

**Breitburn Operating, LP
AKA Maverick Natural Resources LLC
Jalmat Field Yates Unit 225**

Closure Report

**Section 10, 22S, 35E
Lea County, New Mexico**

1RP-5365

September 6, 2019



Prepared for:

**Maverick Resources
PO Box 678
Andrews, TX**

By:

**Safety & Environmental Solutions, Inc.
703 East Clinton
Hobbs, New Mexico 88240
(575) 397-0510**

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I. Company Contacts

| Representative | Company | Telephone | E-mail |
|----------------|--------------------|--------------|--|
| Thomas Haigood | Maverick Resources | 432-701-7802 | Thomas.haigood@mavresources.com |
| Bob Allen | SESI | 575-397-0510 | ballen@sesi-nm.com |

II. Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by Maverick Resources to assess a spill area on the Jalmat #225 Flowline location, concerning a seventeen (17) bbl. release comprised of crude oil and produced water. This site is situated in Lea County, Section 10, Township 22S and Range 35E.

According to the C-141: A bullet struck the poly flow line that originates from the Jalmat #225 Flowing to the production facility, there was an approximate 17 bbl release of produced water. A Trimble Juno 3B handheld was used to map the spill area. Whereby, the total area of impact was estimated to be 18,000 sq. ft.

II. Surface and Ground Water

According to research of the website for the New Mexico Office of the State Engineer records; there is no record of groundwater in the immediate vicinity of the site location. However, the records indicated an average depth to water of 185' bgs. for Township 22S and Range 35E.

IV. Characterization

The site has been remediated according to the NMOCD NMAC 19.15.29 published guidelines (July 24, 2018). The site ranking and soil screening levels as presented in the table below:

| Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l | Constituent | Method* | Limit** |
|---|-------------------|----------------------------------|--------------|
| <50 feet | Chloride*** | EPA 300.0 or SM4500 Cl B | 600 mg/kg |
| | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015B | 100 mg/kg |
| | BTEX | EPA SW-846 Method 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 Method 8021B or 8260B | 10 mg/kg |
| 51 feet-100 feet | Chloride*** | EPA 300.0 or SM4500 Cl B | 10,000 mg/kg |
| | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015B | 2,500 mg/kg |
| | BTEX | EPA SW-846 Method 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 Method 8021B or 8260B | 10 mg/kg |
| >100 feet | Chloride*** | EPA 300.0 or SM4500 Cl B | 20,000 mg/kg |
| | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015B | 2,500 mg/kg |
| | BTEX | EPA SW-846 Method 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 Method 8021B or 8260B | 10 mg/kg |

V. Work Performed

On February 08, 2019 Maverick personnel took proactive measures to prevent further impact to the spill site. TMI services was contracted excavate approximately 46 yards of saturated soil and transport for disposal at Sundance Disposal facility.

On March 14, 2019 SESI personnel together with equipment and personnel from Custom Welding of Hobbs, NM were on site to advance test trenches for purposes of soil delineation and screening. The impacted area was assessed for proper placement of test trenches, mapped and photographed. It was determined that 5 Test Trenches would be adequate for horizontal and vertical delineation of the impacted area. Soil samples were retrieved at surface and advanced in 1 ft. increments. The samples were properly packaged, preserved, and transported to Hall Laboratories for analyses of Chloride (CL Method 300.0 Anions), Total Petroleum Hydrocarbons (TPH Method 8015), and Benzene, Toluene, Ethylbenzene, and Xylene (BTEX Method 8021B). The table below is a recap of the results from the hall Laboratory Analyses (Appendix C)

| Hall Laboratory, Inc 3-14-19 | | | | |
|-------------------------------------|-----------------|------------|------------|-------------|
| SAMPLE ID | Chloride | DRO | GRO | BTEX |
| TT-1 Surface | 730 | 21000 | 9000 | ND |
| TT1 @ 1ft | 640 | 6600 | 710 | ND |
| TT-1 @ 2ft | 1000 | 29 | ND | ND |
| TT-1 @ 3ft | 560 | ND | ND | ND |
| TT-1 @ 4ft | 520 | 14 | ND | ND |
| TT-2 Surface | 150 | 25000 | 11000 | ND |
| TT-2 @ 1ft | 210 | 14 | ND | ND |
| TT-2 @ 2ft | 130 | 61 | ND | ND |
| TT-3 Surface | 960 | 19000 | 190 | ND |
| TT-3 @ 1ft | 410 | ND | ND | ND |
| TT-4 Surface | 300 | 36000 | 81 | ND |
| TT-4 @ 1ft | ND | 31 | ND | ND |
| TT-5 Surface | 210 | 32000 | 12 | ND |
| TT-5 @ 1ft | 860 | 110 | ND | ND |
| TT-5 @ 2ft | 300 | 150 | ND | ND |
| Background | ND | ND | ND | ND |

On June 25, 2019: based on the above soil analyses, and depth to groundwater: NMOCD representatives approved the following remediation protocol:
The impacted area was excavated to depths whereby soil screening levels for chloride constituency >600 ppm., and TPH screening levels of >1,000 ppm. All impacted soil transported to Sundance Landfill (an NMOCD approved facility). The area backfilled with 4 ft of clean topsoil and reseeded.

On July 29th thru July 31, 2019 SESI personnel, together with personnel and equipment excavated the impacted area until no visual signs or odor of petroleum could be ascertained. All impacted soil was stockpiled for removal, and transport of impacted soil to Sundance Disposal commences. Sidewall, and bottom soil samples are grabbed. A composite sample of the spoils pile is retrieved, packaged, preserved, and transported to Hall Laboratories for analyses of Chloride (CL Method 300.0 Anions), and Total Petroleum Hydrocarbons (TPH Method 8015). The table below is a recap of the results from the Hall Laboratory Analyses (Appendix C)

| SAMPLE ID | Chloride | DRO | MRO | GRO |
|--------------|----------|-----|-----|-----|
| SP1 @ 4ft | 500 | 74 | 61 | ND |
| SP2 @ Bottom | 110 | 170 | 140 | ND |
| SP3 @ Bottom | 110 | 26 | 46 | ND |
| Spoils | 100 | 890 | 680 | ND |
| N Wall @ 1ft | ND | ND | ND | ND |
| SW Sidewall | ND | ND | ND | ND |
| SE Sidewall | ND | 23 | ND | ND |

On August 13, 2019 SESI personnel together with personnel and equipment from Custom Welding return to the site in order to further excavate center of impacted area where visual staining from recent rain event caused hydrocarbon leaching to surface of excavation (photo documentation). Upon removal of soil containing staining and or odor, SESI representative contacted NMOCD representative Mr. Rose-Coss and advised him of excavation and dangers to livestock with an open excavation. He gave conditional permission to begin backfilling activity. Additional sidewall and bottom soil samples are grabbed from the center most area of the excavation now at 4ft bgs., packaged, preserved, and transported to Hall Laboratories for analyses of Chloride (CL Method 300.0 Anions), and Total Petroleum Hydrocarbons (TPH Method 8015). The table below is a recap of the results from the Hall Laboratory Analyses (Appendix C).

| SAMPLE ID | Chloride | DRO | GRO |
|---------------------|----------|------|-----|
| W. Sidewall #1 | 690 | 49 | ND |
| Sidewall @ 2ft | 540 | 9.6 | ND |
| SP2 East Wall | 920 | 1400 | 21 |
| SP3 SW @ 4ft | 380 | 24 | ND |
| E Sidewall @ 2ft | 380 | 580 | ND |
| W Sidewall @ 2ft | 74 | 280 | ND |
| E SE Sidewall @ 4ft | 700 | 80 | ND |

On August 16, 2019 and based on the results from Hall laboratories: SESI together with equipment and personnel from Custom Welding of Hobbs return to the site in order to further excavate the East and West Sidewalls respectively. An additional foot of sidewall is advanced from the East-southeast wall as well as the West Sidewall. Backfill with clean native topsoil is complete. Soil samples are grabbed, packaged, and preserved, for transport to Hall Laboratories via Chain of Custody and analyzed for Chloride (CL Method 300.0 Anions), and Total Petroleum Hydrocarbons (TPH Method 8015). The table below is a recap of the results from the Hall Laboratory Analyses (Appendix C).

| SAMPLE ID | Chloride | DRO | MRO | GRO |
|---------------------|----------|-----|-----|-----|
| SP2 E Wall (B) | ND | 86 | 79 | ND |
| W Sidewall #1 (B) | ND | NA | NA | NA |
| E SE Sidewall @ 5ft | ND | NA | NA | NA |

VI. Conclusions

The spill area was excavated and remediated to the NMOCD approved work plan protocol. All impacted soil was transported to Sundance Disposal of Eunice, NM (an NMOCD approved facility) for disposal. According to the disposal manifests a total of 1,540 yards of impacted soil were disposed of. Local soil was transported in for backfill material of the excavated area. The pasture area was restored with 4ft of clean native topsoil, terraced to dunal feature and reseeded in order to promote re-vegetation.

SESI, on behalf of Maverick Resources respectfully submits this closure report for your consideration and conclusion of the associated remediation permit.

VII. Figures & Appendices

- Figure 1 – Site Plan
- Appendix A – Site Photographs
- Appendix B – C-141
- Appendix C – Analytical

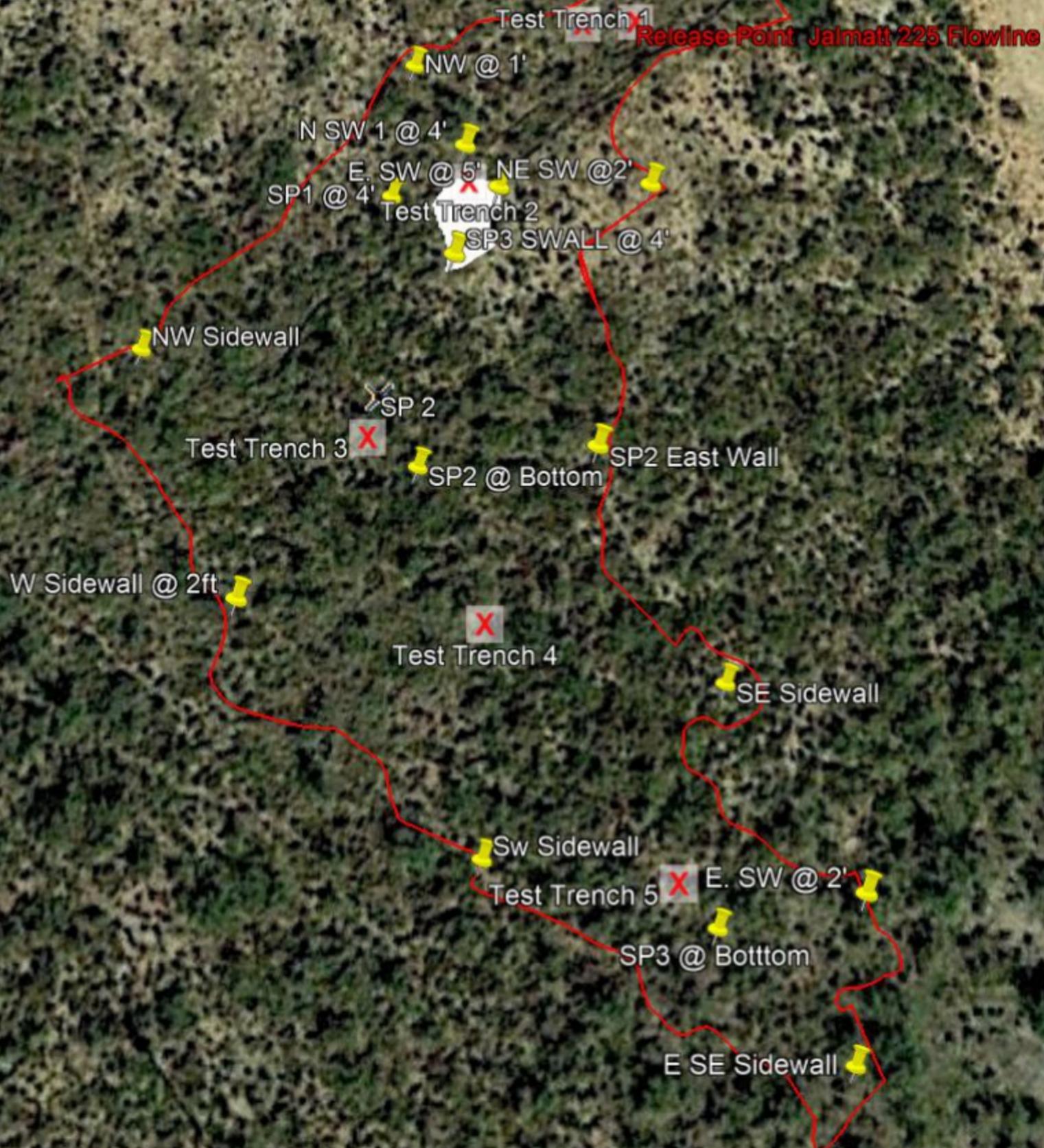
Figure 1
Site Map

Maverick Jalmat 225 Flowline

Remediation Site Map

Legend

- Center Excavation
- Final Samples
- Test Trenches
- Excavation



Appendix A

Site Photographs

**Breitburn
Jalmat #225**



Excavation NE at Flowline (source)



West Sidewall



Entire excavation (center at 5' bgs)

**Breitburn
Jalmat #225
Completion**



Appendix B
C-141

| | |
|----------------|--|
| Incident ID | |
| 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

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

Printed Name: Thomas Haigood Title: Permian HSE Specialist
 Signature:  Date: 09/06/2019
 email: Thomas.haigood@maverickresources.com Telephone: (432) 701-7802

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: _____

Appendix C

Analytical Data

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1903729**

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-1 Surface

Project: Jalmat 225

Collection Date: 3/14/2019 8:45:00 AM

Lab ID: 1903729-001

Matrix: SOIL

Received Date: 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 730 | 60 | | mg/Kg | 20 | 3/18/2019 4:31:53 PM | 43722 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 21000 | 490 | | mg/Kg | 50 | 3/18/2019 12:29:50 PM | 43711 |
| Motor Oil Range Organics (MRO) | 9000 | 2500 | | mg/Kg | 50 | 3/18/2019 12:29:50 PM | 43711 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 50 | 3/18/2019 12:29:50 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 1400 | 250 | | mg/Kg | 50 | 3/18/2019 8:32:26 AM | 43708 |
| Surr: BFB | 243 | 73.8-119 | S | %Rec | 50 | 3/18/2019 8:32:26 AM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 1.2 | D | mg/Kg | 50 | 3/18/2019 8:32:26 AM | 43708 |
| Toluene | ND | 2.5 | D | mg/Kg | 50 | 3/18/2019 8:32:26 AM | 43708 |
| Ethylbenzene | ND | 2.5 | D | mg/Kg | 50 | 3/18/2019 8:32:26 AM | 43708 |
| Xylenes, Total | 62 | 5.0 | D | mg/Kg | 50 | 3/18/2019 8:32:26 AM | 43708 |
| Surr: 4-Bromofluorobenzene | 112 | 80-120 | D | %Rec | 50 | 3/18/2019 8:32:26 AM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Detection Limit |
| | S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903729

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-1 1ft

Project: Jalmat 225

Collection Date: 3/14/2019 8:50:00 AM

Lab ID: 1903729-002

Matrix: SOIL

Received Date: 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 640 | 61 | | mg/Kg | 20 | 3/18/2019 5:09:06 PM | 43722 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 6600 | 98 | | mg/Kg | 10 | 3/18/2019 1:18:23 PM | 43711 |
| Motor Oil Range Organics (MRO) | 2300 | 490 | | mg/Kg | 10 | 3/18/2019 1:18:23 PM | 43711 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 10 | 3/18/2019 1:18:23 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 710 | 100 | | mg/Kg | 20 | 3/18/2019 8:39:59 PM | 43708 |
| Surr: BFB | 268 | 73.8-119 | S | %Rec | 20 | 3/18/2019 8:39:59 PM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.50 | D | mg/Kg | 20 | 3/18/2019 8:39:59 PM | 43708 |
| Toluene | ND | 1.0 | D | mg/Kg | 20 | 3/18/2019 8:39:59 PM | 43708 |
| Ethylbenzene | ND | 1.0 | D | mg/Kg | 20 | 3/18/2019 8:39:59 PM | 43708 |
| Xylenes, Total | 30 | 2.0 | D | mg/Kg | 20 | 3/18/2019 8:39:59 PM | 43708 |
| Surr: 4-Bromofluorobenzene | 106 | 80-120 | D | %Rec | 20 | 3/18/2019 8:39:59 PM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Detection Limit |
| | S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903729

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-1 2ft

Project: Jalmat 225

Collection Date: 3/14/2019 9:10:00 AM

Lab ID: 1903729-003

Matrix: SOIL

Received Date: 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1000 | 60 | | mg/Kg | 20 | 3/18/2019 9:17:16 PM | 43728 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 29 | 9.6 | | mg/Kg | 1 | 3/19/2019 1:15:54 PM | 43711 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 3/19/2019 1:15:54 PM | 43711 |
| Surr: DNOP | 81.8 | 70-130 | | %Rec | 1 | 3/19/2019 1:15:54 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 3/18/2019 2:48:31 PM | 43708 |
| Surr: BFB | 94.9 | 73.8-119 | | %Rec | 1 | 3/18/2019 2:48:31 PM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 3/18/2019 2:48:31 PM | 43708 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 3/18/2019 2:48:31 PM | 43708 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 3/18/2019 2:48:31 PM | 43708 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 3/18/2019 2:48:31 PM | 43708 |
| Surr: 4-Bromofluorobenzene | 97.2 | 80-120 | | %Rec | 1 | 3/18/2019 2:48:31 PM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | |
|--------------------|---|---|-------------|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank | |
| | D Sample Diluted Due to Matrix | E Value above quantitation range | |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits | Page 3 of 0 |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range | |
| | PQL Practical Quantitative Limit | RL Reporting Detection Limit | |
| | S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903729

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-1 3ft

Project: Jalmat 225

Collection Date: 3/14/2019 9:20:00 AM

Lab ID: 1903729-004

Matrix: SOIL

Received Date: 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 560 | 59 | | mg/Kg | 20 | 3/18/2019 10:19:20 PM | 43728 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 3/21/2019 3:28:22 PM | 43711 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 3/21/2019 3:28:22 PM | 43711 |
| Surr: DNOP | 79.2 | 70-130 | | %Rec | 1 | 3/21/2019 3:28:22 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 3/18/2019 4:45:55 PM | 43708 |
| Surr: BFB | 95.0 | 73.8-119 | | %Rec | 1 | 3/18/2019 4:45:55 PM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 3/18/2019 4:45:55 PM | 43708 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 3/18/2019 4:45:55 PM | 43708 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 3/18/2019 4:45:55 PM | 43708 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 3/18/2019 4:45:55 PM | 43708 |
| Surr: 4-Bromofluorobenzene | 99.6 | 80-120 | | %Rec | 1 | 3/18/2019 4:45:55 PM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Qualifiers: | | | |
|-------------|---|----|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903729

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-1 4ft

Project: Jalmat 225

Collection Date: 3/14/2019 9:45:00 AM

Lab ID: 1903729-005

Matrix: SOIL

Received Date: 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 520 | 60 | | mg/Kg | 20 | 3/18/2019 10:31:44 PM | 43728 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 24 | 9.9 | | mg/Kg | 1 | 3/25/2019 12:05:48 PM | 43711 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 3/25/2019 12:05:48 PM | 43711 |
| Surr: DNOP | 105 | 70-130 | | %Rec | 1 | 3/25/2019 12:05:48 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 3/18/2019 5:09:08 PM | 43708 |
| Surr: BFB | 92.8 | 73.8-119 | | %Rec | 1 | 3/18/2019 5:09:08 PM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 3/18/2019 5:09:08 PM | 43708 |
| Toluene | ND | 0.046 | | mg/Kg | 1 | 3/18/2019 5:09:08 PM | 43708 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 3/18/2019 5:09:08 PM | 43708 |
| Xylenes, Total | ND | 0.092 | | mg/Kg | 1 | 3/18/2019 5:09:08 PM | 43708 |
| Surr: 4-Bromofluorobenzene | 97.7 | 80-120 | | %Rec | 1 | 3/18/2019 5:09:08 PM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Qualifiers: | | | |
|-------------|---|----|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903729

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-2 Surface

Project: Jalmat 225

Collection Date: 3/14/2019 10:00:00 AM

Lab ID: 1903729-006

Matrix: SOIL

Received Date: 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1500 | 60 | | mg/Kg | 20 | 3/18/2019 10:44:09 PM | 43728 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 25000 | 500 | | mg/Kg | 50 | 3/18/2019 2:07:06 PM | 43711 |
| Motor Oil Range Organics (MRO) | 11000 | 2500 | | mg/Kg | 50 | 3/18/2019 2:07:06 PM | 43711 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 50 | 3/18/2019 2:07:06 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 160 | 25 | | mg/Kg | 5 | 3/18/2019 10:13:28 PM | 43708 |
| Surr: BFB | 332 | 73.8-119 | S | %Rec | 5 | 3/18/2019 10:13:28 PM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.12 | | mg/Kg | 5 | 3/18/2019 10:13:28 PM | 43708 |
| Toluene | 0.26 | 0.25 | | mg/Kg | 5 | 3/18/2019 10:13:28 PM | 43708 |
| Ethylbenzene | 0.82 | 0.25 | | mg/Kg | 5 | 3/18/2019 10:13:28 PM | 43708 |
| Xylenes, Total | 6.3 | 0.49 | | mg/Kg | 5 | 3/18/2019 10:13:28 PM | 43708 |
| Surr: 4-Bromofluorobenzene | 115 | 80-120 | | %Rec | 5 | 3/18/2019 10:13:28 PM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | |
|--------------------|---|---|-------------|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank | |
| | D Sample Diluted Due to Matrix | E Value above quantitation range | |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits | Page 6 of 0 |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range | |
| | PQL Practical Quantitative Limit | RL Reporting Detection Limit | |
| | S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903729

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-2 1ft

Project: Jalmat 225

Collection Date: 3/14/2019 10:15:00 AM

Lab ID: 1903729-007

Matrix: SOIL

Received Date: 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 210 | 61 | | mg/Kg | 20 | 3/18/2019 10:56:34 PM | 43728 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 14 | 10 | | mg/Kg | 1 | 3/19/2019 2:28:12 PM | 43711 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 3/19/2019 2:28:12 PM | 43711 |
| Surr: DNOP | 81.1 | 70-130 | | %Rec | 1 | 3/19/2019 2:28:12 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 3/18/2019 5:32:21 PM | 43708 |
| Surr: BFB | 96.7 | 73.8-119 | | %Rec | 1 | 3/18/2019 5:32:21 PM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 3/18/2019 5:32:21 PM | 43708 |
| Toluene | ND | 0.046 | | mg/Kg | 1 | 3/18/2019 5:32:21 PM | 43708 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 3/18/2019 5:32:21 PM | 43708 |
| Xylenes, Total | ND | 0.093 | | mg/Kg | 1 | 3/18/2019 5:32:21 PM | 43708 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 3/18/2019 5:32:21 PM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | |
|--------------------|---|---|-------------|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank | |
| | D Sample Diluted Due to Matrix | E Value above quantitation range | |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits | Page 7 of 0 |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range | |
| | PQL Practical Quantitative Limit | RL Reporting Detection Limit | |
| | S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903729

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-2 2ft

Project: Jalmat 225

Collection Date: 3/14/2019 10:30:00 AM

Lab ID: 1903729-008

Matrix: SOIL

Received Date: 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 130 | 60 | | mg/Kg | 20 | 3/18/2019 11:08:59 PM | 43728 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 59 | 9.9 | | mg/Kg | 1 | 3/25/2019 12:27:55 PM | 43711 |
| Motor Oil Range Organics (MRO) | 75 | 50 | | mg/Kg | 1 | 3/25/2019 12:27:55 PM | 43711 |
| Surr: DNOP | 68.3 | 70-130 | S | %Rec | 1 | 3/25/2019 12:27:55 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 3/18/2019 5:55:40 PM | 43708 |
| Surr: BFB | 93.0 | 73.8-119 | | %Rec | 1 | 3/18/2019 5:55:40 PM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 3/18/2019 5:55:40 PM | 43708 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 3/18/2019 5:55:40 PM | 43708 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 3/18/2019 5:55:40 PM | 43708 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 3/18/2019 5:55:40 PM | 43708 |
| Surr: 4-Bromofluorobenzene | 97.7 | 80-120 | | %Rec | 1 | 3/18/2019 5:55:40 PM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | |
|--------------------|---|---|-------------|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank | |
| | D Sample Diluted Due to Matrix | E Value above quantitation range | |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits | Page 8 of 0 |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range | |
| | PQL Practical Quantitative Limit | RL Reporting Detection Limit | |
| | S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified | |

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-3 Surface**Project:** Jalmat 225**Collection Date:** 3/14/2019 10:40:00 AM**Lab ID:** 1903729-009**Matrix:** SOIL**Received Date:** 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 960 | 60 | | mg/Kg | 20 | 3/18/2019 11:21:24 PM | 43728 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 19000 | 490 | | mg/Kg | 50 | 3/18/2019 2:55:40 PM | 43711 |
| Motor Oil Range Organics (MRO) | 7900 | 2500 | | mg/Kg | 50 | 3/18/2019 2:55:40 PM | 43711 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 50 | 3/18/2019 2:55:40 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 190 | 24 | | mg/Kg | 5 | 3/18/2019 11:00:38 PM | 43708 |
| Surr: BFB | 434 | 73.8-119 | S | %Rec | 5 | 3/18/2019 11:00:38 PM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.12 | | mg/Kg | 5 | 3/18/2019 11:00:38 PM | 43708 |
| Toluene | 0.30 | 0.24 | | mg/Kg | 5 | 3/18/2019 11:00:38 PM | 43708 |
| Ethylbenzene | 3.8 | 0.24 | | mg/Kg | 5 | 3/18/2019 11:00:38 PM | 43708 |
| Xylenes, Total | 6.1 | 0.48 | | mg/Kg | 5 | 3/18/2019 11:00:38 PM | 43708 |
| Surr: 4-Bromofluorobenzene | 137 | 80-120 | S | %Rec | 5 | 3/18/2019 11:00:38 PM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Qualifiers: | | | |
|-------------|---|----|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-3 1ft**Project:** Jalmat 225**Collection Date:** 3/14/2019 11:00:00 AM**Lab ID:** 1903729-010**Matrix:** SOIL**Received Date:** 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 410 | 60 | | mg/Kg | 20 | 3/18/2019 11:33:49 PM | 43728 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 3/19/2019 3:16:55 PM | 43711 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 3/19/2019 3:16:55 PM | 43711 |
| Surr: DNOP | 77.9 | 70-130 | | %Rec | 1 | 3/19/2019 3:16:55 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 3/18/2019 6:19:07 PM | 43708 |
| Surr: BFB | 97.2 | 73.8-119 | | %Rec | 1 | 3/18/2019 6:19:07 PM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 3/18/2019 6:19:07 PM | 43708 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 3/18/2019 6:19:07 PM | 43708 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 3/18/2019 6:19:07 PM | 43708 |
| Xylenes, Total | ND | 0.094 | | mg/Kg | 1 | 3/18/2019 6:19:07 PM | 43708 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 3/18/2019 6:19:07 PM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Qualifiers: | | | |
|-------------|---|----|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903729

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-4 Surface

Project: Jalmat 225

Collection Date: 3/14/2019 11:15:00 AM

Lab ID: 1903729-011

Matrix: SOIL

Received Date: 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 300 | 60 | | mg/Kg | 20 | 3/19/2019 12:03:58 PM | 43755 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 36000 | 500 | | mg/Kg | 50 | 3/18/2019 3:44:11 PM | 43711 |
| Motor Oil Range Organics (MRO) | 15000 | 2500 | | mg/Kg | 50 | 3/18/2019 3:44:11 PM | 43711 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 50 | 3/18/2019 3:44:11 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 81 | 9.7 | | mg/Kg | 2 | 3/18/2019 11:47:33 PM | 43708 |
| Surr: BFB | 390 | 73.8-119 | S | %Rec | 2 | 3/18/2019 11:47:33 PM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.049 | | mg/Kg | 2 | 3/18/2019 11:47:33 PM | 43708 |
| Toluene | 0.097 | 0.097 | | mg/Kg | 2 | 3/18/2019 11:47:33 PM | 43708 |
| Ethylbenzene | 0.98 | 0.097 | | mg/Kg | 2 | 3/18/2019 11:47:33 PM | 43708 |
| Xylenes, Total | 3.3 | 0.19 | | mg/Kg | 2 | 3/18/2019 11:47:33 PM | 43708 |
| Surr: 4-Bromofluorobenzene | 135 | 80-120 | S | %Rec | 2 | 3/18/2019 11:47:33 PM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Detection Limit |
| | S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-4 1ft**Project:** Jalmat 225**Collection Date:** 3/14/2019 11:30:00 AM**Lab ID:** 1903729-012**Matrix:** SOIL**Received Date:** 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 60 | | mg/Kg | 20 | 3/19/2019 12:16:23 PM | 43755 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 32 | 9.5 | | mg/Kg | 1 | 3/25/2019 12:49:59 PM | 43711 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 3/25/2019 12:49:59 PM | 43711 |
| Surr: DNOP | 96.7 | 70-130 | | %Rec | 1 | 3/25/2019 12:49:59 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 3/18/2019 6:42:36 PM | 43708 |
| Surr: BFB | 96.7 | 73.8-119 | | %Rec | 1 | 3/18/2019 6:42:36 PM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 3/18/2019 6:42:36 PM | 43708 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 3/18/2019 6:42:36 PM | 43708 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 3/18/2019 6:42:36 PM | 43708 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 3/18/2019 6:42:36 PM | 43708 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 3/18/2019 6:42:36 PM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Qualifiers: | | | |
|-------------|---|----|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903729

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-5 Surface

Project: Jalmat 225

Collection Date: 3/14/2019 11:45:00 AM

Lab ID: 1903729-013

Matrix: SOIL

Received Date: 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 210 | 60 | | mg/Kg | 20 | 3/19/2019 12:28:48 PM | 43755 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 32000 | 500 | | mg/Kg | 50 | 3/18/2019 4:32:47 PM | 43711 |
| Motor Oil Range Organics (MRO) | 15000 | 2500 | | mg/Kg | 50 | 3/18/2019 4:32:47 PM | 43711 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 50 | 3/18/2019 4:32:47 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 12 | 9.5 | | mg/Kg | 2 | 3/19/2019 12:34:43 AM | 43708 |
| Surr: BFB | 124 | 73.8-119 | S | %Rec | 2 | 3/19/2019 12:34:43 AM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.048 | D | mg/Kg | 2 | 3/19/2019 12:34:43 AM | 43708 |
| Toluene | ND | 0.095 | D | mg/Kg | 2 | 3/19/2019 12:34:43 AM | 43708 |
| Ethylbenzene | ND | 0.095 | D | mg/Kg | 2 | 3/19/2019 12:34:43 AM | 43708 |
| Xylenes, Total | 0.20 | 0.19 | D | mg/Kg | 2 | 3/19/2019 12:34:43 AM | 43708 |
| Surr: 4-Bromofluorobenzene | 99.3 | 80-120 | D | %Rec | 2 | 3/19/2019 12:34:43 AM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Detection Limit |
| | S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1903729**

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-5 1ft

Project: Jalmat 225

Collection Date: 3/14/2019 12:05:00 PM

Lab ID: 1903729-014

Matrix: SOIL

Received Date: 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 860 | 60 | | mg/Kg | 20 | 3/19/2019 12:41:12 PM | 43755 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 110 | 9.7 | | mg/Kg | 1 | 3/19/2019 4:06:24 PM | 43711 |
| Motor Oil Range Organics (MRO) | 58 | 49 | | mg/Kg | 1 | 3/19/2019 4:06:24 PM | 43711 |
| Surr: DNOP | 74.8 | 70-130 | | %Rec | 1 | 3/19/2019 4:06:24 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 3/18/2019 7:06:05 PM | 43708 |
| Surr: BFB | 95.2 | 73.8-119 | | %Rec | 1 | 3/18/2019 7:06:05 PM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 3/18/2019 7:06:05 PM | 43708 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 3/18/2019 7:06:05 PM | 43708 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 3/18/2019 7:06:05 PM | 43708 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 3/18/2019 7:06:05 PM | 43708 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 3/18/2019 7:06:05 PM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Detection Limit |
| | S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Safety & Environmental Solutions**Client Sample ID:** TT-5 2ft**Project:** Jalmat 225**Collection Date:** 3/14/2019 12:30:00 PM**Lab ID:** 1903729-015**Matrix:** SOIL**Received Date:** 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 300 | 60 | | mg/Kg | 20 | 3/19/2019 12:53:37 PM | 43755 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 150 | 9.6 | | mg/Kg | 1 | 3/19/2019 4:30:37 PM | 43711 |
| Motor Oil Range Organics (MRO) | 78 | 48 | | mg/Kg | 1 | 3/19/2019 4:30:37 PM | 43711 |
| Surr: DNOP | 78.6 | 70-130 | | %Rec | 1 | 3/19/2019 4:30:37 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 3/18/2019 7:29:33 PM | 43708 |
| Surr: BFB | 96.7 | 73.8-119 | | %Rec | 1 | 3/18/2019 7:29:33 PM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 3/18/2019 7:29:33 PM | 43708 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 3/18/2019 7:29:33 PM | 43708 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 3/18/2019 7:29:33 PM | 43708 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 3/18/2019 7:29:33 PM | 43708 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 3/18/2019 7:29:33 PM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Qualifiers: | | | |
|-------------|---|----|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903729

Date Reported:

CLIENT: Safety & Environmental Solutions

Client Sample ID: Background

Project: Jalmat 225

Collection Date: 3/14/2019 1:00:00 PM

Lab ID: 1903729-016

Matrix: SOIL

Received Date: 3/15/2019 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 60 | | mg/Kg | 20 | 3/19/2019 1:30:51 PM | 43755 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 3/19/2019 4:54:54 PM | 43711 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 3/19/2019 4:54:54 PM | 43711 |
| Surr: DNOP | 81.0 | 70-130 | | %Rec | 1 | 3/19/2019 4:54:54 PM | 43711 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 3/18/2019 7:53:01 PM | 43708 |
| Surr: BFB | 95.1 | 73.8-119 | | %Rec | 1 | 3/18/2019 7:53:01 PM | 43708 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 3/18/2019 7:53:01 PM | 43708 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 3/18/2019 7:53:01 PM | 43708 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 3/18/2019 7:53:01 PM | 43708 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 3/18/2019 7:53:01 PM | 43708 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 3/18/2019 7:53:01 PM | 43708 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Qualifiers: | | | |
|-------------|---|----|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 20, 2019

Rebecca Pons
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX (575) 393-4388

RE: Mav 19 003

OrderNo.: 1908772

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 7 sample(s) on 8/14/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908772**

Date Reported: **8/20/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: W. SW #1

Project: Mav 19 003

Collection Date: 8/13/2019 10:10:00 AM

Lab ID: 1908772-001

Matrix: SOIL

Received Date: 8/14/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 690 | 60 | | mg/Kg | 20 | 8/16/2019 2:06:29 PM | 46848 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | 49 | 9.6 | | mg/Kg | 1 | 8/17/2019 1:03:23 PM | 46851 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 8/17/2019 1:03:23 PM | 46851 |
| Surr: DNOP | 106 | 70-130 | | %Rec | 1 | 8/17/2019 1:03:23 PM | 46851 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 8/16/2019 4:02:52 PM | 46816 |
| Surr: BFB | 96.6 | 77.4-118 | | %Rec | 1 | 8/16/2019 4:02:52 PM | 46816 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908772**

Date Reported: **8/20/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: NE SW @ 2'

Project: Mav 19 003

Collection Date: 8/13/2019 11:16:00 AM

Lab ID: 1908772-002

Matrix: SOIL

Received Date: 8/14/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 540 | 60 | | mg/Kg | 20 | 8/16/2019 2:43:41 PM | 46848 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | 9.6 | 9.5 | | mg/Kg | 1 | 8/17/2019 2:10:03 PM | 46851 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 8/17/2019 2:10:03 PM | 46851 |
| Surr: DNOP | 47.4 | 70-130 | S | %Rec | 1 | 8/17/2019 2:10:03 PM | 46851 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 8/16/2019 4:26:25 PM | 46816 |
| Surr: BFB | 99.9 | 77.4-118 | | %Rec | 1 | 8/16/2019 4:26:25 PM | 46816 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908772**

Date Reported: **8/20/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP2 E. Wall

Project: Mav 19 003

Collection Date: 8/13/2019 10:10:00 AM

Lab ID: 1908772-003

Matrix: SOIL

Received Date: 8/14/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 920 | 60 | | mg/Kg | 20 | 8/16/2019 3:20:56 PM | 46848 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | 1400 | 95 | | mg/Kg | 10 | 8/19/2019 12:14:00 AM | 46851 |
| Motor Oil Range Organics (MRO) | 670 | 480 | | mg/Kg | 10 | 8/19/2019 12:14:00 AM | 46851 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 10 | 8/19/2019 12:14:00 AM | 46851 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 21 | 12 | | mg/Kg | 5 | 8/16/2019 3:39:19 PM | 46816 |
| Surr: BFB | 150 | 77.4-118 | S | %Rec | 5 | 8/16/2019 3:39:19 PM | 46816 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908772**

Date Reported: **8/20/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP3 SW @ 4ft

Project: Mav 19 003

Collection Date: 8/13/2019 10:15:00 AM

Lab ID: 1908772-004

Matrix: SOIL

Received Date: 8/14/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 380 | 60 | | mg/Kg | 20 | 8/16/2019 3:33:21 PM | 46848 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | 24 | 9.7 | | mg/Kg | 1 | 8/17/2019 3:17:00 PM | 46851 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 8/17/2019 3:17:00 PM | 46851 |
| Surr: DNOP | 59.2 | 70-130 | S | %Rec | 1 | 8/17/2019 3:17:00 PM | 46851 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 8/16/2019 4:50:01 PM | 46816 |
| Surr: BFB | 104 | 77.4-118 | | %Rec | 1 | 8/16/2019 4:50:01 PM | 46816 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908772**

Date Reported: **8/20/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: E SW @ 2ft

Project: Mav 19 003

Collection Date: 8/13/2019 11:15:00 AM

Lab ID: 1908772-005

Matrix: SOIL

Received Date: 8/14/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 380 | 60 | | mg/Kg | 20 | 8/16/2019 3:45:46 PM | 46848 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | 580 | 8.5 | | mg/Kg | 1 | 8/19/2019 8:48:08 AM | 46851 |
| Motor Oil Range Organics (MRO) | 390 | 42 | | mg/Kg | 1 | 8/19/2019 8:48:08 AM | 46851 |
| Surr: DNOP | 96.5 | 70-130 | | %Rec | 1 | 8/19/2019 8:48:08 AM | 46851 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 8/16/2019 5:13:31 PM | 46816 |
| Surr: BFB | 88.9 | 77.4-118 | | %Rec | 1 | 8/16/2019 5:13:31 PM | 46816 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908772**

Date Reported: **8/20/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: W SW @ 2ft

Project: Mav 19 003

Collection Date: 8/13/2019 11:05:00 AM

Lab ID: 1908772-006

Matrix: SOIL

Received Date: 8/14/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 74 | 60 | | mg/Kg | 20 | 8/16/2019 3:58:10 PM | 46848 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | 280 | 9.4 | | mg/Kg | 1 | 8/19/2019 9:42:49 AM | 46851 |
| Motor Oil Range Organics (MRO) | 210 | 47 | | mg/Kg | 1 | 8/19/2019 9:42:49 AM | 46851 |
| Surr: DNOP | 84.7 | 70-130 | | %Rec | 1 | 8/19/2019 9:42:49 AM | 46851 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 8/16/2019 7:11:03 PM | 46816 |
| Surr: BFB | 99.9 | 77.4-118 | | %Rec | 1 | 8/16/2019 7:11:03 PM | 46816 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908772

Date Reported: 8/20/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: E SE @ 4ft

Project: Mav 19 003

Collection Date: 8/13/2019 10:20:00 AM

Lab ID: 1908772-007

Matrix: SOIL

Received Date: 8/14/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 700 | 61 | | mg/Kg | 20 | 8/16/2019 8:43:34 PM | 46862 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | 80 | 9.6 | | mg/Kg | 1 | 8/17/2019 4:46:43 PM | 46851 |
| Motor Oil Range Organics (MRO) | 50 | 48 | | mg/Kg | 1 | 8/17/2019 4:46:43 PM | 46851 |
| Surr: DNOP | 75.0 | 70-130 | | %Rec | 1 | 8/17/2019 4:46:43 PM | 46851 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 8/16/2019 7:34:34 PM | 46816 |
| Surr: BFB | 94.2 | 77.4-118 | | %Rec | 1 | 8/16/2019 7:34:34 PM | 46816 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1908772

20-Aug-19

Client: Safety & Environmental Solutions

Project: Mav 19 003

| Sample ID: MB-46848 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 46848 | RunNo: 62203 | | | | | | | | |
| Prep Date: 8/16/2019 | Analysis Date: 8/16/2019 | SeqNo: 2113198 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 4.5 | | | | | | | | |

| Sample ID: LCS-46848 | SampType: ics | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 46848 | RunNo: 62203 | | | | | | | | |
| Prep Date: 8/16/2019 | Analysis Date: 8/16/2019 | SeqNo: 2113199 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 92.0 | 90 | 110 | | | |

| Sample ID: MB-46862 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 46862 | RunNo: 62203 | | | | | | | | |
| Prep Date: 8/16/2019 | Analysis Date: 8/16/2019 | SeqNo: 2113238 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-46862 | SampType: ics | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 46862 | RunNo: 62203 | | | | | | | | |
| Prep Date: 8/16/2019 | Analysis Date: 8/16/2019 | SeqNo: 2113239 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 15 | 1.5 | 15.00 | 0 | 98.4 | 90 | 110 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of range due to dilution or matrix | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1908772

20-Aug-19

Client: Safety & Environmental Solutions
Project: Mav 19 003

| Sample ID: MB-46851 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|--------------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 46851 | RunNo: 62213 | | | | | | | | |
| Prep Date: 8/16/2019 | Analysis Date: 8/17/2019 | SeqNo: 2112564 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 9.2 | | 10.00 | | 92.3 | 70 | 130 | | | |

| Sample ID: MB-46852 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------|---------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 46852 | RunNo: 62213 | | | | | | | | |
| Prep Date: 8/16/2019 | Analysis Date: 8/17/2019 | SeqNo: 2112565 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 8.3 | | 10.00 | | 83.0 | 70 | 130 | | | |

| Sample ID: LCS-46851 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 46851 | RunNo: 62213 | | | | | | | | |
| Prep Date: 8/16/2019 | Analysis Date: 8/17/2019 | SeqNo: 2112567 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 47 | 10 | 50.00 | 0 | 94.9 | 63.9 | 124 | | | |
| Surr: DNOP | 3.9 | | 5.000 | | 77.7 | 70 | 130 | | | |

| Sample ID: LCS-46852 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------|---------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 46852 | RunNo: 62213 | | | | | | | | |
| Prep Date: 8/16/2019 | Analysis Date: 8/17/2019 | SeqNo: 2112568 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 3.6 | | 5.000 | | 72.9 | 70 | 130 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1908772

20-Aug-19

Client: Safety & Environmental Solutions

Project: Mav 19 003

| Sample ID: MB-46816 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|---------------------------------|---|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 46816 | RunNo: 62170 | | | | | | | | |
| Prep Date: 8/15/2019 | Analysis Date: 8/16/2019 | SeqNo: 2112385 | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 940 | | 1000 | | 94.1 | 77.4 | 118 | | | |

| Sample ID: LCS-46816 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|---------------------------------|---|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 46816 | RunNo: 62170 | | | | | | | | |
| Prep Date: 8/15/2019 | Analysis Date: 8/16/2019 | SeqNo: 2112386 | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 23 | 5.0 | 25.00 | 0 | 90.3 | 80 | 120 | | | |
| Surr: BFB | 1000 | | 1000 | | 104 | 77.4 | 118 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Sample Log-In Check List

Client Name: **Safety Env Solutions**

Work Order Number: **1908772**

RcptNo: **1**

Received By: **Desiree Dominguez** **8/14/2019 9:00:00 AM**

Completed By: **Erin Melendrez** **8/14/2019 10:25:35 AM**

Reviewed By: *LB* **8/14/19**

DZ
EM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes No NA
 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
 5. Sample(s) in proper container(s)? Yes No
 6. Sufficient sample volume for indicated test(s)? Yes No
 7. Are samples (except VOA and ONG) properly preserved? Yes No
 8. Was preservative added to bottles? Yes No NA
 9. VOA vials have zero headspace? Yes No No VOA Vials
 10. Were any sample containers received broken? Yes No
 11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 12. Are matrices correctly identified on Chain of Custody? Yes No
 13. Is it clear what analyses were requested? Yes No
 14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: DAD 8/14/19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

Cooler Information

| Cooler No. | Temp °C | Condition | Seal Intact | Seal No. | Seal Date | Signed By |
|------------|---------|-----------|-------------|----------|-----------|-----------|
| 1 | 1.9 | Good | Yes | | | |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 07, 2019

Rebecca Pons
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX (575) 393-4388

RE: Jalmat 225

OrderNo.: 1908018

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 8 sample(s) on 8/1/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1908018
 Date Reported: 8/7/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP1 @ 4'

Project: Jalmat 225

Collection Date: 7/31/2019 12:05:00 PM

Lab ID: 1908018-001

Matrix: SOIL

Received Date: 8/1/2019 9:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CJS |
| Chloride | 500 | 60 | | mg/Kg | 20 | 8/5/2019 11:11:52 PM | 46597 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | 74 | 9.6 | | mg/Kg | 1 | 8/5/2019 11:02:28 AM | 46571 |
| Motor Oil Range Organics (MRO) | 61 | 48 | | mg/Kg | 1 | 8/5/2019 11:02:28 AM | 46571 |
| Surr: DNOP | 102 | 70-130 | | %Rec | 1 | 8/5/2019 11:02:28 AM | 46571 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 8/6/2019 1:51:02 PM | 46565 |
| Surr: BFB | 98.8 | 73.8-119 | | %Rec | 1 | 8/6/2019 1:51:02 PM | 46565 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order **1908018**
 Date Reported: **8/7/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP2 @ Bottom

Project: Jalmat 225

Collection Date: 7/31/2019 12:30:00 PM

Lab ID: 1908018-002

Matrix: SOIL

Received Date: 8/1/2019 9:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CJS |
| Chloride | 110 | 60 | | mg/Kg | 20 | 8/5/2019 11:24:16 PM | 46597 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | 170 | 9.7 | | mg/Kg | 1 | 8/6/2019 11:17:09 AM | 46571 |
| Motor Oil Range Organics (MRO) | 140 | 48 | | mg/Kg | 1 | 8/6/2019 11:17:09 AM | 46571 |
| Surr: DNOP | 103 | 70-130 | | %Rec | 1 | 8/6/2019 11:17:09 AM | 46571 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 8/5/2019 9:29:00 PM | 46565 |
| Surr: BFB | 110 | 73.8-119 | | %Rec | 1 | 8/5/2019 9:29:00 PM | 46565 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908018

Date Reported: 8/7/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP3 @ Bottom

Project: Jalmat 225

Collection Date: 7/31/2019 1:15:00 PM

Lab ID: 1908018-003

Matrix: SOIL

Received Date: 8/1/2019 9:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CJS |
| Chloride | 110 | 60 | | mg/Kg | 20 | 8/5/2019 11:36:40 PM | 46597 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | 26 | 9.0 | | mg/Kg | 1 | 8/5/2019 2:25:46 PM | 46571 |
| Motor Oil Range Organics (MRO) | 46 | 45 | | mg/Kg | 1 | 8/5/2019 2:25:46 PM | 46571 |
| Surr: DNOP | 102 | 70-130 | | %Rec | 1 | 8/5/2019 2:25:46 PM | 46571 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 8/5/2019 9:52:35 PM | 46565 |
| Surr: BFB | 94.5 | 73.8-119 | | %Rec | 1 | 8/5/2019 9:52:35 PM | 46565 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order **1908018**
 Date Reported: **8/7/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: Spoils

Project: Jalmat 225

Collection Date: 7/31/2019 11:30:00 AM

Lab ID: 1908018-004

Matrix: SOIL

Received Date: 8/1/2019 9:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CJS |
| Chloride | 100 | 60 | | mg/Kg | 20 | 8/5/2019 11:49:05 PM | 46597 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | 890 | 94 | | mg/Kg | 10 | 8/5/2019 2:48:18 PM | 46571 |
| Motor Oil Range Organics (MRO) | 680 | 470 | | mg/Kg | 10 | 8/5/2019 2:48:18 PM | 46571 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 10 | 8/5/2019 2:48:18 PM | 46571 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 8/5/2019 10:16:09 PM | 46565 |
| Surr: BFB | 94.8 | 73.8-119 | | %Rec | 1 | 8/5/2019 10:16:09 PM | 46565 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order **1908018**
 Date Reported: **8/7/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: N Wall @ 1'

Project: Jalmat 225

Collection Date: 7/31/2019 2:20:00 PM

Lab ID: 1908018-005

Matrix: SOIL

Received Date: 8/1/2019 9:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CJS |
| Chloride | ND | 60 | | mg/Kg | 20 | 8/6/2019 12:26:19 AM | 46597 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.0 | | mg/Kg | 1 | 8/5/2019 3:10:42 PM | 46571 |
| Motor Oil Range Organics (MRO) | ND | 45 | | mg/Kg | 1 | 8/5/2019 3:10:42 PM | 46571 |
| Surr: DNOP | 97.4 | 70-130 | | %Rec | 1 | 8/5/2019 3:10:42 PM | 46571 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 8/5/2019 10:39:44 PM | 46565 |
| Surr: BFB | 90.9 | 73.8-119 | | %Rec | 1 | 8/5/2019 10:39:44 PM | 46565 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908018

Date Reported: 8/7/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: NW Sidewall

Project: Jalmat 225

Collection Date: 7/31/2019 2:30:00 PM

Lab ID: 1908018-006

Matrix: SOIL

Received Date: 8/1/2019 9:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CJS |
| Chloride | ND | 60 | | mg/Kg | 20 | 8/6/2019 12:38:44 AM | 46597 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | 100 | 10 | | mg/Kg | 1 | 8/6/2019 11:41:13 AM | 46571 |
| Motor Oil Range Organics (MRO) | 180 | 50 | | mg/Kg | 1 | 8/6/2019 11:41:13 AM | 46571 |
| Surr: DNOP | 104 | 70-130 | | %Rec | 1 | 8/6/2019 11:41:13 AM | 46571 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 8/5/2019 11:03:19 PM | 46565 |
| Surr: BFB | 92.1 | 73.8-119 | | %Rec | 1 | 8/5/2019 11:03:19 PM | 46565 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908018

Date Reported: 8/7/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SW Sidewall

Project: Jalmat 225

Collection Date: 7/31/2019 2:55:00 PM

Lab ID: 1908018-007

Matrix: SOIL

Received Date: 8/1/2019 9:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CJS |
| Chloride | ND | 60 | | mg/Kg | 20 | 8/6/2019 1:15:58 AM | 46597 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.2 | | mg/Kg | 1 | 8/5/2019 3:55:40 PM | 46571 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 8/5/2019 3:55:40 PM | 46571 |
| Surr: DNOP | 99.0 | 70-130 | | %Rec | 1 | 8/5/2019 3:55:40 PM | 46571 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 8/5/2019 11:26:55 PM | 46565 |
| Surr: BFB | 89.1 | 73.8-119 | | %Rec | 1 | 8/5/2019 11:26:55 PM | 46565 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908018**

Date Reported: **8/7/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: SE Sidewall

Project: Jalmat 225

Collection Date: 7/31/2019 2:40:00 PM

Lab ID: 1908018-008

Matrix: SOIL

Received Date: 8/1/2019 9:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CJS |
| Chloride | ND | 60 | | mg/Kg | 20 | 8/6/2019 1:28:23 AM | 46597 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | 23 | 9.6 | | mg/Kg | 1 | 8/5/2019 4:18:14 PM | 46571 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 8/5/2019 4:18:14 PM | 46571 |
| Surr: DNOP | 79.0 | 70-130 | | %Rec | 1 | 8/5/2019 4:18:14 PM | 46571 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 8/5/2019 11:50:24 PM | 46565 |
| Surr: BFB | 101 | 73.8-119 | | %Rec | 1 | 8/5/2019 11:50:24 PM | 46565 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1908018

07-Aug-19

Client: Safety & Environmental Solutions

Project: Jalmat 225

| Sample ID: MB-46597 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 46597 | RunNo: 61924 | | | | | | | | |
| Prep Date: 8/5/2019 | Analysis Date: 8/5/2019 | SeqNo: 2100044 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-46597 | SampType: ics | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 46597 | RunNo: 61924 | | | | | | | | |
| Prep Date: 8/5/2019 | Analysis Date: 8/5/2019 | SeqNo: 2100046 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 15 | 1.5 | 15.00 | 0 | 97.8 | 90 | 110 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of range due to dilution or matrix | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1908018

07-Aug-19

Client: Safety & Environmental Solutions
Project: Jalmat 225

| Sample ID: LCS-46571 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 46571 | | RunNo: 61865 | | | | | | | |
| Prep Date: 8/2/2019 | Analysis Date: 8/5/2019 | | SeqNo: 2098678 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 50 | 10 | 50.00 | 0 | 100 | 63.9 | 124 | | | |
| Surr: DNOP | 4.5 | | 5.000 | | 89.1 | 70 | 130 | | | |

| Sample ID: MB-46571 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|--------------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 46571 | | RunNo: 61865 | | | | | | | |
| Prep Date: 8/2/2019 | Analysis Date: 8/5/2019 | | SeqNo: 2098679 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 9.4 | | 10.00 | | 94.3 | 70 | 130 | | | |

| Sample ID: LCS-46595 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|--------------------------------|-----|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 46595 | | RunNo: 61925 | | | | | | | |
| Prep Date: 8/5/2019 | Analysis Date: 8/6/2019 | | SeqNo: 2100152 | | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 5.1 | | 5.000 | | 102 | 70 | 130 | | | |

| Sample ID: MB-46595 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|----------------------------|--------------------------------|-----|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 46595 | | RunNo: 61925 | | | | | | | |
| Prep Date: 8/5/2019 | Analysis Date: 8/6/2019 | | SeqNo: 2100153 | | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 11 | | 10.00 | | 108 | 70 | 130 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1908018

07-Aug-19

Client: Safety & Environmental Solutions
Project: Jalmat 225

| Sample ID: LCS-46565 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 46565 | RunNo: 61895 | | | | | | | | |
| Prep Date: 8/2/2019 | Analysis Date: 8/5/2019 | SeqNo: 2099101 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 23 | 5.0 | 25.00 | 0 | 92.0 | 80.1 | 123 | | | |
| Surr: BFB | 1100 | | 1000 | | 106 | 73.8 | 119 | | | |

| Sample ID: MB-46565 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 46565 | RunNo: 61895 | | | | | | | | |
| Prep Date: 8/2/2019 | Analysis Date: 8/5/2019 | SeqNo: 2099102 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 950 | | 1000 | | 94.9 | 73.8 | 119 | | | |

| Sample ID: MB-46580 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|----------------------------|--------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 46580 | RunNo: 61943 | | | | | | | | |
| Prep Date: 8/5/2019 | Analysis Date: 8/7/2019 | SeqNo: 2100730 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 980 | | 1000 | | 98.1 | 73.8 | 119 | | | |

| Sample ID: LCS-46580 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------|--------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 46580 | RunNo: 61943 | | | | | | | | |
| Prep Date: 8/5/2019 | Analysis Date: 8/7/2019 | SeqNo: 2100749 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 1100 | | 1000 | | 108 | 73.8 | 119 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of range due to dilution or matrix | |

Sample Log-In Check List

Client Name: Safety Env Solutions

Work Order Number: 1908018

RcptNo: 1

Received By: Leah Baca 8/1/2019 9:05:00 AM

Completed By: Erin Melendrez 8/1/2019 10:47:10 AM

Reviewed By: ENM 8/1/19

Leah Baca
EM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present

2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? Yes No NA

9. VOA vials have zero headspace? Yes No No VOA Vials

10. Were any sample containers received broken? Yes No

11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: DAD 8/1/19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|-------|-------|---|
| Person Notified: | _____ | Date: | _____ |
| By Whom: | _____ | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | _____ | | |
| Client Instructions: | _____ | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 0.6 | Good | Yes | | | |

Chain-of-Custody Record

Client: Safeco Environmental Sol.

Mailing Address: 203 E. Center

Phone #: 505-397-0510

email or Fax#: _____

QA/QC Package: Level 4 (Full Validation)

Accreditation Standard Other _____

NELAP Other _____

EDD (Type) _____

Turn-Around Time: 48 hours

Standard Rush 5 Day Rush

Project Name: Helmet 225

Project #: MAV-19-003

Project Manager: Rebecca Pons

Sampler: R Pons

On Ice: Yes No

Sample Temperature: 0g - 0.2 = 0.6C

HEAL No. 1908018

| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL No. |
|------|-------|--------|-------------------|----------------------|-------------------|----------|
| 7/31 | 12:00 | soil | SP1 @ 4' | JAR | ✓ | -001 |
| 7/31 | 12:30 | | SP2 @ Bottom | JAR | ✓ | -002 |
| 7/31 | 1:15 | | SP3 @ Bottom | JAR | ✓ | -003 |
| 7/31 | 1:30 | | SPOILS * | JAR | ✓ | -004 |
| 7/31 | 2:20 | | NW Wall @ 1' | JAR | ✓ | -005 |
| 7/31 | 2:30 | | NW Sidelwall | JAR | ✓ | -006 |
| 7/31 | 2:55 | | SW Sidelwall | JAR | ✓ | -007 |
| 7/31 | 2:40 | | SE Sidelwall | JAR | ✓ | -008 |

Date: 7/31 Time: 4:00 Relinquished by: Rebecca Pons

Date: 7/31 Time: 1:00 Relinquished by: CAVUIR

Date: 8/1/19 Time: 09:05 Received by: Leah Bar



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| | | | |
|--------------------------|------------------------------|--------------------------|---|
| <input type="checkbox"/> | BTEX + MTBE + TPH (Gas only) | <input type="checkbox"/> | BTEX + MTBE + TMB's (8021) |
| <input type="checkbox"/> | BTEX + MTBE + TPH (Sims) | <input type="checkbox"/> | PAH's (8310 or 8270 SIMS) |
| <input type="checkbox"/> | TPH (Method 418.1) | <input type="checkbox"/> | EDB (Method 504.1) |
| <input type="checkbox"/> | TPH 8015B (GRO / DRO / MRO) | <input type="checkbox"/> | TPH (Method 418.1) |
| <input type="checkbox"/> | RCRA 8 Metals | <input type="checkbox"/> | Antions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄) |
| <input type="checkbox"/> | 8081 Pesticides / 8082 PCB's | <input type="checkbox"/> | 8260B (VOA) |
| <input type="checkbox"/> | 8270 (Semi-VOA) | <input type="checkbox"/> | Air Bubbles (Y or N) |

Remarks:

* Please put spoils on a separate report

change from 48 hour to 5 Day Rush per skip IO 8/1/19



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 28, 2019

Rebecca Pons
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX: (575) 393-4388

RE: 225 Flowline

OrderNo.: 1908B96

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/21/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908B96

Date Reported: 8/28/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP2 E Wall (B)

Project: 225 Flowline

Collection Date: 8/16/2019

Lab ID: 1908B96-001

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 8/28/2019 7:09:58 AM | 47105 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | 86 | 9.4 | | mg/Kg | 1 | 8/26/2019 12:24:23 PM | 46960 |
| Motor Oil Range Organics (MRO) | 79 | 47 | | mg/Kg | 1 | 8/26/2019 12:24:23 PM | 46960 |
| Surr: DNOP | 83.6 | 70-130 | | %Rec | 1 | 8/26/2019 12:24:23 PM | 46960 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 8/22/2019 7:57:34 PM | 46958 |
| Surr: BFB | 96.5 | 77.4-118 | | %Rec | 1 | 8/22/2019 7:57:34 PM | 46958 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1908B96**

Date Reported: **8/28/2019**

CLIENT: Safety & Environmental Solutions

Client Sample ID: W SW #1 (B)

Project: 225 Flowline

Collection Date: 8/16/2019

Lab ID: 1908B96-002

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 8/28/2019 7:22:23 AM | 47105 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1908B96

Date Reported: 8/28/2019

CLIENT: Safety & Environmental Solutions

Client Sample ID: E. SE @ 5' (B)

Project: 225 Flowline

Collection Date: 8/16/2019

Lab ID: 1908B96-003

Matrix: SOIL

Received Date: 8/21/2019 9:02:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 8/28/2019 7:34:48 AM | 47105 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1908B96

28-Aug-19

Client: Safety & Environmental Solutions

Project: 225 Flowline

| Sample ID: MB-47105 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 47105 | RunNo: 62447 | | | | | | | | |
| Prep Date: 8/27/2019 | Analysis Date: 8/28/2019 | SeqNo: 2124915 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-47105 | SampType: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 47105 | RunNo: 62447 | | | | | | | | |
| Prep Date: 8/27/2019 | Analysis Date: 8/28/2019 | SeqNo: 2124916 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 95.3 | 90 | 110 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of range due to dilution or matrix | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1908B96

28-Aug-19

Client: Safety & Environmental Solutions

Project: 225 Flowline

| Sample ID: LCS-46960 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 46960 | | RunNo: 62322 | | | | | | | |
| Prep Date: 8/21/2019 | Analysis Date: 8/22/2019 | | SeqNo: 2117903 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 53 | 10 | 50.00 | 0 | 107 | 63.9 | 124 | | | |
| Surr: DNOP | 4.7 | | 5.000 | | 94.8 | 70 | 130 | | | |

| Sample ID: MB-46960 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|--------------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 46960 | | RunNo: 62322 | | | | | | | |
| Prep Date: 8/21/2019 | Analysis Date: 8/22/2019 | | SeqNo: 2117906 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 9.5 | | 10.00 | | 95.5 | 70 | 130 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of range due to dilution or matrix | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1908B96

28-Aug-19

Client: Safety & Environmental Solutions

Project: 225 Flowline

| Sample ID: MB-46958 | SampType: MBLK | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|-------------------------------|---------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 46958 | | RunNo: 62340 | | | | | | | |
| Prep Date: 8/21/2019 | Analysis Date: 8/22/2019 | | SeqNo: 2119209 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 910 | | 1000 | | 91.3 | 77.4 | 118 | | | |

| Sample ID: LCS-46958 | SampType: LCS | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|-------------------------------|---------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 46958 | | RunNo: 62340 | | | | | | | |
| Prep Date: 8/21/2019 | Analysis Date: 8/22/2019 | | SeqNo: 2119210 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 21 | 5.0 | 25.00 | 0 | 84.5 | 80 | 120 | | | |
| Surr: BFB | 1000 | | 1000 | | 103 | 77.4 | 118 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of range due to dilution or matrix | |

Sample Log-In Check List

Client Name: **Safety Env Solutions**

Work Order Number: **1908B96**

RcptNo: **1**

Received By: **Isaiah Ortiz**

8/21/2019 9:02:00 AM

I-Ox

Completed By: **Erin Melendrez**

8/21/2019 10:13:16 AM

EM

Reviewed By: *EB*

8/21/19

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? Yes No NA
9. VOA vials have zero headspace? Yes No No VOA Vials
10. Were any sample containers received broken? Yes No
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: DAD 8/21/19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 2.7 | Good | Yes | | | |
| 2 | 2.3 | Good | Yes | | | |

