | on ice: | - | b Us | e Only | | |
| Relinquished | 4 des | 11) ATX | | 27/20 Time | | 5 2-27-2 | 2020 | Time | 24 | 9 | <u>T1</u> | | | <u>T2</u> | | | <u>T3</u> | |
| Relinquished | d by: (Signal | ture) | Date Z | 28-20 11 | 25 Walter Turk | 2/28/2 | - | Time | 141 | | AVG | Tem | np °C _ | 1 | | | | |
| | | | | queous, O - Other | | Container | | | | p - pc | oly/pla | astic, | ag - ambe | er glas | | | | |
| | | | | | er arrangements are made. Hazardous samples ity of the laboratory is limited to the amount pa | | ent or | dispos | ed of a | t the c | lient ex | pense | . The report | for the | e analy: | sis of the abo | ve samples is | applicable |





Analytical Report

Report Summary

Client: Grizzly Energy Samples Received: 8/13/2020

Job Number: 19054-0002 Work Order: P008035

Project Name/Location: State LA

| Report Reviewed By: | Walter Hinkman | Date: | 8/19/20 | |
|---------------------|--------------------------------------|-------|---------|--|
| | Walter Hinchman, Laboratory Director | _ | | |



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.

Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.

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Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.

Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.



Sample Summary

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| FL1 | P008035-01A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL2 | P008035-02A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL3 | P008035-03A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL4 | P008035-04A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL5 | P008035-05A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL6 | P008035-06A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL7 | P008035-07A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL8 | P008035-08A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL9 | P008035-09A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL10 | P008035-10A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL11 | P008035-11A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL12 | P008035-12A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL13 | P008035-13A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL14 | P008035-14A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL15 | P008035-15A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL16 | P008035-16A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL17 | P008035-17A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL18 | P008035-18A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL19 | P008035-19A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL20 | P008035-20A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |
| FL21 | P008035-21A | Soil | 08/03/20 | 08/13/20 | Glass Jar, 4 oz. |

FL1 P008035-01 (Solid)

| | | 000000 01 (801 | ", | | | | |
|--|--------|----------------|---------------|----------|----------|--------|---------|
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| o,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/14/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 90.7 % | 50-150 | 08/14/20 | 08/14/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 90.7 % | 50-150 | 08/14/20 | 08/14/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033036 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/15/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: n-Nonane | | 110 % | 50-200 | 08/14/20 | 08/15/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 225 | 20.0 | 1 | 08/14/20 | 08/14/20 | | |
| | | | | | | | |

FL2 P008035-02 (Solid)

| | | Reporting | | | | | |
|--|--------|-----------|----------|----------|----------|--------|---------|
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| o,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/14/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 97.9 % | 50-150 | 08/14/20 | 08/14/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 89.9 % | 50-150 | 08/14/20 | 08/14/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033036 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/15/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: n-Nonane | | 106 % | 50-200 | 08/14/20 | 08/15/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 258 | 20.0 | 1 | 08/14/20 | 08/14/20 | | |

FL3 P008035-03 (Solid)

| | | ` | | | | | |
|--|--------|-----------|----------|----------|----------|--------|---------|
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/14/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 97.4 % | 50-150 | 08/14/20 | 08/14/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 92.2 % | 50-150 | 08/14/20 | 08/14/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033036 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/15/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 11 | 08/14/20 | 08/15/20 | | |
| Surrogate: n-Nonane | | 110 % | 50-200 | 08/14/20 | 08/15/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 233 | 20.0 | 1 | 08/14/20 | 08/14/20 | | |

FL4 P008035-04 (Solid)

| | | 0000000 0. (2011 | | | | | |
|--|--------|------------------|----------|----------|----------|--------|---------|
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| o,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/14/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 97.2 % | 50-150 | 08/14/20 | 08/14/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 92.0 % | 50-150 | 08/14/20 | 08/14/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033036 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/15/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: n-Nonane | | 108 % | 50-200 | 08/14/20 | 08/15/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 266 | 20.0 | 1 | 08/14/20 | 08/14/20 | | |

FL5 P008035-05 (Solid)

| | | ` | | | | | |
|--|--------|-----------|----------|----------|----------|--------|---------|
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/14/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 98.0 % | 50-150 | 08/14/20 | 08/14/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.3 % | 50-150 | 08/14/20 | 08/14/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033036 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/15/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: n-Nonane | | 112 % | 50-200 | 08/14/20 | 08/15/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 224 | 20.0 | 1 | 08/14/20 | 08/14/20 | | |

FL6 P008035-06 (Solid)

| | | ` | | | | | |
|--|--------|-----------|----------|----------|----------|--------|---------|
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/14/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 98.0 % | 50-150 | 08/14/20 | 08/14/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.0 % | 50-150 | 08/14/20 | 08/14/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033036 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/15/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: n-Nonane | | 110 % | 50-200 | 08/14/20 | 08/15/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 225 | 20.0 | 1 | 08/14/20 | 08/14/20 | | |

FL7 P008035-07 (Solid)

| | | Reporting | | | | | |
|--|--------|-----------|----------|----------|----------|--------|---------|
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| o,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/14/20 | | |
| p-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 97.2 % | 50-150 | 08/14/20 | 08/14/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.9 % | 50-150 | 08/14/20 | 08/14/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033036 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/15/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: n-Nonane | | 113 % | 50-200 | 08/14/20 | 08/15/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 228 | 20.0 | 1 | 08/14/20 | 08/14/20 | | |

FL8 P008035-08 (Solid)

| | | 000000000000000000000000000000000000000 | ", | | | | |
|--|--------|---|---------------|----------|----------|--------|---------|
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| o,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/15/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 98.5 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.6 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033036 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/15/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: n-Nonane | | 108 % | 50-200 | 08/14/20 | 08/15/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 230 | 20.0 | 1 | 08/14/20 | 08/14/20 | | |
| | | | | | | | |

FL9 P008035-09 (Solid)

| | | Reporting | | | | | |
|--|--------|-----------|----------|----------|----------|--------|---------|
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| o,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/15/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 97.8 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.0 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033036 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/15/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: n-Nonane | | 107 % | 50-200 | 08/14/20 | 08/15/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 268 | 20.0 | 1 | 08/14/20 | 08/14/20 | | |

FL10 P008035-10 (Solid)

| | | ` | <i>'</i> | | | | |
|--|--------|-----------|----------|----------|----------|--------|---------|
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/15/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 98.8 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 92.5 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033036 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/15/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: n-Nonane | | 110 % | 50-200 | 08/14/20 | 08/15/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 258 | 20.0 | 1 | 08/14/20 | 08/14/20 | | |

FL11 P008035-11 (Solid)

| | | 000000 11 (8011 | " , | | | | |
|--|--------|-----------------|----------------|----------|----------|--------|---------|
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| o,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/15/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 99.0 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.1 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033036 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/15/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: n-Nonane | | 112 % | 50-200 | 08/14/20 | 08/15/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 222 | 20.0 | 1 | 08/14/20 | 08/14/20 | | |
| | | | | | | | |

FL12 P008035-12 (Solid)

| | | ` | <i>'</i> | | | | |
|--|--------|-----------|----------|----------|----------|--------|---------|
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/15/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 97.7 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 90.3 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033032 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/14/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: n-Nonane | | 92.6 % | 50-200 | 08/14/20 | 08/14/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 251 | 20.0 | 1 | 08/14/20 | 08/14/20 | • | • |

FL13 P008035-13 (Solid)

| | | Reporting | | | | | |
|--|--------|-----------|----------|----------|----------|--------|---------|
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| o,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/15/20 | | |
| p-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| urrogate: 4-Bromochlorobenzene-PID | | 99.0 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.9 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033032 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/14/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: n-Nonane | | 97.4 % | 50-200 | 08/14/20 | 08/14/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 273 | 20.0 | 1 | 08/14/20 | 08/14/20 | | |

FL14 P008035-14 (Solid)

| | | 000055-14 (5011 | ·u) | | | | |
|--|--------|-----------------|----------|----------|----------|--------|---------|
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/15/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 99.5 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.6 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033032 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/14/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: n-Nonane | | 100 % | 50-200 | 08/14/20 | 08/14/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 240 | 20.0 | 1 | 08/14/20 | 08/14/20 | | |
| | | | | | | | |

FL15 P008035-15 (Solid)

| | 1 | 100) 21 220000 | <i>u,</i> | | | | |
|--|--------|----------------|-----------|----------|----------|--------|---------|
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/15/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 100 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 90.8 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033032 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/14/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: n-Nonane | | 101 % | 50-200 | 08/14/20 | 08/14/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 263 | 20.0 | 1 | 08/14/20 | 08/14/20 | | |
| | | | | | | | |

FL16 P008035-16 (Solid)

| | | 00005 10 (501 | <i>u,</i> | | | | |
|--|--------|---------------|-----------|----------|----------|--------|---------|
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/15/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 101 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 90.2 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033032 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/14/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: n-Nonane | | 98.9 % | 50-200 | 08/14/20 | 08/14/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 220 | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| | | | | | | | |

FL17 P008035-17 (Solid)

| | | Reporting | | | | | |
|--|--------|-----------|----------|----------|----------|--------|---------|
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| o,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/15/20 | | |
| p-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 99.7 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 90.7 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033032 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/14/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: n-Nonane | | 100 % | 50-200 | 08/14/20 | 08/14/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 277 | 20.0 | 1 | 08/14/20 | 08/15/20 | | |

FL18 P008035-18 (Solid)

| | | 000000 10 (801 | ", | | | | |
|--|--------|----------------|---------------|----------|----------|--------|---------|
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| o,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/15/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 99.2 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 90.9 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033032 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/14/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: n-Nonane | | 102 % | 50-200 | 08/14/20 | 08/14/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 275 | 20.0 | 1 | 08/14/20 | 08/15/20 | | · |
| | | | | | | | |

FL19 P008035-19 (Solid)

| | | 100033-19 (3011 |) | | | | |
|--|--------|--------------------|----------|----------|----------|--------|---------|
| Analyte | Result | Reporting Limit | Dilution | Duamanad | Amalumad | Notes | |
| Analyte | Resuit | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| o,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/15/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 98.9 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 90.6 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033032 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/14/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: n-Nonane | | 102 % | 50-200 | 08/14/20 | 08/14/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 269 | 20.0 | 1 | 08/14/20 | 08/15/20 | | |

FL20 P008035-20 (Solid)

| | | 000000 20 (8011 | ", | | | | |
|--|--------|-----------------|---------------|----------|----------|--------|---------|
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| o,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/15/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 100 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.1 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033032 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/14/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: n-Nonane | | 104 % | 50-200 | 08/14/20 | 08/14/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033040 |
| Chloride | 209 | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| | | | | | | | |

FL21 P008035-21 (Solid)

| | | ` | | | | | |
|--|--------|-----------|----------|----------|----------|--------|---------|
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | | | Batch: | 2033042 |
| Benzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Toluene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/14/20 | 08/15/20 | | |
| o-Xylene | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 99.5 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | | | Batch: | 2033042 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/14/20 | 08/15/20 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 89.9 % | 50-150 | 08/14/20 | 08/15/20 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | | | Batch: | 2033032 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/14/20 | 08/14/20 | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 08/14/20 | 08/14/20 | | |
| Surrogate: n-Nonane | | 106 % | 50-200 | 08/14/20 | 08/14/20 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | | | Batch: | 2033045 |
| Chloride | 233 | 20.0 | 1 | 08/14/20 | 08/17/20 | | |

Grizzly Energy Project Name: State LA 4001 Penbrook Suite 201 19054-0002 Project Number: Reported: Odessa TX, 79762 08/19/20 15:04 Project Manager: Daniel Dominguez

| voiat | ne Organics | DY EPA 80 | 121B - Qua | nty Con | troi | | | | |
|--------|-------------|-----------|------------|---------|--------|-----|-------|-------|--|
| | Reporting | Spike | Source | | REC | | RPD | | |
| Result | Limit | Level | Decult | REC | Limits | RPD | Limit | Notes | |

| | 7014 | the Organics | by Elitto | ZID Qu | anty Con | 11101 | | | |
|-------------------------------------|--------|--------------|-----------|--------|-----------|-----------|----------|----------------|--------------------|
| | | Reporting | Spike | Source | | REC | | RPD | |
| Analyte | Result | Limit | Level | Result | REC | Limits | RPD | Limit | Notes |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| Blank (2033035-BLK1) | | | | | | | Prepared | : 08/14/20 0 A | Analyzed: 08/14/20 |
| Benzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.74 | | 8.00 | | 96.7 | 50-150 | | | |
| LCS (2033035-BS1) | | | | | | | Prepared | : 08/14/20 0 A | Analyzed: 08/14/20 |
| Benzene | 4.80 | 0.0250 | 5.00 | | 95.9 | 70-130 | | | |
| Toluene | 5.00 | 0.0250 | 5.00 | | 99.9 | 70-130 | | | |
| Ethylbenzene | 4.97 | 0.0250 | 5.00 | | 99.4 | 70-130 | | | |
| p,m-Xylene | 9.87 | 0.0500 | 10.0 | | 98.7 | 70-130 | | | |
| o-Xylene | 4.89 | 0.0250 | 5.00 | | 97.8 | 70-130 | | | |
| Total Xylenes | 14.8 | 0.0250 | 15.0 | | 98.4 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.81 | | 8.00 | | 97.6 | 50-150 | | | |
| Matrix Spike (2033035-MS1) | | | | | Source: P | 008035-01 | Prepared | : 08/14/20 0 A | Analyzed: 08/14/20 |
| Benzene | 4.91 | 0.0250 | 5.00 | ND | 98.2 | 54-133 | | | |
| Toluene | 5.13 | 0.0250 | 5.00 | ND | 103 | 61-130 | | | |
| Ethylbenzene | 5.07 | 0.0250 | 5.00 | ND | 101 | 61-133 | | | |
| p,m-Xylene | 10.1 | 0.0500 | 10.0 | ND | 101 | 63-131 | | | |
| o-Xylene | 4.96 | 0.0250 | 5.00 | ND | 99.2 | 63-131 | | | |
| Total Xylenes | 15.0 | 0.0250 | 15.0 | ND | 100 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.78 | | 8.00 | | 97.3 | 50-150 | | | |
| Matrix Spike Dup (2033035-MSD1) | | | | | Source: P | 008035-01 | Prepared | : 08/14/20 0 A | Analyzed: 08/14/20 |
| Benzene | 4.83 | 0.0250 | 5.00 | ND | 96.7 | 54-133 | 1.50 | 20 | |
| Toluene | 5.04 | 0.0250 | 5.00 | ND | 101 | 61-130 | 1.74 | 20 | |
| Ethylbenzene | 5.02 | 0.0250 | 5.00 | ND | 100 | 61-133 | 1.14 | 20 | |
| p,m-Xylene | 9.95 | 0.0500 | 10.0 | ND | 99.5 | 63-131 | 1.06 | 20 | |
| o-Xylene | 4.95 | 0.0250 | 5.00 | ND | 99.1 | 63-131 | 0.156 | 20 | |
| Total Xylenes | 14.9 | 0.0250 | 15.0 | ND | 99.3 | 63-131 | 0.757 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.79 | | 8.00 | | 97.4 | 50-150 | | | |
| | | | | | | | | | |



5.18

5.14

5.03

15.2

7.35

Toluene

Ethylbenzene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

p,m-Xylene

o-Xylene

0.0250

0.0250

0.0500

0.0250

0.0250

Grizzly Energy Project Name: State LA
4001 Penbrook Suite 201 Project Number: 19054-0002 Reported:
Odessa TX, 79762 Project Manager: Daniel Dominguez 08/19/20 15:04

| | Volat | tile Organics | by EPA 80 |)21B - Qu | iality Cor | ntrol | | | |
|-------------------------------------|--------|---------------|-----------|-----------|------------|-----------|----------|-----------------|--------------------|
| | | Reporting | Spike | Source | | REC | | RPD | |
| Analyte | Result | Limit | Level | Result | REC | Limits | RPD | Limit | Notes |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| Blank (2033042-BLK1) | | | | | | | Prepared | l: 08/14/20 1 A | Analyzed: 08/17/20 |
| Benzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.88 | | 8.00 | | 98.5 | 50-150 | | | |
| LCS (2033042-BS1) | | | | | | | Prepared | l: 08/14/20 1 A | Analyzed: 08/17/20 |
| Benzene | 4.75 | 0.0250 | 5.00 | | 94.9 | 70-130 | | | |
| Toluene | 5.04 | 0.0250 | 5.00 | | 101 | 70-130 | | | |
| Ethylbenzene | 5.02 | 0.0250 | 5.00 | | 100 | 70-130 | | | |
| p,m-Xylene | 9.97 | 0.0500 | 10.0 | | 99.7 | 70-130 | | | |
| o-Xylene | 4.94 | 0.0250 | 5.00 | | 98.8 | 70-130 | | | |
| Total Xylenes | 14.9 | 0.0250 | 15.0 | | 99.4 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.86 | | 8.00 | | 98.3 | 50-150 | | | |
| Matrix Spike (2033042-MS1) | | | | | Source: P | 008045-01 | Prepared | l: 08/14/20 1 A | Analyzed: 08/17/20 |
| Benzene | 4.87 | 0.0250 | 5.00 | ND | 97.4 | 54-133 | | | |
| Toluene | 5.12 | 0.0250 | 5.00 | ND | 102 | 61-130 | | | |
| Ethylbenzene | 5.15 | 0.0250 | 5.00 | ND | 103 | 61-133 | | | |
| p,m-Xylene | 10.2 | 0.0500 | 10.0 | ND | 102 | 63-131 | | | |
| o-Xylene | 5.05 | 0.0250 | 5.00 | ND | 101 | 63-131 | | | |
| Total Xylenes | 15.3 | 0.0250 | 15.0 | ND | 102 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.45 | | 8.00 | | 93.2 | 50-150 | | | |
| Matrix Spike Dup (2033042-MSD1) | | | | | Source: P | 008045-01 | Prepared | l: 08/14/20 1 A | Analyzed: 08/17/20 |
| Benzene | 4.88 | 0.0250 | 5.00 | ND | 97.7 | 54-133 | 0.233 | 20 | |
| | | | | | | | | | |

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101

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61-130

61-133

63-131

63-131

63-131

50-150

1.03

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Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

| Analyte | Result | Reporting Limit | Spike Level | Source Result | REC | REC Limits | RPD | RPD Limit | Notes |
|---|--------|--------------------|----------------|------------------|-----------|---------------|----------|--------------|----------------------|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| Blank (2033035-BLK1) | | | | | | | Prepared | : 08/14/20 0 | Analyzed: 08/14/20 1 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.37 | | 8.00 | | 92.2 | 50-150 | | | |
| LCS (2033035-BS2) | | | | | | | Prepared | : 08/14/20 0 | Analyzed: 08/14/20 1 |
| Gasoline Range Organics (C6-C10) | 53.1 | 20.0 | 50.0 | | 106 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.40 | | 8.00 | | 92.5 | 50-150 | | | |
| Matrix Spike (2033035-MS2) | | | | | Source: P | 008035-01 | Prepared | : 08/14/20 0 | Analyzed: 08/14/20 1 |
| Gasoline Range Organics (C6-C10) | 51.6 | 20.0 | 50.0 | ND | 103 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.37 | | 8.00 | | 92.1 | 50-150 | | | |
| Matrix Spike Dup (2033035-MSD2) | | | | | Source: P | 008035-01 | Prepared | : 08/14/20 0 | Analyzed: 08/14/20 1 |
| Gasoline Range Organics (C6-C10) | 52.2 | 20.0 | 50.0 | ND | 104 | 70-130 | 1.10 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.35 | | 8.00 | | 91.9 | 50-150 | | | |





Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

| Analyte | Result | Reporting Limit | Spike Level | Source Result | REC | REC Limits | RPD | RPD Limit | Notes |
|---|--------|--------------------|----------------|------------------|-----------|---------------|----------|-----------------|----------------------|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | 110100 |
| Blank (2033042-BLK1) | | | | | | | Prepared | l: 08/14/20 1 A | Analyzed: 08/17/20 1 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.30 | | 8.00 | | 91.3 | 50-150 | | | |
| LCS (2033042-BS2) | | | | | | | Prepared | l: 08/14/20 1 A | Analyzed: 08/17/20 1 |
| Gasoline Range Organics (C6-C10) | 53.0 | 20.0 | 50.0 | | 106 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.35 | | 8.00 | | 91.8 | 50-150 | | | |
| Matrix Spike (2033042-MS2) | | | | | Source: P | 008045-01 | Prepared | l: 08/14/20 1 A | Analyzed: 08/17/20 1 |
| Gasoline Range Organics (C6-C10) | 54.1 | 20.0 | 50.0 | ND | 108 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.22 | | 8.00 | | 90.2 | 50-150 | | | |
| Matrix Spike Dup (2033042-MSD2) | | | | | Source: P | 008045-01 | Prepared | l: 08/14/20 1 A | Analyzed: 08/17/20 2 |
| Gasoline Range Organics (C6-C10) | 54.3 | 20.0 | 50.0 | ND | 109 | 70-130 | 0.319 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.20 | | 8.00 | | 90.1 | 50-150 | | | |



Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

| Analyte | Result | Reporting Limit | Spike Level | Source Result | REC | REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|--------------------|----------------|------------------|------------|---------------|----------|--------------|----------------------|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| Blank (2033032-BLK1) | | | | | | | Prepared | : 08/14/20 0 | Analyzed: 08/14/20 1 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 52.4 | | 50.0 | | 105 | 50-200 | | | |
| LCS (2033032-BS1) | | | | | | | Prepared | : 08/14/20 0 | Analyzed: 08/14/20 1 |
| Diesel Range Organics (C10-C28) | 481 | 25.0 | 500 | | 96.2 | 38-132 | | | |
| Surrogate: n-Nonane | 51.2 | | 50.0 | | 102 | 50-200 | | | |
| Matrix Spike (2033032-MS1) | | | | | Source: Po | 008041-01 | Prepared | : 08/14/20 0 | Analyzed: 08/14/20 1 |
| Diesel Range Organics (C10-C28) | 498 | 25.0 | 500 | ND | 99.6 | 38-132 | | | |
| Surrogate: n-Nonane | 46.7 | | 50.0 | | 93.4 | 50-200 | | | |
| Matrix Spike Dup (2033032-MSD1) | | | | | Source: Po | 008041-01 | Prepared | : 08/14/20 0 | Analyzed: 08/14/20 1 |
| Diesel Range Organics (C10-C28) | 499 | 25.0 | 500 | ND | 99.8 | 38-132 | 0.184 | 20 | |
| Surrogate: n-Nonane | 46.4 | | 50.0 | | 92.8 | 50-200 | | | |



Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

| | | - 8 7 | | | | <u> </u> | | | |
|---------------------------------|--------|--------------------|----------------|------------------|------------|---------------|----------|--------------|----------------------|
| Analyte | Result | Reporting Limit | Spike Level | Source Result | REC | REC Limits | RPD | RPD Limit | Notes |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| Blank (2033036-BLK1) | | | | | | | Prepared | : 08/14/20 0 | Analyzed: 08/14/20 2 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 53.5 | | 50.0 | | 107 | 50-200 | | | |
| LCS (2033036-BS1) | | | | | | | Prepared | : 08/14/20 0 | Analyzed: 08/15/20 (|
| Diesel Range Organics (C10-C28) | 470 | 25.0 | 500 | | 94.0 | 38-132 | | | |
| Surrogate: n-Nonane | 54.4 | | 50.0 | | 109 | 50-200 | | | |
| Matrix Spike (2033036-MS1) | | | | | Source: Po | 008033-01 | Prepared | : 08/14/20 0 | Analyzed: 08/15/20 (|
| Diesel Range Organics (C10-C28) | 471 | 25.0 | 500 | ND | 94.3 | 38-132 | | | |
| Surrogate: n-Nonane | 51.3 | | 50.0 | | 103 | 50-200 | | | |
| Matrix Spike Dup (2033036-MSD1) | | | | | Source: Po | 008033-01 | Prepared | : 08/14/20 0 | Analyzed: 08/15/20 |
| Diesel Range Organics (C10-C28) | 477 | 25.0 | 500 | ND | 95.4 | 38-132 | 1.13 | 20 | |
| Surrogate: n-Nonane | 53.4 | | 50.0 | | 107 | 50-200 | | | |

Anions by EPA 300.0/9056A - Quality Control

| Analyte | Result | Reporting Limit | Spike Level | Source Result | REC | REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|--------------------|----------------|------------------|-----------|---------------|----------|---------------|------------|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| Blank (2033040-BLK1) | | | | | | | Prepared | l & Analyzed: | 08/14/20 1 |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2033040-BS1) | | | | | | | Prepared | l & Analyzed: | 08/14/20 1 |
| Chloride | 260 | 20.0 | 250 | | 104 | 90-110 | | | |
| Matrix Spike (2033040-MS1) | | | | | Source: P | 008035-01 | Prepared | l & Analyzed: | 08/14/20 1 |
| Chloride | 502 | 20.0 | 250 | 225 | 111 | 80-120 | | | |
| Matrix Spike Dup (2033040-MSD1) | | | | | Source: P | 008035-01 | Prepared | l & Analyzed: | 08/14/20 1 |
| Chloride | 432 | 20.0 | 250 | 225 | 82.8 | 80-120 | 15.1 | 20 | |

| Anions by EPA 300.0/9056A - Quality Co |
|--|
|--|

| Analyte | Result | Reporting Limit | Spike Level | Source Result | REC | REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|--------------------|----------------|------------------|------------|---------------|----------|--------------|----------------------|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| Blank (2033045-BLK1) | | | | | | | Prepared | : 08/14/20 1 | Analyzed: 08/17/20 1 |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2033045-BS1) | | | | | | | Prepared | : 08/14/20 1 | Analyzed: 08/17/20 1 |
| Chloride | 253 | 20.0 | 250 | | 101 | 90-110 | | | |
| Matrix Spike (2033045-MS1) | | | | | Source: Po | 008045-01 | Prepared | : 08/14/20 1 | Analyzed: 08/17/20 1 |
| Chloride | 294 | 20.0 | 250 | 39.0 | 102 | 80-120 | | | |
| Matrix Spike Dup (2033045-MSD1) | | | | | Source: Po | 008045-01 | Prepared | : 08/14/20 1 | Analyzed: 08/17/20 1 |
| Chloride | 294 | 20.0 | 250 | 39.0 | 102 | 80-120 | 0.116 | 20 | |

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values my differ slightly.





Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: GY172011

Project Manager: Tanjel Dominus

Matrix

Containers

Project: State

Address:

Phone:

Time

Sampled

City, State, Zip

Report due by:

Email: VW16

Date

Sampled

3/2

Additional Instructions:

15/3/

Bill To

Attention: - Paid -

Address:

Phone:

Email:

Sample ID

, (field sampler), attest 🗗 the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or

City, State, Zip

SDWA

EPA Program

CWA

TX OK

State

NM CO UT AZ

Remarks

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| ample Matrix: S - Soil, Sd - Solid, Sg - S | | ADATA PROPERTY OF THE PARTY OF | 2 | | | poly/plastic, ag - amber glass, | | _ |
| ote: Samples are discarded 30 days a nly to those samples received by the | fter results are repo laboratory with this | orted unless other a COC. The liability | rrangements are made. Hazardous samples wil of the laboratory is limited to the amount paid | I be returned to clie for on the report. | ent or disposed of at th | e client expense. The report for the a | analysis of the above samples is applicabl | le |
| Chanvi | rote | ch | | | .50 | and Link Service at Table 2 to Service | envirotech-inc com | = |

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| | Anal | ytical | Labo | ratory |

time of collection is considered fraud and may be grounds for legal action. Sampled by:

Lab Use Only

Lab WO#

DRO/ORO by 8015 GRO/DRO by 8015

Lab

Number

BTEX by 8021 VOC by 8260 Metals 6010

8.12.2020 1525 Received on ice:

Job Number

Chloride 300.0

Analysis and Method

TAT

1D 3D

BGDOC - NM

BGDOC - TX

iamples requiring thermal preservation must be received on ice the day they are sampled or eceived packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

RCRA

Received by: (Signature)

Client Grizzle

Lab Use Only

TAT

Bill To

EPA Program

| 35 |
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| ō |
| 34 |
| Page |

Page 281 of 287

| Project: State JUA | | Attention: | | Lab | WO | † | | Job I | Vumb | per | 1D | 3D | RCRA | CWA | SE | AWC |
|--|--------------------------------|--|---------------------|-----------------|-----------------|-------------|-------------|-------------|---------------|--------------|------------|----------|----------------|-------------------------------------|---------|-------|
| | MINENEZ | Address: | | PC | De | 30 | _ | 1190 | 121 | -0003 | | | | | | |
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| Additional Instructions: | | | | | | | | | | | 1 | | | | | |
| I, (field sampler), attest to the validity and authentic | | at tampering with or intentionally mislabelling the sample | e location, date or | | | | | | | | | | | e day they are sa subsequent day | | |
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| Sample Matrix: S. Soil Ed. Solid Sa. Studen | A Aquiquis C Other | | Container | Tuna | | alacc | n r | | Tem | | r ala | | VOA | | | |
| | sults are reported unless othe | r arrangements are made. Hazardous samples will ty of the laboratory is limited to the amount paid f | | ient or | dispos | sed of a | p - po | lient ex | pense. | The report | for the | e analys | sis of the abo | ove samples i | s appli | cable |
| - | | | on the report. | | | | | | | | | (| | | | |
| enviro | tech | 5796 US Highway 64, Farmington, NM 87401 | | | _ | Р | h (505) | 632-188 | 1 Fx (5 | 05) 632-186 | 5 | · Le | | rotech-inc co wirotech inc | | |



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| ditional Instructions: | | | | | | | | | | | | | | |
| eld_sampler), attest to the validity and authenticity of this sample. I am aware | that tampering with or intentionally midshalling the county law | ation data or | | | | F | Samples | requiring | thermal pres | servation | n must he re | ceived on ice | he day they are sa | moled or |
| e of collection is considered fraud and may be grounds for legal action. Sampl | | ation, date of | | | | | | | | | | | n subsequent day | |
| linguished by: (Signature) Date Time | | Date | | Time | | | | | | | Lab He | e Only | | |
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| mple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | Container | Type | : g - g | lass, p | _ | _ | | | oer gl | ass, v - | VOA | | |
| ote: Samples are discarded 30 days after results are reported unless of | her arrangements are made. Hazardous samples will be | returned to cli | ent or | dispose | ed of at | the cl | ient ex | pense. | The repo | rt for t | he analy | sis of the ab | ove samples i | s applicable |
| ly to those samples received by the laboratory with this COC. The lia | pility of the laboratory is limited to the amount paid for o | n the report. | | | | | | | | | | | | 2.00 |

Attachment V NMOCD Form C-141 Remediation and Closure Pages

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Topographic/Aerial maps

☐ Laboratory data including chain of custody

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|----------------|----------------|
| Incident ID | NCE2002946094 |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

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

| What is the shallowest depth to groundwater beneath the area affected by the release? | 51'-100' (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? | | |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ⊠ No | |
| Did the release impact areas not on an exploration, development, production, or storage site? | ☐ Yes ⊠ No | |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. | | |
| Characterization Report Checklist: Each of the following items must be included in the report. | | |
| Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs | | |
| Note: Photographs including date and GIS information | | |

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 | NCE2002946094 |
|----------------|---------------|
| District RP | |
| Facility ID | |
| Application ID | |

| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | | |
|--|------------------------------|--|
| Printed Name: Carmen E Pitt | Title: Senior EHS Specialist | |
| Signature: Carmen EPätt | Date: 9/14/2020 | |
| email: cpitt@grizzlyenergyllc.com | Telephone: 432-248-8145 | |
| | | |
| OCD Only | | |
| Received by: | Date: | |

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

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|----------------|---------------|
| District RP | |
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| Application ID | |

Remediation Plan

| Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) | | |
|---|-----------------------------------|--|
| Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. | | |
| Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. | | |
| Extents of contamination must be fully delineated. | | |
| Contamination does not cause an imminent risk to human health, the environment, or groundwater. | | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Carmen E Pitt Title: Senior EHS Specialist | | |
| Signature: Carmen Pitt | | |
| email: _cpitt@grizzlyenergyllc.com | Telephone: 432-248-8145 | |
| OCD Only | | |
| Received by: | Date: | |
| Approved | Approval Denied Deferral Approved | |
| Signature: | Date: | |

Received by OCD: 9/14/2020 10:46:57 AM Form C-141 State of New Mexico Page 6 Oil Conservation Division Incident ID NCE2002946094
District RP
Facility ID
Application ID

Closure

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

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

| A scaled site and sampling diagram as described in 19.15.29.11 NMAC | | |
|---|---|--|
| Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) | | |
| ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) | | |
| Description of remediation activities | | |
| | | |
| and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of | ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete. Title: Senior EHS Specialist | |
| eman. <u>1 0e 3 es</u> | Telephone. | |
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| OCD Only | | |
| Received by: | Date: | |
| Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. | | |
| Closure Approved by: | Date: | |
| Printed Name: | Title: | |