



AE Order Number Banner

Report Description

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App Number: pENV000GW00061

GW - 51

TEPPCO GP, INC

7/26/2016

GW - 51

Release Report/ C-141

**Val Verde/ Blanco D
Turbine**

Date: 2016

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

State of New Mexico
Energy Minerals and Natural Resources

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

OIL CONS. DIV DIST. 3

JUL 28 2016

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

| | |
|--|---|
| Name of Company: Enterprise Field Services LLC | Contact: Thomas Long |
| Address: 614 Reilly Ave, Farmington, NM 87401 | Telephone No. 505-599-2286 |
| Facility Name: Blanco Plant D-Turbine | Facility Type: Natural Gas Processing Plant |

| | | |
|--------------------|--------------------|----------------------------|
| Surface Owner: BLM | Mineral Owner: BLM | Serial Number: NM 0 014706 |
|--------------------|--------------------|----------------------------|

LOCATION OF RELEASE

| | | | | | | | | |
|--------------------|---------------|-----------------|--------------|----------------------|------------------|----------------------|----------------|--------------------|
| Unit Letter N/O | Section 11 | Township 29N | Range 11W | Feet from the 620 | North/South Line | Feet from the 152 | East/West Line | County San Juan |
|--------------------|---------------|-----------------|--------------|----------------------|------------------|----------------------|----------------|--------------------|

Latitude 36.734617 Longitude -107.960433

NATURE OF RELEASE

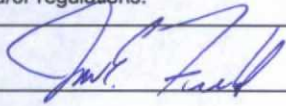

| | | |
|--|--|--|
| Type of Release: Lubrication Oil | Volume of Release Approximately 42 barrels | Volume Recovered: None |
| Source of Release: Facility Blowdown Vent Pipe | Date and Hour of Occurrence: 5/3/2016 @ 10:01 a.m. | Date and Hour of Discovery: 5/3/2016 @ 10:02 a.m. |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? Vanessa Fields - NMOCD and Katherina Diemer - BLM | |
| By Whom? Thomas Long | Date and Time May 4, 2016 @ 10:46 a.m. Follow up notification on May 5, 2016 @ 9:00 a.m. | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action: The initial release occurred on May 3, 2016. A subsequent release occurred on May 4, 2016. Both releases were a result of lubrication seal oil being ejected from the blowdown vent pipe during annual testing of the Emergency Shutdown System and from equipment maintenance activities being performed at the Blanco Plant facility. The blowdown vent pipe is used when the station is being depressurized due to either an emergency event or during maintenance activities. The lubrication oil releases were a result of a failed level control system on the compressor oil seal system. Lubricating seal oil accumulated in the gas compressor and associated piping and was emitted through the blowdown vent stack during the depressurization events.

Describe Area Affected and Cleanup Action: An area of approximately 450 feet long by 165 feet wide was saturated with lubrication oil. An overspray area of approximately 700 feet long and 150 feet wide was impacted. An area of approximately 0.5 miles long by 200 feet wide was misted with the lubrication oil. Residents located to west of the facility were impacted. Mobile homes and vehicles were impacted with a mist of lubrication oil. Enterprise provided cleaning services for impacted property owner's vehicles. The contaminant mass was removed by mechanical excavation. The final excavation measured approximately 450 feet long by 165 feet wide ranging from 0.5 to 3.0 feet deep. Approximately 634 cubic yards of hydrocarbon impacted soil were excavated and transported to a New Mexico Oil Conservation Division approved land farm facility. A third party corrective action report is included with this "Final" C-141.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

| | | |
|--|---|-----------------------------------|
| Signature:  | OIL CONSERVATION DIVISION | |
| Printed Name: Jon E. Fields | Approved by Environmental Specialist:  | |
| Title: Director, Environmental | Approval Date: 8/19/2016 | Expiration Date: |
| E-mail Address: jefields@eprod.com | Conditions of Approval: | Attached <input type="checkbox"/> |
| Date: 7/25/2016 | Phone: (713)381-6684 | NUF 1618241350 |

* Attach Additional Sheets If Necessary

Schedule Site Inspection
for inspection of plant growth
by December 2016.

Blanco Plant D-Turbine Lubrication Oil Release Report

UL N & O, S11, Township 29N, Range 11W
San Juan County, New Mexico

July 11, 2016

Prepared for:
Enterprise Field Services, LLC
614 Reilly Avenue
Farmington, New Mexico 87401

Prepared by:
Rule Engineering, LLC
501 Airport Drive, Suite 205
Farmington, New Mexico 87401

Enterprise Field Services, LLC Blanco Plant D-Turbine Lubrication Oil Release Report

Prepared for:

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Farmington, New Mexico 87401

Prepared by:

Rule Engineering, LLC
501 Airport Drive, Suite 205
Farmington, New Mexico 87401



Heather M. Woods, P.G., Area Manager

Reviewed by:



Russell Knight, PG, Principal Hydrogeologist

July 11, 2016

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1.0 Introduction

The Enterprise Field Services, LLC (Enterprise) Blanco Plant D-Turbine Lubrication Oil release site is located in Unit Letters N & O, Section 11, Township 29 North, Range 11 West, in San Juan County, New Mexico. The initial release occurred on May 3, 2016, and a subsequent release occurred on May 4, 2016. Both releases were the result of ejection of lubrication seal oil from the blowdown vent pipe during annual testing of the Emergency Shutdown System and equipment maintenance activities being performed at the Blanco Plant facility. Lubrication seal oil accumulated in the gas compressor and associated piping and was emitted through the blowdown vent stack during the depressurization events.

A topographic map of the location reproduced from the United States Geological Society quadrangle map of the area is included as Figure 1 and an aerial site map is included as Figure 2. These maps illustrate the location of the release and downwind impacts.

2.0 Release Summary

| | | | |
|--|--|---|--|
| Site Name | Blanco Plant D-Turbine Lubrication Oil Release | | |
| Site Location Description | Unit Letters N & O, Section 11, Township 29 North, Range 11 West (N36.73462, W107.96039) | | |
| Land Jurisdiction | Bureau of Land Management (BLM) and Private | | |
| Release Dates | May 3 and 4, 2016 | Reported by | Thomas Long |
| Agency Notification | New Mexico Oil Conservation Division (NMOCD) and BLM | | |
| NMOCD Site Rank | 30 | Release Source | Blowdown Vent |
| Substance Released | Lubrication seal oil | | |
| Distance to Nearest Surface Water | Unnamed, ephemeral wash approximately 140 feet east of release location | | |
| Estimated Depth to Groundwater | Between 50 to 100 feet below grade surface (bgs) | Distance to Nearest Water Well or Spring | Greater than 1,000 feet |
| Approx. Excavation Dimensions | Irregularly shaped, maximum dimensions of approximately 450 feet by 165 feet by 0.5 to 1.5 feet in depth (soils immediately adjacent to the blowdown vent stack concrete footer were removed to a depth of approximately 3 feet) | | |
| Contractor | West States Energy Contractor, Inc. (West States) | | |
| Volume of Soil Transported for Disposal Remediation | Approximately 634 cubic yards | Disposal Facility | Envirotech Landfarm (Permit #NM-01-0011) |

3.0 NMED Soil Screening Levels/Site Specific Remediation Standards

The release included Resource Conservation and Recovery Act (RCRA) non-exempt oil field waste shown to be non-hazardous via laboratory analysis (see Table 1 and Waste Characterization Laboratory Analytical Report in Appendix A). Based on the nature of the released material, the composite sample collected from saturated soils in the release area was analyzed for constituents of concern. Soil screening levels for industrial use per the New Mexico Environment Department (NMED) Risk Assessment Guidance for Site Investigations and Remediation (July 2015) for these constituents of concern are provided in Tables 1 and 2.

Depth to groundwater at the site is estimated to be between 50 and 100 feet bgs based on the elevation differential between the release location and the wash in Bloomfield Canyon and Citizens Ditch, as well as depth to groundwater information available for nearby water wells registered on the New Mexico Office of the State Engineer online New Mexico Water Rights Reporting System (NMWRRS). A review was completed of the NMWRRS and no water wells were identified within a 1,000 foot radius of the location. No water wells were observed within a 1,000 foot radius of the location during a visual inspection. An unnamed, ephemeral wash traverses the area approximately 140 feet east of the release location.

Site specific remediation standards based on the NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993), were accepted by the BLM and NMOCD. Site specific remediation standards soils at the site are as follows: 10 milligrams per kilogram (mg/kg) benzene, 50 mg/kg total benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 100 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO).

4.0 Field Activities

On May 5, 2016, Enterprise provided cleaning services for impacted property owner's vehicles. Seventeen vehicles were cleaned by Donny's Power Wash Company. Property owners declined cleaning of the exterior of their homes. Impacted bales of hay for feeding livestock were replaced.

Following an onsite meeting with BLM and NMOCD on May 6, 2016, Enterprise began cleaning impacted vegetation with Simple Green® solution utilizing pressure washing equipment and completed the vegetation cleaning on May 7, 2016. A depiction of the areas treated with Simple Green® is included as Figure 2.

Prior to surface disturbance at the site, an archaeological survey was completed which found no cultural material in the work area. On May 23, 2016, Enterprise initiated remedial excavation activities of the surface soils in the saturated area. West States provided heavy equipment operation and repair support. Rule Engineering, LLC (Rule) personnel provided excavation guidance and collected confirmation samples from the resultant excavation. Vigorous larger vegetation and cacti were left in place in the

excavation area and impacted soils around their bases were removed by hand. The final excavation was an irregular shape of which the maximum dimensions measured approximately 450 feet by 165 feet by 0.5 to 1.5 feet in depth (soils immediately adjacent to the blowdown vent stack concrete footer were removed to a depth of approximately 3 feet). Approximately 634 cubic yards were transported to Envirotech Landfarm for disposal/remediation. The remedial excavation was backfilled with clean, imported soils.

The archaeological report is included as Appendix B. A depiction of the excavation with sample locations is included as Figure 3. A copy of the executed C-138 Solid Waste Acceptance Form is included in Appendix C. A photograph log is included in Appendix D.

5.0 Soil Sampling

Rule collected confirmation excavation soil samples SC-1 through SC-21 from the base of the excavation. Laboratory results for two soil samples, SC-14 and SC-19, exceeded the NMOCD action level for TPH (GRO/DRO/MRO) and subsequent to additional excavation of the corresponding areas, were resampled as SC-14R and SC-19R on June 6, 2016. Each confirmation soil sample is a representative composite comprised of five equivalent aliquots of soil collected from the sampled area.

Soil samples collected for laboratory analysis were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico. All samples were analyzed for BTEX per U.S. Environmental Protection Agency (USEPA) Method 8021B and TPH (GRO/DRO/MRO) per USEPA 8015D. Laboratory analytical results are summarized in Table 2, and the analytical laboratory reports are included in Appendix E.

A portion of each sample was field screened for volatile organic compounds (VOCs) and TPH. Field screening for VOC vapors was conducted with a photoionization detector (PID). Prior to field screening, the PID was calibrated with 100 parts per million (ppm) isobutylene gas. Field analysis for TPH was conducted for selected samples per USEPA Method 418.1, utilizing a total hydrocarbon analyzer. Prior to field analysis, the machine was calibrated following the manufacturer's procedure which includes calculation of a calibration curve using known concentration standards.

6.0 Laboratory Analytical Results

Laboratory analytical results for the excavation confirmation samples (SC-1 through SC-21, SC-14R, and SC-19R) reported benzene and total BTEX concentrations below the laboratory reporting limits, which are below the site specific remediation standards. Laboratory analytical results for the excavation confirmation samples SC-14 and SC-19 reported TPH (GRO/DRO/MRO) concentrations of 234 mg/kg and 125 mg/kg, respectively, which exceed the site specific remediation standard. The areas associated with samples SC-14 and SC-19 were resampled subsequent to additional excavation and laboratory results for SC-14R and SC-19 reported TPH (GRO/DRO/MRO) concentrations

of below the laboratory reporting limits of 47 mg/kg and 50 mg/kg, respectively, which are below site specific remediation standard. Laboratory analytical results for the remainder of the samples reported TPH (GRO/DRO/MRO) concentrations ranging from below the laboratory reporting limits to 84 mg/kg, which are below the site specific remediation standards.

Laboratory analytical results are summarized in Table 2 and the analytical laboratory reports are included in Appendix E.

7.0 Conclusions

The Enterprise Blanco Plant D-Turbine Lubrication Oil release site is located in Unit Letters N & O, Section 11, Township 29 North, Range 11 West, in San Juan County, New Mexico. The initial release occurred on May 3, 2016, and a subsequent release occurred on May 4, 2016. Both releases were the result of ejection of lubrication seal oil from the blowdown vent pipe during annual testing of the Emergency Shutdown System and equipment maintenance activities being performed at the Blanco Plant facility. Lubrication seal oil accumulated in the gas compressor and associated piping and was emitted through the blowdown vent stack during the depressurization events.

Vegetation in the impacted areas were cleaned using Simple Green® power washing and soils were excavated from the saturated area. Confirmation samples were collected from the resultant excavation which was an irregular shape of which the maximum dimensions measured approximately 450 feet by 165 feet by 0.5 to 1.5 feet in depth (soils immediately adjacent to the blowdown vent stack concrete footer were removed to a depth of approximately 3 feet). Laboratory analytical results for the soil confirmation samples (SC-1 through SC-21) reported benzene, total BTEX, and total TPH (GRO/DRO/MRO) concentrations below the site specific remediation standards for all the samples except samples SC-14 and SC-19 which exceeded the site specific remediation standard for TPH (GRO/DRO/MRO). However, laboratory results for samples SC-14R and SC-19R, collected subsequent to additional excavation of the sample areas, reported TPH (GRO/DRO/MRO) concentrations below the site specific remediation standard. Approximately 634 cubic yards of soils were transported to Envirotech Landfarm for disposal/remediation. The remedial excavation was backfilled with clean, imported soils.

Based on laboratory analytical results of the confirmation soil samples, no further soil remediation is recommended. Quarterly vegetation surveys will be conducted for the next six months.

8.0 Closure and Limitations

This report has been prepared for the exclusive use of Enterprise and is subject to the terms, conditions, and limitations stated in Rule's report and Service Agreement with Enterprise. All work has been performed in accordance with generally accepted professional environmental consulting practices. No other warranty is expressed or implied.

Tables

Table 1. Waste Characterization Laboratory Analytical Results
Enterprise Field Services, LLC
Blanco Plant D-Turbine Lubrication Oil Release
San Juan County, New Mexico

| Sample Name | Date | Sample Location | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | Total BTEX (mg/kg) | TPH as GRO (mg/kg) | TPH as DRO (mg/kg) | TPH as MRO (mg/kg) |
|--|----------|-----------------|-----------------|-----------------|----------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|
| NMED Soil Screening Levels for Industrial Use* | | | 87.2 | 61,300 | 368 | 4,280 | -- | 5,000 | | |
| Site Specific Remediation Standards** | | | 10 | NE | NE | NE | 50 | 100 | | |
| SC-1 | 5/3/2015 | Saturated Soils | 1.4 | 3.2 | 0.18 | 1.9 | 6.7 | 79 | 13,000 | 56,000 |

| Sample Name | Date | Sample Location | Arsenic (mg/kg) | Barium (mg/kg) | Cadmium (mg/kg) | Chromium (mg/kg) | Lead (mg/kg) | Selenium (mg/kg) | Silver (mg/kg) | Mercury (mg/kg) |
|--|-----------|-----------------|-----------------|----------------|-----------------|------------------|--------------|------------------|----------------|-----------------|
| NMED Soil Screening Levels for Industrial Use* | | | 21.5 | 25,500 | 1,110 | 505 | 800 | 6,490 | 6,490 | 112 |
| SC-1 | 5/25/2016 | Saturated Soils | <5.0 | <100 | <1.0 | <5.0 | <5.0 | <1.0 | <5.0 | <0.020 |

Notes: ft bgs - feet below grade surface

mg/kg - milligrams per kilogram

NMOCD - New Mexico Oil Conservation Division

BTEX - benzene, toluene, ethylbenzene, and xylenes

TPH - total petroleum hydrocarbons

*Per New Mexico Environmental Department Risk Assessment Guidance for Investigations and Remediation (July 2015)

**Site specific remediation standards based on the NMOCD *Guidelines for Remediation of Leaks, Spills and Releases* (August 1993)

GRO - gasoline range organics

DRO - diesel range organics

MRO - motor oil range organics

ND - not detected above laboratory reporting limits

Table 2. Confirmation Soil Sampling Laboratory Analytical Results
Enterprise Field Services, LLC
Blanco Plant D-Turbine Lubrication Oil Release
San Juan County, New Mexico

| Sample Name | Date | Approximate Sample Depth (ft bgs) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | Total BTEX (mg/kg) | TPH as GRO (mg/kg) | TPH as DRO (mg/kg) | TPH as MRO (mg/kg) |
|---|-----------|-----------------------------------|-----------------|-----------------|----------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|
| NMED Soil Screening Levels for Industrial Use* | | | 87.2 | 61,300 | 368 | 4,280 | -- | 5,000 | | |
| Site Specific Remediation Standards** | | | 10 | NE | NE | NE | 50 | 100 | | |
| Excavation Confirmation Samples | | | | | | | | | | |
| SC-1 | 5/25/2016 | 0.5 to 1 | <0.018 | <0.037 | <0.037 | <0.073 | <0.165 | <3.7 | <10 | <50 |
| SC-2 | 5/25/2016 | 0.5 to 1 | <0.019 | <0.038 | <0.038 | <0.076 | <0.171 | <3.8 | 13 | 72 |
| SC-3 | 5/25/2016 | 0.5 to 1 | <0.022 | <0.043 | <0.043 | <0.086 | <0.194 | <4.3 | <9.1 | <46 |
| SC-4 | 5/25/2016 | 0.5 to 1 | <0.018 | <0.036 | <0.036 | <0.072 | <0.162 | <3.6 | <9.5 | <47 |
| SC-5 | 5/25/2016 | 0.5 to 1 | <0.019 | <0.038 | <0.038 | <0.077 | <0.172 | <3.8 | <9.7 | <49 |
| SC-6 | 5/25/2016 | 0.5 to 1 | <0.019 | <0.039 | <0.039 | <0.078 | <0.175 | <3.9 | <9.6 | <48 |
| SC-7 | 5/25/2016 | 0.5 to 1 | <0.018 | <0.035 | <0.035 | <0.070 | <0.158 | <3.5 | 13 | 55 |
| SC-8 | 5/25/2016 | 0.5 to 1 | <0.022 | <0.044 | <0.044 | <0.087 | <0.197 | <4.4 | <9.5 | <47 |
| SC-9 | 5/25/2016 | 0.5 to 1 | <0.017 | <0.034 | <0.034 | <0.067 | <0.152 | <3.4 | 17 | 60 |
| SC-10 | 5/25/2016 | 0.5 to 1 | <0.018 | <0.036 | <0.036 | <0.071 | <0.161 | <3.6 | <9.8 | <49 |
| SC-11 | 5/25/2016 | 0.5 to 1 | <0.017 | <0.034 | <0.034 | <0.068 | <0.153 | <3.4 | <9.5 | <47 |
| SC-12 | 5/25/2016 | 0.5 to 1 | <0.019 | <0.039 | <0.039 | <0.078 | <0.175 | <3.9 | 16 | 68 |
| SC-13 | 5/25/2016 | 0.5 to 1 | <0.017 | <0.035 | <0.035 | <0.069 | <0.156 | <3.5 | <9.3 | <47 |
| SC-14R | 6/6/2016 | 0.5 to 1.5 | <0.017 | <0.033 | <0.033 | <0.066 | <0.149 | <3.3 | <9.5 | <47 |
| SC-15 | 5/25/2016 | 0.5 to 1 | <0.018 | <0.036 | <0.036 | <0.072 | <0.162 | <3.6 | <9.2 | <46 |
| SC-16 | 5/25/2016 | 0.5 to 1 | <0.019 | <0.037 | <0.037 | <0.074 | <0.167 | <3.7 | <9.6 | <48 |
| SC-17 | 5/25/2016 | 0.5 to 1 | <0.017 | <0.033 | <0.033 | <0.066 | <0.149 | <3.3 | <9.7 | <48 |
| SC-18 | 5/25/2016 | 0.5 to 1 | <0.018 | <0.036 | <0.036 | <0.071 | <0.161 | <3.6 | <9.7 | <48 |
| SC-19R | 6/6/2016 | 0.5 to 1.5 | <0.018 | <0.035 | <0.035 | <0.070 | <0.158 | <3.5 | <10 | <50 |
| SC-20 | 5/25/2016 | 0.5 to 1 | <0.018 | <0.036 | <0.036 | <0.072 | <0.162 | <3.6 | <9.6 | <48 |
| SC-21 | 5/25/2016 | 0.5 to 3 | <0.017 | <0.035 | <0.035 | <0.069 | <0.156 | <3.5 | <9.7 | <48 |
| Samples Removed by Excavation and Resampled (designated by "R" above) | | | | | | | | | | |
| SC-14 | 5/25/2016 | 0.5 to 1 | <0.017 | <0.033 | <0.033 | <0.067 | <0.150 | <3.3 | 54 | 180 |
| SC-19 | 5/25/2016 | 0.5 to 1 | <0.017 | <0.033 | <0.033 | <0.067 | <0.150 | <3.3 | 28 | 97 |

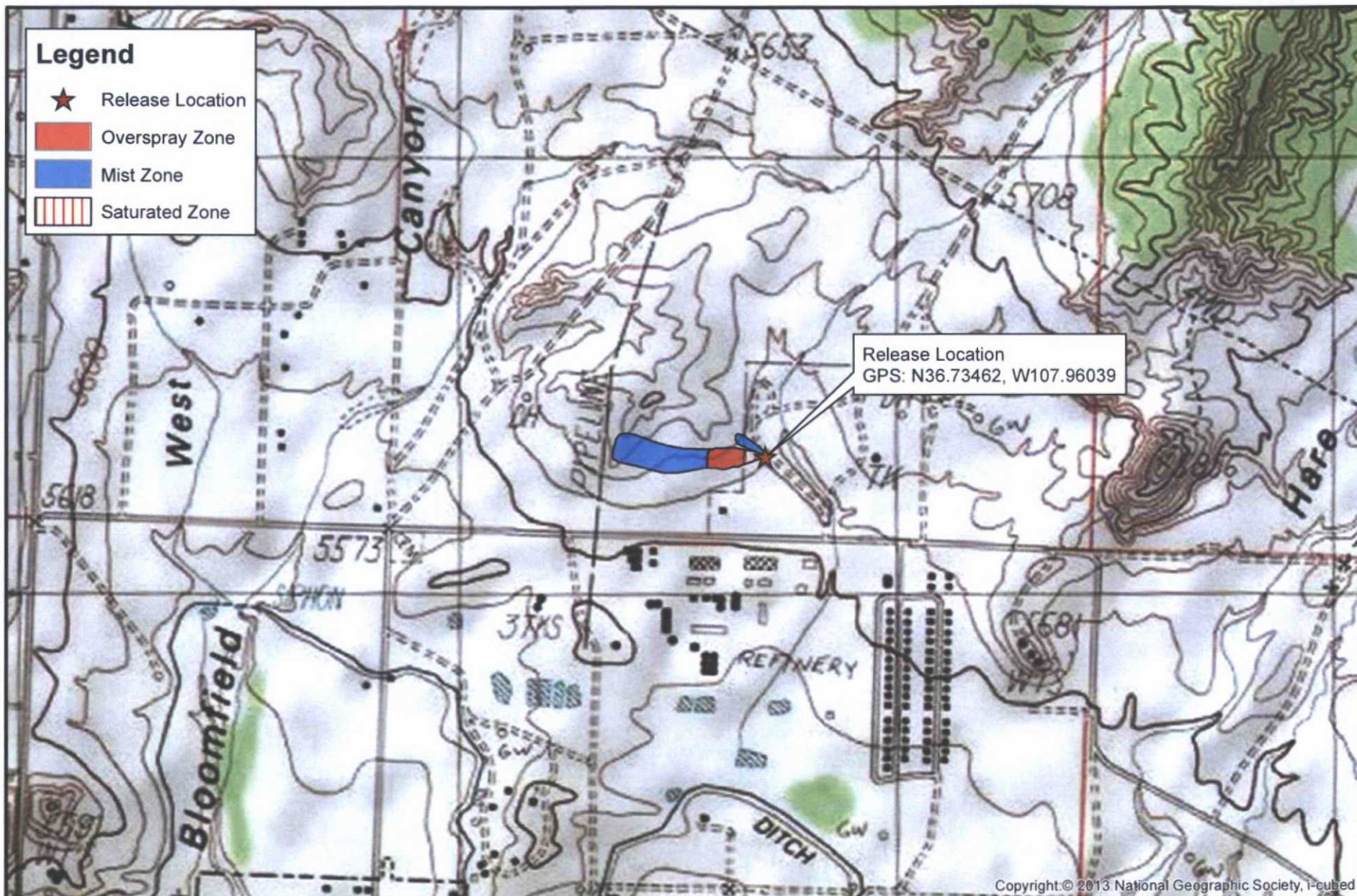
Notes: ft bgs - feet below grade surface
mg/kg - milligrams per kilogram
NMOCD - New Mexico Oil Conservation Division
BTEX - benzene, toluene, ethylbenzene, and xylenes
TPH - total petroleum hydrocarbons

GRO - gasoline range organics
DRO - diesel range organics
MRO - motor oil range organics
ND - not detected above laboratory reporting limits

*Per New Mexico Environmental Department Risk Assessment Guidance for Investigations and Remediation (July 2015)

**Site specific remediation standards based on the NMOCD Guidelines for Remediation of Leaks, Spills and Releases (August 1993)

Figures



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Rule Engineering, LLC
Solutions to Regulations for Industry

0 750 1,500 3,000 Feet
1 inch = 1,000 feet

Enterprise Products

UL N&O-S11-T29-R11W
N36.73462, W107.96039
San Juan County, NM

Figure 1
Topographic Site Map
Blanco Plant D-Turbine
Lubrication Oil Release



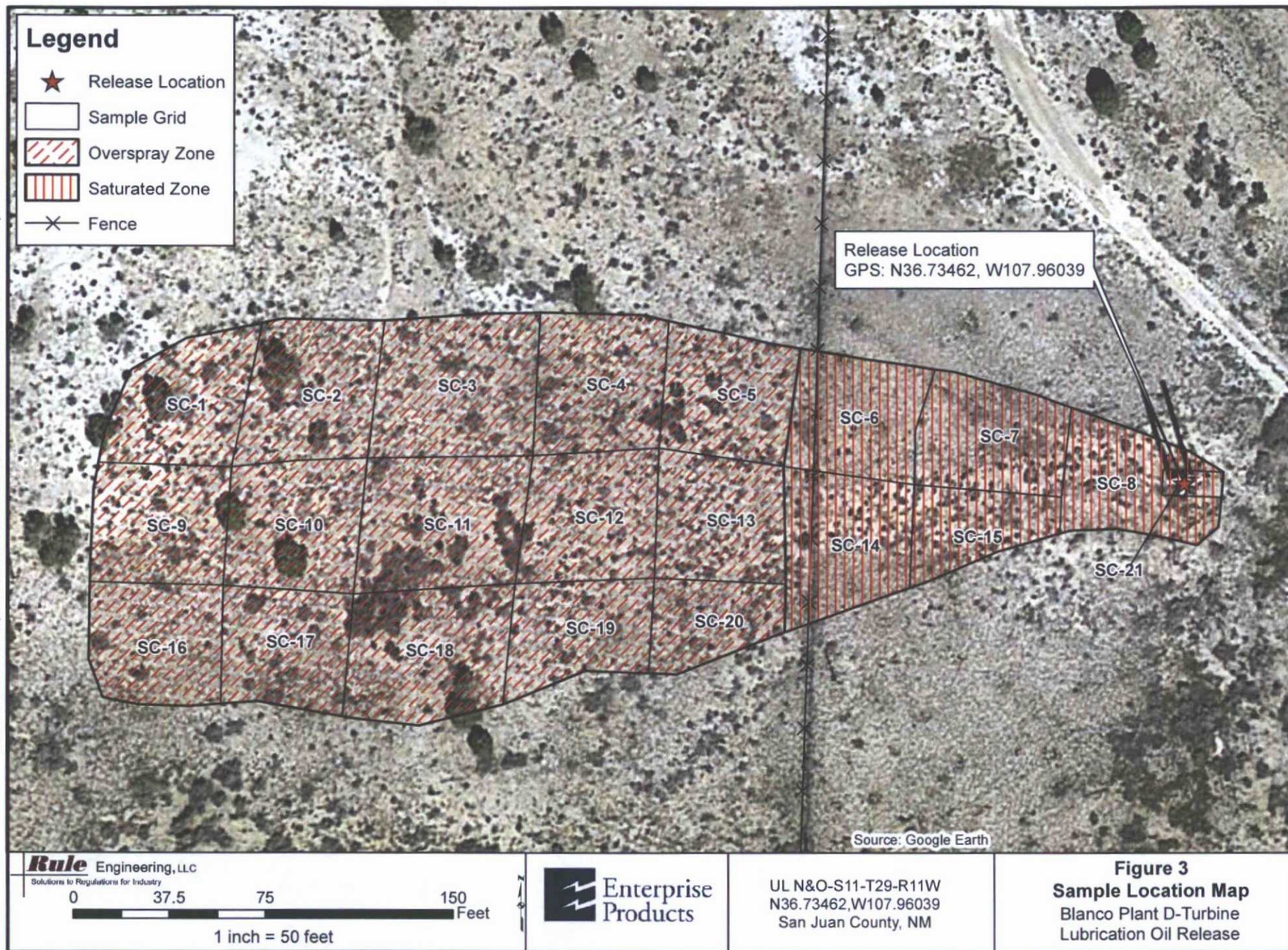
Rule Engineering, LLC
Solutions to Regulations for Industry

0 100 200 400 Feet
1 inch = 125 feet



UL N&O-S11-T29-R11W
N36.73462, W107.96039
San Juan County, NM

Figure 2
Aerial Site Map
Blanco Plant D-Turbine
Lubrication Oil Release



Appendix A

Waste Characterization Analytical Laboratory Report



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

May 09, 2016

Thomas Long
Enterprise Field Services
614 Reilly Ave.
Farmington, NM 87401
TEL: (505) 599-2141
FAX

RE: Blanco Plant ESD Flare

OrderNo.: 1605106

Dear Thomas Long:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/4/2016 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enterprise Field Services

Client Sample ID: SC-1

Project: Blanco Plant ESD Flare

Collection Date: 5/3/2016 3:15:00 PM

Lab ID: 1605106-001

Matrix: SOIL

Received Date: 5/4/2016 7:55:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|-----|----------------------|---------------------|
| MERCURY, TCLP | | | | | | | Analyst: pmf |
| Mercury | ND | 0.020 | | mg/L | 1 | 5/6/2016 10:28:38 AM | 25175 |
| EPA METHOD 6010B: TCLP METALS | | | | | | | Analyst: MED |
| Arsenic | ND | 5.0 | | mg/L | 1 | 5/6/2016 10:28:04 AM | 25174 |
| Barium | ND | 100 | | mg/L | 1 | 5/6/2016 10:28:04 AM | 25174 |
| Cadmium | ND | 1.0 | | mg/L | 1 | 5/6/2016 10:28:04 AM | 25174 |
| Chromium | ND | 5.0 | | mg/L | 1 | 5/6/2016 10:28:04 AM | 25174 |
| Lead | ND | 5.0 | | mg/L | 1 | 5/6/2016 10:28:04 AM | 25174 |
| Selenium | ND | 1.0 | | mg/L | 1 | 5/6/2016 10:28:04 AM | 25174 |
| Silver | ND | 5.0 | | mg/L | 1 | 5/6/2016 10:28:04 AM | 25174 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | 13000 | 990 | | mg/Kg | 100 | 5/5/2016 4:39:02 PM | 25146 |
| Motor Oil Range Organics (MRO) | 56000 | 4900 | | mg/Kg | 100 | 5/5/2016 4:39:02 PM | 25146 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 100 | 5/5/2016 4:39:02 PM | 25146 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 79 | 4.8 | | mg/Kg | 1 | 5/5/2016 9:09:41 AM | 25141 |
| Surr: BFB | 112 | 80-120 | | %Rec | 1 | 5/5/2016 9:09:41 AM | 25141 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | 1.4 | 0.024 | | mg/Kg | 1 | 5/5/2016 9:09:41 AM | 25141 |
| Toluene | 3.2 | 0.048 | | mg/Kg | 1 | 5/5/2016 9:09:41 AM | 25141 |
| Ethylbenzene | 0.18 | 0.048 | | mg/Kg | 1 | 5/5/2016 9:09:41 AM | 25141 |
| Xylenes, Total | 1.9 | 0.096 | | mg/Kg | 1 | 5/5/2016 9:09:41 AM | 25141 |
| Surr: 4-Bromofluorobenzene | 125 | 80-120 | S | %Rec | 1 | 5/5/2016 9:09:41 AM | 25141 |

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 |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605106

09-May-16

Client: Enterprise Field Services
Project: Blanco Plant ESD Flare

| | | | | | | | | | | |
|------------|----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | MB-25139 | SampType: | MBLK | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | PBS | Batch ID: | 25139 | RunNo: | 34001 | | | | | |
| Prep Date: | 5/4/2016 | Analysis Date: | 5/5/2016 | SeqNo: | 1047876 | Units: | %Rec | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 7.4 | | 10.00 | | 74.0 | 70 | 130 | | | |

| | | | | | | | | | | |
|--------------------------------|----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | MB-25146 | SampType: | MBLK | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | PBS | Batch ID: | 25146 | RunNo: | 34001 | | | | | |
| Prep Date: | 5/4/2016 | Analysis Date: | 5/5/2016 | SeqNo: | 1047877 | 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 | 7.6 | | 10.00 | | 76.5 | 70 | 130 | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | LCS-25139 | SampType: | LCS | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | LCSS | Batch ID: | 25139 | RunNo: | 34001 | | | | | |
| Prep Date: | 5/4/2016 | Analysis Date: | 5/5/2016 | SeqNo: | 1048346 | Units: | %Rec | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 3.7 | | 5.000 | | 74.0 | 70 | 130 | | | |

| | | | | | | | | | | |
|-----------------------------|-----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | LCS-25146 | SampType: | LCS | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | LCSS | Batch ID: | 25146 | RunNo: | 34001 | | | | | |
| Prep Date: | 5/4/2016 | Analysis Date: | 5/5/2016 | SeqNo: | 1048347 | 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 | 94.2 | 65.8 | 136 | | | |
| Surr: DNOP | 3.9 | | 5.000 | | 77.9 | 70 | 130 | | | |

| | | | | | | | | | | |
|------------|----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | MB-25182 | SampType: | MBLK | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | PBS | Batch ID: | 25182 | RunNo: | 34035 | | | | | |
| Prep Date: | 5/6/2016 | Analysis Date: | 5/6/2016 | SeqNo: | 1048881 | Units: | %Rec | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 10 | | 10.00 | | 102 | 70 | 130 | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | LCS-25182 | SampType: | LCS | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | LCSS | Batch ID: | 25182 | RunNo: | 34035 | | | | | |
| Prep Date: | 5/6/2016 | Analysis Date: | 5/6/2016 | SeqNo: | 1049232 | Units: | %Rec | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 4.5 | | 5.000 | | 89.4 | 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
- R RPD outside accepted recovery limits
- 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 Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605106

09-May-16

Client: Enterprise Field Services

Project: Blanco Plant ESD Flare

| | | | | | | | | | | |
|-------------------------------|----------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-25141 | SampType: | MBLK | TestCode: | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | PBS | Batch ID: | 25141 | RunNo: | 33991 | | | | | |
| Prep Date: | 5/4/2016 | Analysis Date: | 5/5/2016 | SeqNo: | 1047349 | 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 | 880 | | 1000 | | 88.4 | 80 | 120 | | | |

| | | | | | | | | | | |
|-------------------------------|-----------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-25141 | SampType: | LCS | TestCode: | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | LCSS | Batch ID: | 25141 | RunNo: | 33991 | | | | | |
| Prep Date: | 5/4/2016 | Analysis Date: | 5/4/2016 | SeqNo: | 1047350 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 24 | 5.0 | 25.00 | 0 | 97.7 | 80 | 120 | | | |
| Surr: BFB | 1000 | | 1000 | | 102 | 80 | 120 | | | |

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 |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605106

09-May-16

Client: Enterprise Field Services

Project: Blanco Plant ESD Flare

| | | | | | | | | | | |
|----------------------------|----------|-------|-------------------------|-------------|---------------------------------------|----------|--------------|------|----------|------|
| Sample ID | MB-25141 | | SampType: MBLK | | TestCode: EPA Method 8021B: Volatiles | | | | | |
| Client ID: | PBS | | Batch ID: 25141 | | RunNo: 33991 | | | | | |
| Prep Date: | 5/4/2016 | | Analysis Date: 5/5/2016 | | SeqNo: 1047378 | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 107 | 80 | 120 | | | |

| | | | | | | | | | | |
|----------------------------|-----------|-------|-------------------------|-------------|---------------------------------------|----------|--------------|------|----------|------|
| Sample ID | LCS-25141 | | SampType: LCS | | TestCode: EPA Method 8021B: Volatiles | | | | | |
| Client ID: | LCSS | | Batch ID: 25141 | | RunNo: 33991 | | | | | |
| Prep Date: | 5/4/2016 | | Analysis Date: 5/5/2016 | | SeqNo: 1047379 | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.93 | 0.025 | 1.000 | 0 | 92.6 | 75.3 | 123 | | | |
| Toluene | 1.0 | 0.050 | 1.000 | 0 | 102 | 80 | 124 | | | |
| Ethylbenzene | 1.0 | 0.050 | 1.000 | 0 | 104 | 82.8 | 121 | | | |
| Xylenes, Total | 3.1 | 0.10 | 3.000 | 0 | 105 | 83.9 | 122 | | | |
| Surr: 4-Bromofluorobenzene | 1.2 | | 1.000 | | 119 | 80 | 120 | | | |

| | | | | | | | | | | | |
|----------------------------|----------------|-------|----------------|-------------|------|-----------|-----------------------------|------|--------------|------|--|
| Sample ID | 1605106-001AMS | | SampType: | MS | | TestCode: | EPA Method 8021B: Volatiles | | | | |
| Client ID: | SC-1 | | Batch ID: | 25141 | | RunNo: | 33991 | | | | |
| Prep Date: | 5/4/2016 | | Analysis Date: | 5/5/2016 | | SeqNo: | 1047380 | | Units: mg/Kg | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Benzene | 2.4 | 0.025 | 0.9980 | 1.372 | 100 | 71.5 | 122 | | | | |
| Toluene | 4.0 | 0.050 | 0.9980 | 3.212 | 75.3 | 71.2 | 123 | | | | |
| Ethylbenzene | 1.3 | 0.050 | 0.9980 | 0.1799 | 115 | 75.2 | 130 | | | | |
| Xylenes, Total | 5.1 | 0.10 | 2.994 | 1.862 | 107 | 72.4 | 131 | | | | |
| Surr: 4-Bromofluorobenzene | 1.2 | | 0.9980 | | 120 | 80 | 120 | | | S | |

| | | | | | | | | | | | |
|----------------------------|-----------------|-------|----------------|-------------|------|-----------|-----------------------------|------|--------------|------|--|
| Sample ID | 1605106-001AMSD | | SampType: | MSD | | TestCode: | EPA Method 8021B: Volatiles | | | | |
| Client ID: | SC-1 | | Batch ID: | 25141 | | RunNo: | 33991 | | | | |
| Prep Date: | 5/4/2016 | | Analysis Date: | 5/5/2016 | | SeqNo: | 1047381 | | Units: mg/Kg | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Benzene | 2.7 | 0.024 | 0.9718 | 1.372 | 140 | 71.5 | 122 | 14.2 | 20 | S | |
| Toluene | 4.5 | 0.049 | 0.9718 | 3.212 | 133 | 71.2 | 123 | 12.7 | 20 | S | |
| Ethylbenzene | 1.4 | 0.049 | 0.9718 | 0.1799 | 129 | 75.2 | 130 | 7.98 | 20 | | |
| Xylenes, Total | 5.6 | 0.097 | 2.915 | 1.862 | 128 | 72.4 | 131 | 9.62 | 20 | | |
| Surr: 4-Bromofluorobenzene | 1.2 | | 0.9718 | | 125 | 80 | 120 | 0 | 0 | S | |

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 |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605106

09-May-16

Client: Enterprise Field Services

Project: Blanco Plant ESD Flare

| | | | | | | | | | | |
|-----------|----------|---------------|-----------|-------------|---------------|----------|-----------|------|----------|------|
| Sample ID | MB-25175 | SampType | MBLK | TestCode | MERCURY, TCLP | | | | | |
| Client ID | PBW | Batch ID | 25175 | RunNo | 34030 | | | | | |
| Prep Date | 5/5/2016 | Analysis Date | 5/6/2016 | SeqNo | 1048594 | Units | mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Mercury | ND | 0.020 | | | | | | | | |

| | | | | | | | | | | |
|-----------|-----------|---------------|-----------|-------------|---------------|----------|-----------|------|----------|------|
| Sample ID | LCS-25175 | SampType | LCS | TestCode | MERCURY, TCLP | | | | | |
| Client ID | LCSW | Batch ID | 25175 | RunNo | 34030 | | | | | |
| Prep Date | 5/5/2016 | Analysis Date | 5/6/2016 | SeqNo | 1048595 | Units | mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Mercury | ND | 0.020 | 0.005000 | 0 | 104 | 80 | 120 | | | |

| | | | | | | | | | | |
|-----------|----------------|---------------|-----------|-------------|---------------|----------|-----------|------|----------|------|
| Sample ID | 1605106-001AMS | SampType | MS | TestCode | MERCURY, TCLP | | | | | |
| Client ID | SC-1 | Batch ID | 25175 | RunNo | 34030 | | | | | |
| Prep Date | 5/5/2016 | Analysis Date | 5/6/2016 | SeqNo | 1048597 | Units | mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Mercury | ND | 0.020 | 0.005000 | 0 | 100 | 75 | 125 | | | |

| | | | | | | | | | | |
|-----------|-----------------|---------------|-----------|-------------|---------------|----------|-----------|------|----------|------|
| Sample ID | 1605106-001AMSD | SampType | MSD | TestCode | MERCURY, TCLP | | | | | |
| Client ID | SC-1 | Batch ID | 25175 | RunNo | 34030 | | | | | |
| Prep Date | 5/5/2016 | Analysis Date | 5/6/2016 | SeqNo | 1048598 | Units | mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Mercury | ND | 0.020 | 0.005000 | 0 | 100 | 75 | 125 | 0 | 20 | |

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 |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605106

09-May-16

Client: Enterprise Field Services

Project: Blanco Plant ESD Flare

| | | | | | | | | | | |
|------------|----------|-----|-------------------------|-------------|---|----------|-------------|------|----------|------|
| Sample ID | MB-25174 | | SampType: MBLK | | TestCode: EPA Method 6010B: TCLP Metals | | | | | |
| Client ID: | PBW | | Batch ID: 25174 | | RunNo: 34027 | | | | | |
| Prep Date: | 5/5/2016 | | Analysis Date: 5/6/2016 | | SeqNo: 1048575 | | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Arsenic | ND | 5.0 | | | | | | | | |
| Barium | ND | 100 | | | | | | | | |
| Cadmium | ND | 1.0 | | | | | | | | |
| Chromium | ND | 5.0 | | | | | | | | |
| Lead | ND | 5.0 | | | | | | | | |
| Selenium | ND | 1.0 | | | | | | | | |
| Silver | ND | 5.0 | | | | | | | | |

| | | | | | | | | | | |
|------------|-----------|-----|-------------------------|-------------|---|----------|-------------|------|----------|------|
| Sample ID | LCS-25174 | | SampType: LCS | | TestCode: EPA Method 6010B: TCLP Metals | | | | | |
| Client ID: | LCSW | | Batch ID: 25174 | | RunNo: 34027 | | | | | |
| Prep Date: | 5/5/2016 | | Analysis Date: 5/6/2016 | | SeqNo: 1048576 | | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Arsenic | ND | 5.0 | 0.5000 | 0 | 102 | 80 | 120 | | | |
| Barium | ND | 100 | 0.5000 | 0 | 98.2 | 80 | 120 | | | |
| Cadmium | ND | 1.0 | 0.5000 | 0 | 101 | 80 | 120 | | | |
| Chromium | ND | 5.0 | 0.5000 | 0 | 95.3 | 80 | 120 | | | |
| Lead | ND | 5.0 | 0.5000 | 0 | 97.4 | 80 | 120 | | | |
| Selenium | ND | 1.0 | 0.5000 | 0 | 106 | 80 | 120 | | | |
| Silver | ND | 5.0 | 0.1000 | 0 | 103 | 80 | 120 | | | |

| | | | | | | | | | | |
|------------|----------------|-----|-------------------------|-------------|---|----------|-------------|------|----------|------|
| Sample ID | 1605106-001AMS | | SampType: MS | | TestCode: EPA Method 6010B: TCLP Metals | | | | | |
| Client ID: | SC-1 | | Batch ID: 25174 | | RunNo: 34027 | | | | | |
| Prep Date: | 5/5/2016 | | Analysis Date: 5/6/2016 | | SeqNo: 1048583 | | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Arsenic | ND | 5.0 | 0.5000 | 0.01700 | 97.3 | 75 | 125 | | | |
| Barium | ND | 100 | 0.5000 | 0.4336 | 105 | 75 | 125 | | | |
| Cadmium | ND | 1.0 | 0.5000 | 0 | 95.8 | 75 | 125 | | | |
| Chromium | ND | 5.0 | 0.5000 | 0 | 90.9 | 75 | 125 | | | |
| Lead | ND | 5.0 | 0.5000 | 0.001700 | 91.3 | 75 | 125 | | | |
| Selenium | ND | 1.0 | 0.5000 | 0.02035 | 93.9 | 75 | 125 | | | |
| Silver | ND | 5.0 | 0.1000 | 0 | 97.2 | 75 | 125 | | | |

| | | | | | | | | | | | |
|------------|-----------------|-----|----------------|-------------|------|-----------|-------------------------------|------|-------------|------|--|
| Sample ID | 1605106-001AMSD | | SampType: | MSD | | TestCode: | EPA Method 6010B: TCLP Metals | | | | |
| Client ID: | SC-1 | | Batch ID: | 25174 | | RunNo: | 34027 | | | | |
| Prep Date: | 5/5/2016 | | Analysis Date: | 5/6/2016 | | SeqNo: | 1048584 | | Units: mg/L | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Arsenic | ND | 5.0 | 0.5000 | 0.01700 | 94.1 | 75 | 125 | 0 | 20 | | |

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 |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605106

09-May-16

Client: Enterprise Field Services

Project: Blanco Plant ESD Flare

| | | | | | | | | | | |
|----------------------------|--------|-------------------------|-----------|-------------|---|----------|-------------|------|----------|------|
| Sample ID: 1605106-001AMSD | | SampType: MSD | | | TestCode: EPA Method 6010B: TCLP Metals | | | | | |
| Client ID: SC-1 | | Batch ID: 25174 | | | RunNo: 34027 | | | | | |
| Prep Date: 5/5/2016 | | Analysis Date: 5/6/2016 | | | SeqNo: 1048584 | | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Barium | ND | 100 | 0.5000 | 0.4336 | 99.3 | 75 | 125 | 0 | 20 | |
| Cadmium | ND | 1.0 | 0.5000 | 0 | 93.1 | 75 | 125 | 0 | 20 | |
| Chromium | ND | 5.0 | 0.5000 | 0 | 88.3 | 75 | 125 | 0 | 20 | |
| Lead | ND | 5.0 | 0.5000 | 0.001700 | 88.6 | 75 | 125 | 0 | 20 | |
| Selenium | ND | 1.0 | 0.5000 | 0.02035 | 92.1 | 75 | 125 | 0 | 20 | |
| Silver | ND | 5.0 | 0.1000 | 0 | 93.4 | 75 | 125 | 0 | 20 | |

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 |
| R RPD outside accepted recovery limits | 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

Sample Log-In Check List

Client Name: Enterprise

Work Order Number: 1605106

RcptNo: 1

Received by/date:

Logged By: Lindsay Mangin

5/4/2016 7:55:00 AM

Completed By: Lindsay Mangin

5/4/2016 8:18:33 AM

Reviewed By:

Chain of Custody

1. Custody seals intact on sample bottles?
2. Is Chain of Custody complete?
3. How was the sample delivered?

Yes ☐ No ☐ Not Present ☒
Yes ☒ No ☐ Not Present ☐
Courier

Log In

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

Yes ☒ No ☐ NA ☐
Yes ☒ No ☐ NA ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐ NA ☐
Yes ☐ No ☐ No VOA Vials ☒
Yes ☐ No ☒
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by _____

Special Handling (if applicable)

16. 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: _____

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 1.4 | Good | Yes | | | |

| | | | |
|-----------------------------------|--|-----------------------------|--|
| Turn-Around Time: | | Results by | |
| <input type="checkbox"/> Standard | <input checked="" type="checkbox"/> Rush | May 16 th | |
| Project Name: | | Bionco Plant ESD Flare | |
| Project #: | | | |
| Project Manager: | | Tom Long | |
| Sampler: | | TL | |
| On Ice: | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Sample Temperature: | | 1.4 | |

☐ Standard☒ Rush

Results by
May 6th

| |
|---------------|
| Project Name: |
|---------------|

Biorce Plant ESD Flare

Project #:

Project Manager:

Tom Long

Sampler:

On Ice: ☒ Yes ☐ No

Sample Temperature: 1, 4

Container
Type and #Preservative
Type

HEAL No.

1605106

- 001

BTEX + MTBE + TMB's (8021)

BTEX + MTBE + TPH (Gas only)

TPH 8015B (GRO / DRO / ~~MRO~~)

TPH (Method 418.1)

EDB (Method 504.1)

PAH's (8310 or 8270 SIMS)

RCRA 8 Metals TCLP

Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)

8081 Pesticides / 8082 PCB's

8260B (VOA)

8270 (Semi-VOA)

Air Bubbles (Y or N)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

| | | | | | |
|------|-------|------------------|--------------|----------|------|
| te: | Time: | Relinquished by: | Received by: | Date | Time |
| 1/16 | 1545 | James Long | Cur Wood | 5/31/16 | 1545 |
| te: | Time: | Relinquished by: | Received by: | Date | Time |
| 1/16 | 1946 | Chad Walcott | [Signature] | 05/31/16 | 0745 |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Appendix B

Archeological Report

WCRM

Western Cultural Resource Management, Inc.

May 23, 2016

Mr. Thomas J. Long
Senior Environmental Scientist
Enterprise Production Company
614 Reilly Ave.
Farmington, NM 87401

Dear Thomas:

As requested, the client copy of our report on the archaeological survey of the proposed Blanco Plant-D Turbine Lube Oil Release project has been submitted electronically to you. During the survey, no cultural material was encountered.

Cultural resource clearance for this undertaking to proceed is recommended. The agency copies of the report have been submitted to the Bureau of Land Management, Farmington Field Office, who will review this report and make the final decision on archaeological approval for your project.

Please contact us if you have any questions concerning the report.

Sincerely,



Charles W. Wheeler, Ph.D., RPA
Vice President

enc.

cc: Jim Copeland, BLM
Heather Woods, Rule Engineering (electronic)
Tom Lennon, WCRM

COLORADO
NEW MEXICO
NEVADA
ARIZONA

P.O. Box 2326, Boulder, CO 80306 · Phone 303-449-1151 Fax 303-530-7716
2603 W. Main St., Suite B, Farmington, NM 87401 · Phone 505-326-7420 Fax 505-324-1107
50 Freeport Blvd., Suite 15, Sparks, NV 89431 · Phone 775-358-9003 Fax 775-358-1387
3014 N. Hayden Rd., Suite 118, Scottsdale, AZ 85251 · Phone 480-423-6837 Fax 480-874-4719

NMCRIIS INVESTIGATION ABSTRACT FORM (NIAF)

| 1. NMCRIIS Activity No.: 135794 | 2a. Lead (Sponsoring) Agency: Bureau of Land Management, Farmington Field Office | 2b. Other Permitting Agency(ies): | 3. Lead Agency Report No.: | | | | | | | | | |
|--|--|---|--|---|-----------------|--------------|--|------|------|---------------|-------------|-------------|
| 4. Title of Report: Cultural Resource Inventory of Enterprise Production Company Blanco Plant-D Turbine Lube Oil Release Project, San Juan County, New Mexico Author: Michael J. Proper | | | 5. Type of Report <input checked="" type="checkbox"/> Negative <input type="checkbox"/> Positive | | | | | | | | | |
| 6. Investigation Type <input type="checkbox"/> Research Design <input checked="" type="checkbox"/> Survey/Inventory <input type="checkbox"/> Test Excavation <input type="checkbox"/> Excavation <input type="checkbox"/> Collections/Non-Field Study <input type="checkbox"/> Overview/Lit Review <input type="checkbox"/> Monitoring <input type="checkbox"/> Ethnographic study <input type="checkbox"/> Site specific visit <input type="checkbox"/> Other | | | | | | | | | | | | |
| 7. Description of Undertaking (what does the project entail?): Enterprise Production Company proposes to remediate an area of approximately 250 x 450 ft. The area affected is enclosed by a T-post and snow fence barrier and will have an area of potential effect (APE) of 2.58 acres. The reclamation will involve mechanical equipment used during all phases of the restoration. Currently, the remediation plan is under development to determine a method to treat the area affected by the oil release. | | | 8. Dates of Investigation: May 10, 2016 9. Report Date: May 23, 2016 | | | | | | | | | |
| 10. Performing Agency/Consultant: Western Cultural Resource Management, Inc. Principal Investigator: Thomas J. Lennon Field Supervisor: Michael J. Proper Field Personnel Names: Michael J. Proper | | | 11. Performing Agency/Consultant Report No.: WCRM(F)1438 Project No.: 16F042 12. Applicable Cultural Resource Permit No(s): 25-2920-15-QQ | | | | | | | | | |
| 13. Client/Customer (project proponent): Enterprise Production Company Contact: Thomas J. Long Address: 614 Reilly Ave., Farmington, New Mexico 87401 Phone: (505) 599-2286 | | | 14. Client/Customer Project No.: AFE No. A25492 | | | | | | | | | |
| 15. Land Ownership Status (<u>Must</u> be indicated on project map): <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Land Owner</th> <th style="text-align: center;">Acres Surveyed*</th> <th style="text-align: center;">Acres in APE</th> </tr> </thead> <tbody> <tr> <td>Bureau of Land Management, Farmington Field Office</td> <td style="text-align: center;">4.14</td> <td style="text-align: center;">2.58</td> </tr> <tr> <td style="text-align: right;">TOTALS</td> <td style="text-align: center;">4.14</td> <td style="text-align: center;">2.58</td> </tr> </tbody> </table> <p>*as calculated in ArcGIS</p> | | | | Land Owner | Acres Surveyed* | Acres in APE | Bureau of Land Management, Farmington Field Office | 4.14 | 2.58 | TOTALS | 4.14 | 2.58 |
| Land Owner | Acres Surveyed* | Acres in APE | | | | | | | | | | |
| Bureau of Land Management, Farmington Field Office | 4.14 | 2.58 | | | | | | | | | | |
| TOTALS | 4.14 | 2.58 | | | | | | | | | | |
| 16. Records Search(es): A literature review was conducted prior to the cultural resource inventory. Two previously recorded sites are located within 0.25 mi of the project area (Appendix B, for agency use only). No sites in the vicinity of the project area are listed on the National Register of Historic Places or State Register of Cultural Properties. According to Van Valkenburgh (1974) no place sacred to the Navajo is located in the vicinity of the project area. A search was conducted of the online GLO records which identified several historic features. On the 1878 GLO map a road was identified as "Road to Las Animas River" it passes 1.0 mi southwest of the project area. Citizens Ditch was illustrated 0.3 mi to the south and a cabin was identified 0.5 mi to the southwest on the 1910 GLO map. Two fences are also shown, running east-west and are over a 0.3 mi southeast of the project area. Van Valkenburgh, Richard F. 1974 <i>Navajo Sacred Places and A Short History of the Navajo People</i> . Garland American Indian Ethnohistory Series, Navajo Indians, 3 Vols. Garland Publishing, Inc., New York and London. | | | | | | | | | | | | |
| Date of ARMS File Review: 5/9/2016 Date of NR/SR File Review: 5/11/2016 Date of Other Agency File Review: 5/9/2016 | | Name of Reviewer: Bob Estes Name of Reviewer: Michael J. Proper Name of Reviewer: Deborah V. Gibson Agency: Bureau of Land Management, Farmington Field Office | | | | | | | | | | |
| 17. Survey Data: a. Source Graphics <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83 <input checked="" type="checkbox"/> USGS 7.5' (1:24,000) topo map <input type="checkbox"/> Other topo map, Scale: <input checked="" type="checkbox"/> GPS Unit Accuracy <input type="checkbox"/> <1.0m <input checked="" type="checkbox"/> 1-10m <input type="checkbox"/> 10-100m <input type="checkbox"/> >100m b. USGS 7.5' Topographic Map Name USGS Quad Code <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Bloomfield, NM 1985 (provisional edition)</td> <td>36107-F8</td> </tr> <tr> <td> </td> <td> </td> </tr> </table> c. County: San Juan | | | | Bloomfield, NM 1985 (provisional edition) | 36107-F8 | | | | | | | |
| Bloomfield, NM 1985 (provisional edition) | 36107-F8 | | | | | | | | | | | |
| | | | | | | | | | | | | |

17. Survey Data (continued):**d. Nearest City or Town:** Bloomfield, New Mexico**e. Legal Description:**

| Township (N/S) | Range (E/W) | Section | 1/4 | 1/4 | 1/4 |
|----------------|-------------|---------|---------------------|-----|-----|
| 29N | 11W | 11* | E1/4, SE1/4, SW1/4. | | |
| | | | W1/2, SW1/4, SE1/4 | | |

* template anchored on SE corner and southern section line

Projected legal description? Yes [] , No [X] Unplatted []

f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):**18. Survey Field Methods:**Intensity: ☒ 100% coverage ☐ <100% coverageConfiguration: ☒ block survey units ☐ linear survey units (l x w): ☐ other survey units (specify):Scope: ☒ non-selective (all sites recorded) ☐ selective/thematic (selected sites recorded)Coverage Method: ☒ systematic pedestrian coverage ☐ other method (describe)

Survey Interval (m): 15 Crew Size: 1 Fieldwork Dates: May 10, 2016

Survey Person Hours: 6 Recording Person Hours: 0 Total Hours: 6

Additional Narrative: Survey of the project area was conducted on May 10, 2016, under partly cloudy skies with warm temperatures by WCRM archaeologist Michael J. Proper who walked parallel transects 50 ft apart. The area of inventory for the project area includes the 250 x 450 ft fenced area and a 100 ft cultural buffer zone, for a total surveyed area of 450 x 650 ft. Relevant waypoints were recorded in the field using a handheld GPS unit accurate to 1 to 10 m.

19. Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.): The project area is located on south-facing slopes of a low mesa between West Fork of Bloomfield and Hare Canyons, approximately 0.42 mi north from Citizens Ditch. Elevation ranges from 5620 to 5660 ft. Sediment is sandy loam with gravel inclusions. Vegetation in the project area consists of an overstory of juniper with an understory of big sagebrush, four-wing saltbush, Indian ricegrass, cheat grass, ephedra, prickly pear cactus, snakeweed, Russian thistle, narrowleaf yucca, wolfberry, and cholla.

20.a. Percent Ground Visibility: 50 **b. Condition of Survey Area (grazed, bladed, undisturbed, etc.):** Energy development, livestock grazing, and recreation are activities currently taking place in the project area.

21. CULTURAL RESOURCE FINDINGS ☐ Yes, See Page 3 ☒ No, Discuss Why: No cultural resources were located.**22. Required Attachments (check all appropriate boxes):**☒ USGS 7.5 Topographic Map with sites, isolates, and survey area clearly drawn☒ Copy of NMCRIS Mapserver Map Check☐ LA Site Forms - new sites (*with sketch map & topographic map*)☐ LA Site Forms (update) - previously recorded & un-relocated sites (*first 2 pages minimum*)☐ Historic Cultural Property Inventory Forms☐ List and Description of isolates, if applicable (see p. 3)☐ List and Description of Collections, if applicable**23. Other Attachments:**☐ Photographs and Log☐ Other Attachments

(Describe):

24. I certify the information provided above is correct and accurate and meets all applicable agency standards.**Principal Investigator/Responsible Archaeologist:** Charles W. Wheeler, Ph.D., RPA

Signature



Date

5/23/16

Title (if not PI):

25. Reviewing Agency:

Reviewer's Name/Date

Accepted () Rejected ()

Tribal Consultation (if applicable): ☐ Yes ☐ No**26. SHPO**

Reviewer's Name/Date:

HPD Log #:

SHPO File Location:

Date sent to ARMS:

CULTURAL RESOURCE FINDINGS

[fill in appropriate section(s)]

| | | |
|--|---|-----------------------------------|
| 1. NMCRIS Activity No.: 135794 | 2. Lead (Sponsoring) Agency: Bureau of Land Management, Farmington Field Office | 3. Lead Agency Report No.: |
|--|---|-----------------------------------|

SURVEY RESULTS: No cultural resources were located during the survey.

Sites discovered and registered: 0

Sites discovered and NOT registered: 0

Previously recorded sites revisited *(site update form required)*: 0

Previously recorded sites not relocated *(site update form required)*: 0

TOTAL SITES VISITED: 0

Total isolates recorded: 0 **Non-selective isolate recording?** ☐

Total structures recorded *(new and previously recorded, including acequias)*: 0

MANAGEMENT SUMMARY: Cultural resource approval for this undertaking to proceed is recommended.

IF REPORT IS NEGATIVE YOU ARE DONE AT THIS POINT.

SURVEY LA NUMBER LOG

Sites Discovered:

| LA No. | Field/Agency No. | Eligible? (Y/N, applicable criteria) |
|--------|------------------|--------------------------------------|
| | | |
| | | |
| | | |

Previously recorded revisited sites:

| LA No. | Field/Agency No. | Eligible? (Y/N, applicable criteria) |
|--------|------------------|--------------------------------------|
| | | |
| | | |
| | | |

MONITORING LA NUMBER LOG *(site form required)*

Sites Discovered *(site form required)* :

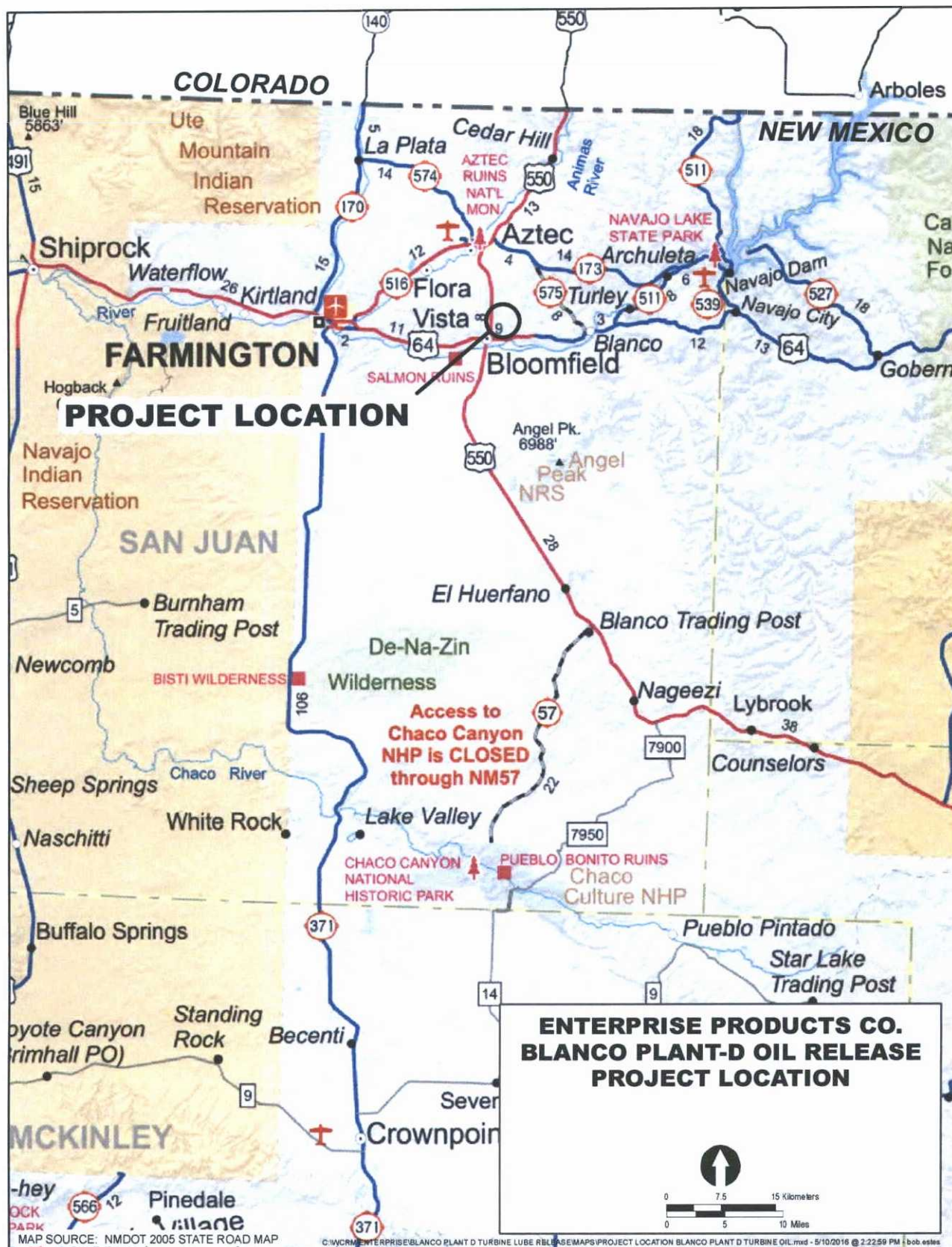
Previously recorded sites *(Site update form required)*:

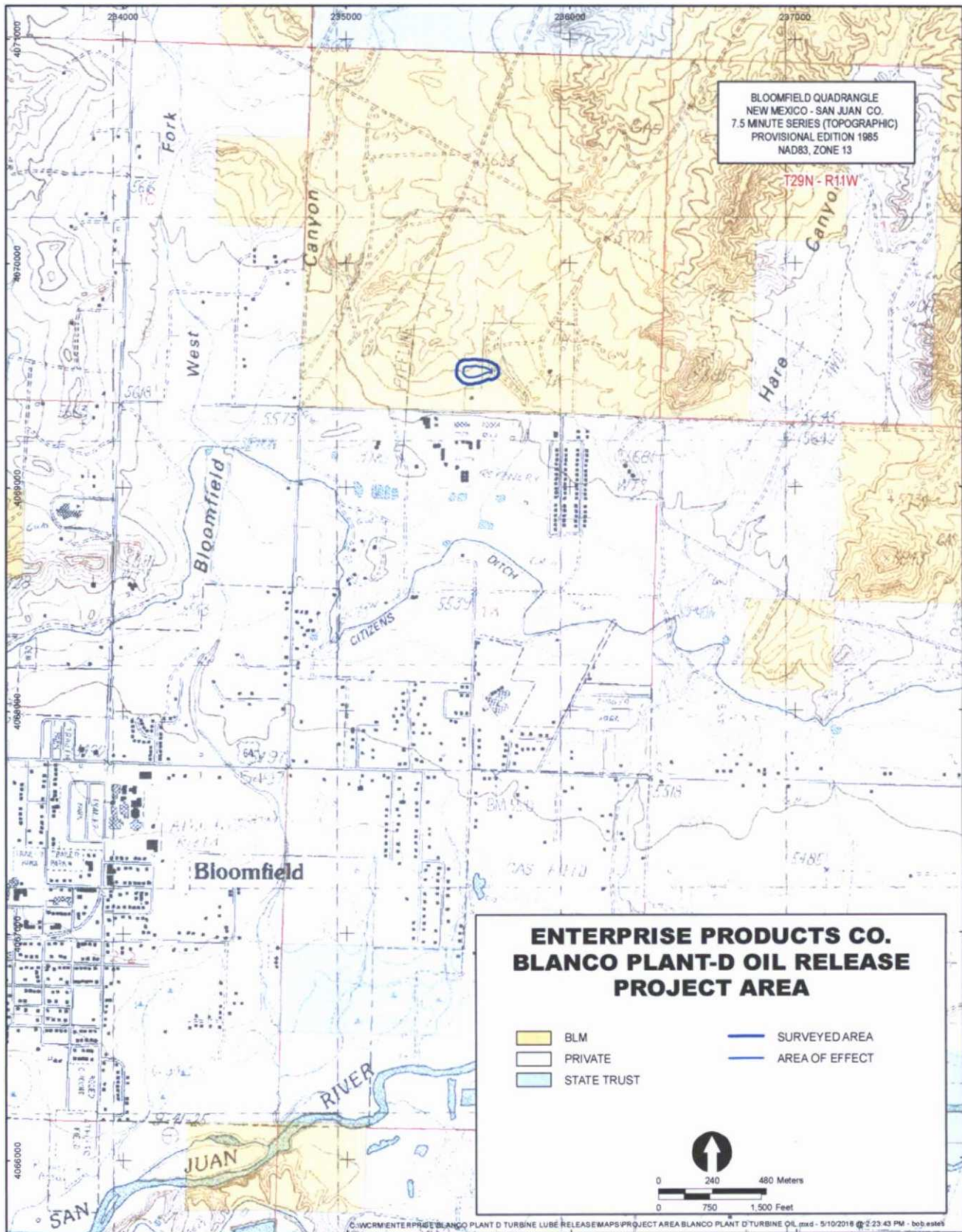
| LA No. | Field/Agency No. | LA No. | Field/Agency No. |
|--------|------------------|--------|------------------|
| | | | |
| | | | |
| | | | |

Areas outside known nearby site boundaries monitored? Yes ☐, No ☐ If no explain why:

TESTING & EXCAVATION LA NUMBER LOG *(site form required)*

| Tested LA number(s) | Excavated LA number(s) |
|---------------------|------------------------|
| | |
| | |
| | |





Appendix A

No plats

Appendix C

Executed C-138 Solid Waste Acceptance Form

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

State of New Mexico
Energy Minerals and Natural Resources

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

97057-0776

Form C-138
Revised August 1, 2011

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| | |
|--|---------------|
| 1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Avenue, Farmington, NM 87401 | May/June 2016 |
| 2. Originating Site: Blanco Plant D-Turbine Lube Oil Release Site | |
| 3. Location of Material (Street Address, City, State or ULSTR): Unit Letter O Section 11 Township 29 North Range 11 West; 36.734617, -107.960433 | |
| 4. Source and Description of Waste: Hydrocarbon impacted soil from a lubrication oil release. | |
| 5. Estimated Volume <u>50</u> yd ³ /bbls Known Volume (to be entered by the operator at the end of the haul) <u>634</u> yd ³ /bbls | |
| 5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS | |
| I, <u>Thomas Long</u> representative or authorized agent for <u>Enterprise Field Services, LLC</u> do hereby <small>PRINT & SIGN NAME COMPANY NAME</small> certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) | |
| <input type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Per Load | |
| <input checked="" type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) | |
| <input type="checkbox"/> MSDS Information <input checked="" type="checkbox"/> RCRA Hazardous Waste Analysis <input checked="" type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4) | |
| GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS | |
| I, <u>Thomas Long</u> <u>5-20-16</u> , representative for <u>Enterprise Field Services, LLC</u> authorize Envirotech, Inc. to Generator Signature complete the required testing/sign the Generator Waste Testing Certification. | |
| I, _____, representative for <u>Envirotech, Inc.</u> do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC. | |
| 6. Transporter: <u>West States Energy Contractors, HBL, Flying M</u> | |

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech, Inc. Soil Remediation Facility * Permit #: NM 01-0011

Address of Facility: Hilltop, NM

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree

TITLE: Environmental Manager DATE: 5/24/16

SIGNATURE: [Signature]
Surface Waste Management Facility Authorized Agent


TELEPHONE NO.: 505-632-0615


Appendix D

Photograph Log

Photograph Log
Blanco Plant D-Turbine Lubrication Oil Release
Enterprise Field Services, LLC


Rule

| | |
|--|---|
| Photograph #1 |  |
| Client: Enterprise | |
| Site Name: Blanco Plant D- Turbine Lubrication Oil Release | |
| Date Photo Taken: May 25, 2016 | |
| Release Location: N36.73462, W107.96039 N&O-11-29N-11W San Juan County, NM | |
| Photo Taken by: Thomas Long | Description: Facing northwest, view of the western portion of the final excavation. |

| | |
|--|--|
| Photograph #2 |  |
| Client: Enterprise | |
| Site Name: Blanco Plant D- Turbine Lubrication Oil Release | |
| Date Photo Taken: May 25, 2016 | |
| Release Location: N36.73462, W107.96039 N&O-11-29N-11W San Juan County, NM | |
| Photo Taken by: Thomas Long | Description: Facing north, view of the central portion of the final excavation. |

Photograph Log
Blanco Plant D-Turbine Lubrication Oil Release
Enterprise Field Services, LLC




| | |
|--|---|
| Photograph #3 |  |
| Client: Enterprise | |
| Site Name: Blanco Plant D- Turbine Lubrication Oil Release | |
| Date Photo Taken: May 25, 2016 | |
| Release Location: N36.73462, W107.96039 N&O-11-29N-11W San Juan County, NM | |
| Photo Taken by: Thomas Long | Description: Facing northwest, view of the western portion of the final excavation. |

| | |
|--|--|
| Photograph #4 |  |
| Client: Enterprise | |
| Site Name: Blanco Plant D- Turbine Lubrication Oil Release | |
| Date Photo Taken: May 25, 2016 | |
| Release Location: N36.73462, W107.96039 N&O-11-29N-11W San Juan County, NM | |
| Photo Taken by: Heather Woods | Description: Facing west, view of the south side of the final excavation near the blowdown vent. |

Photograph Log
Blanco Plant D-Turbine Lubrication Oil Release
Enterprise Field Services, LLC

Rule

| | |
|--|--|
| Photograph #5 |  |
| Client: Enterprise | |
| Site Name: Blanco Plant D- Turbine Lubrication Oil Release | |
| Date Photo Taken: May 25, 2016 | |
| Release Location: N36.73462, W107.96039 N&O-11-29N-11W San Juan County, NM | |
| Photo Taken by: Heather Woods | |
| Description: Facing west, view of the north side of the final excavation near the blowdown vent. | |

Appendix E

Confirmation Soil Sampling Analytical Laboratory Report



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

May 31, 2016

Heather Woods
Rule Engineering LLC
501 Airport Dr., Ste 205
Farmington, NM 87401
TEL: (505) 325-1055
FAX

RE: Enterprise Blanco Plant D Turbine

OrderNo.: 1605B88

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 21 sample(s) on 5/26/2016 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 #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1605B88

Date Reported: 5/31/2016

CLIENT: Rule Engineering LLC

Client Sample ID: SC-1

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 1:08:00 PM

Lab ID: 1605B88-001

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 5/27/2016 1:55:02 PM | 25515 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 5/27/2016 1:55:02 PM | 25515 |
| Surr: DNOP | 99.3 | 70-130 | | %Rec | 1 | 5/27/2016 1:55:02 PM | 25515 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.7 | | mg/Kg | 1 | 5/26/2016 2:31:46 PM | A34501 |
| Surr: BFB | 91.4 | 80-120 | | %Rec | 1 | 5/26/2016 2:31:46 PM | A34501 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.018 | | mg/Kg | 1 | 5/26/2016 2:31:46 PM | B34501 |
| Toluene | ND | 0.037 | | mg/Kg | 1 | 5/26/2016 2:31:46 PM | B34501 |
| Ethylbenzene | ND | 0.037 | | mg/Kg | 1 | 5/26/2016 2:31:46 PM | B34501 |
| Xylenes, Total | ND | 0.073 | | mg/Kg | 1 | 5/26/2016 2:31:46 PM | B34501 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %Rec | 1 | 5/26/2016 2:31:46 PM | B34501 |

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 |
| | R | RPD outside accepted recovery limits | 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 1605B88

Date Reported: 5/31/2016

CLIENT: Rule Engineering LLC

Client Sample ID: SC-2

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 1:14:00 PM

Lab ID: 1605B88-002

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | 13 | 9.9 | | mg/Kg | 1 | 5/27/2016 2:50:37 PM | 25515 |
| Motor Oil Range Organics (MRO) | 72 | 50 | | mg/Kg | 1 | 5/27/2016 2:50:37 PM | 25515 |
| Surr: DNOP | 95.8 | 70-130 | | %Rec | 1 | 5/27/2016 2:50:37 PM | 25515 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.8 | | mg/Kg | 1 | 5/26/2016 2:56:15 PM | A34501 |
| Surr: BFB | 89.5 | 80-120 | | %Rec | 1 | 5/26/2016 2:56:15 PM | A34501 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.019 | | mg/Kg | 1 | 5/26/2016 2:56:15 PM | B34501 |
| Toluene | ND | 0.038 | | mg/Kg | 1 | 5/26/2016 2:56:15 PM | B34501 |
| Ethylbenzene | ND | 0.038 | | mg/Kg | 1 | 5/26/2016 2:56:15 PM | B34501 |
| Xylenes, Total | ND | 0.076 | | mg/Kg | 1 | 5/26/2016 2:56:15 PM | B34501 |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %Rec | 1 | 5/26/2016 2:56:15 PM | B34501 |

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 |
| | R | RPD outside accepted recovery limits | 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 1605B88

Date Reported: 5/31/2016

CLIENT: Rule Engineering LLC

Client Sample ID: SC-3

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 1:16:00 PM

Lab ID: 1605B88-003

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.1 | | mg/Kg | 1 | 5/27/2016 3:34:18 PM | 25515 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 5/27/2016 3:34:18 PM | 25515 |
| Surr: DNOP | 87.3 | 70-130 | | %Rec | 1 | 5/27/2016 3:34:18 PM | 25515 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.3 | | mg/Kg | 1 | 5/26/2016 3:20:50 PM | A34501 |
| Surr: BFB | 87.2 | 80-120 | | %Rec | 1 | 5/26/2016 3:20:50 PM | A34501 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.022 | | mg/Kg | 1 | 5/26/2016 3:20:50 PM | B34501 |
| Toluene | ND | 0.043 | | mg/Kg | 1 | 5/26/2016 3:20:50 PM | B34501 |
| Ethylbenzene | ND | 0.043 | | mg/Kg | 1 | 5/26/2016 3:20:50 PM | B34501 |
| Xylenes, Total | ND | 0.086 | | mg/Kg | 1 | 5/26/2016 3:20:50 PM | B34501 |
| Surr: 4-Bromofluorobenzene | 99.5 | 80-120 | | %Rec | 1 | 5/26/2016 3:20:50 PM | B34501 |

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 |
| | R | RPD outside accepted recovery limits | 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 1605B88

Date Reported: 5/31/2016

CLIENT: Rule Engineering LLC

Client Sample ID: SC-4

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 1:30:00 PM

Lab ID: 1605B88-004

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 5/27/2016 3:56:04 PM | 25515 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 5/27/2016 3:56:04 PM | 25515 |
| Surr: DNOP | 95.3 | 70-130 | | %Rec | 1 | 5/27/2016 3:56:04 PM | 25515 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.6 | | mg/Kg | 1 | 5/26/2016 3:45:26 PM | A34501 |
| Surr: BFB | 90.5 | 80-120 | | %Rec | 1 | 5/26/2016 3:45:26 PM | A34501 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.018 | | mg/Kg | 1 | 5/26/2016 3:45:26 PM | B34501 |
| Toluene | ND | 0.036 | | mg/Kg | 1 | 5/26/2016 3:45:26 PM | B34501 |
| Ethylbenzene | ND | 0.036 | | mg/Kg | 1 | 5/26/2016 3:45:26 PM | B34501 |
| Xylenes, Total | ND | 0.072 | | mg/Kg | 1 | 5/26/2016 3:45:26 PM | B34501 |
| Surr: 4-Bromofluorobenzene | 103 | 80-120 | | %Rec | 1 | 5/26/2016 3:45:26 PM | B34501 |

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 |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

Analytical Report

Lab Order 1605B88

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Rule Engineering LLC**Client Sample ID:** SC-5**Project:** Enterprise Blanco Plant D Turbine**Collection Date:** 5/25/2016 2:03:00 PM**Lab ID:** 1605B88-005**Matrix:** MEOH (SOIL)**Received Date:** 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 5/27/2016 4:17:50 PM | 25515 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 5/27/2016 4:17:50 PM | 25515 |
| Surr: DNOP | 85.1 | 70-130 | | %Rec | 1 | 5/27/2016 4:17:50 PM | 25515 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.8 | | mg/Kg | 1 | 5/26/2016 5:48:01 PM | A34501 |
| Surr: BFB | 88.2 | 80-120 | | %Rec | 1 | 5/26/2016 5:48:01 PM | A34501 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.019 | | mg/Kg | 1 | 5/26/2016 5:48:01 PM | B34501 |
| Toluene | ND | 0.038 | | mg/Kg | 1 | 5/26/2016 5:48:01 PM | B34501 |
| Ethylbenzene | ND | 0.038 | | mg/Kg | 1 | 5/26/2016 5:48:01 PM | B34501 |
| Xylenes, Total | ND | 0.077 | | mg/Kg | 1 | 5/26/2016 5:48:01 PM | B34501 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 5/26/2016 5:48:01 PM | B34501 |

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 |
| | R | RPD outside accepted recovery limits | 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 1605B88

Date Reported: 5/31/2016

CLIENT: Rule Engineering LLC

Client Sample ID: SC-6

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 4:10:00 PM

Lab ID: 1605B88-006

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 5/27/2016 4:39:38 PM | 25516 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/27/2016 4:39:38 PM | 25516 |
| Surr: DNOP | 85.4 | 70-130 | | %Rec | 1 | 5/27/2016 4:39:38 PM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.9 | | mg/Kg | 1 | 5/26/2016 6:12:24 PM | A34501 |
| Surr: BFB | 95.4 | 80-120 | | %Rec | 1 | 5/26/2016 6:12:24 PM | A34501 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.019 | | mg/Kg | 1 | 5/26/2016 6:12:24 PM | B34501 |
| Toluene | ND | 0.039 | | mg/Kg | 1 | 5/26/2016 6:12:24 PM | B34501 |
| Ethylbenzene | ND | 0.039 | | mg/Kg | 1 | 5/26/2016 6:12:24 PM | B34501 |
| Xylenes, Total | ND | 0.078 | | mg/Kg | 1 | 5/26/2016 6:12:24 PM | B34501 |
| Surr: 4-Bromofluorobenzene | 107 | 80-120 | | %Rec | 1 | 5/26/2016 6:12:24 PM | B34501 |

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 |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

Analytical Report

Lab Order 1605B88

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Rule Engineering LLC**Client Sample ID:** SC-7**Project:** Enterprise Blanco Plant D Turbine**Collection Date:** 5/25/2016 5:29:00 PM**Lab ID:** 1605B88-007**Matrix:** MEOH (SOIL)**Received Date:** 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | 13 | 9.5 | | mg/Kg | 1 | 5/27/2016 5:01:12 PM | 25516 |
| Motor Oil Range Organics (MRO) | 55 | 47 | | mg/Kg | 1 | 5/27/2016 5:01:12 PM | 25516 |
| Surr: DNOP | 93.8 | 70-130 | | %Rec | 1 | 5/27/2016 5:01:12 PM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.5 | | mg/Kg | 1 | 5/26/2016 6:36:45 PM | A34501 |
| Surr: BFB | 94.4 | 80-120 | | %Rec | 1 | 5/26/2016 6:36:45 PM | A34501 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.018 | | mg/Kg | 1 | 5/26/2016 6:36:45 PM | B34501 |
| Toluene | ND | 0.035 | | mg/Kg | 1 | 5/26/2016 6:36:45 PM | B34501 |
| Ethylbenzene | ND | 0.035 | | mg/Kg | 1 | 5/26/2016 6:36:45 PM | B34501 |
| Xylenes, Total | ND | 0.070 | | mg/Kg | 1 | 5/26/2016 6:36:45 PM | B34501 |
| Surr: 4-Bromofluorobenzene | 108 | 80-120 | | %Rec | 1 | 5/26/2016 6:36:45 PM | B34501 |

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 |
| | R RPD outside accepted recovery limits | 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 **1605B88**

Date Reported: 5/31/2016

CLIENT: Rule Engineering LLC**Client Sample ID:** SC-8**Project:** Enterprise Blanco Plant D Turbine**Collection Date:** 5/25/2016 2:20:00 PM**Lab ID:** 1605B88-008**Matrix:** MEOH (SOIL)**Received Date:** 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 5/27/2016 5:23:00 PM | 25516 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 5/27/2016 5:23:00 PM | 25516 |
| Surr: DNOP | 89.6 | 70-130 | | %Rec | 1 | 5/27/2016 5:23:00 PM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.4 | | mg/Kg | 1 | 5/26/2016 7:01:17 PM | A34501 |
| Surr: BFB | 92.0 | 80-120 | | %Rec | 1 | 5/26/2016 7:01:17 PM | A34501 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.022 | | mg/Kg | 1 | 5/26/2016 7:01:17 PM | B34501 |
| Toluene | ND | 0.044 | | mg/Kg | 1 | 5/26/2016 7:01:17 PM | B34501 |
| Ethylbenzene | ND | 0.044 | | mg/Kg | 1 | 5/26/2016 7:01:17 PM | B34501 |
| Xylenes, Total | ND | 0.087 | | mg/Kg | 1 | 5/26/2016 7:01:17 PM | B34501 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 5/26/2016 7:01:17 PM | B34501 |

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 |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

Analytical Report

Lab Order 1605B88

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Rule Engineering LLC**Client Sample ID:** SC-9**Project:** Enterprise Blanco Plant D Turbine**Collection Date:** 5/25/2016 1:08:00 PM**Lab ID:** 1605B88-009**Matrix:** MEOH (SOIL)**Received Date:** 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | 17 | 9.2 | | mg/Kg | 1 | 5/27/2016 5:44:41 PM | 25516 |
| Motor Oil Range Organics (MRO) | 60 | 46 | | mg/Kg | 1 | 5/27/2016 5:44:41 PM | 25516 |
| Surr: DNOP | 93.4 | 70-130 | | %Rec | 1 | 5/27/2016 5:44:41 PM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.4 | | mg/Kg | 1 | 5/26/2016 7:25:49 PM | A34501 |
| Surr: BFB | 88.8 | 80-120 | | %Rec | 1 | 5/26/2016 7:25:49 PM | A34501 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.017 | | mg/Kg | 1 | 5/26/2016 7:25:49 PM | B34501 |
| Toluene | ND | 0.034 | | mg/Kg | 1 | 5/26/2016 7:25:49 PM | B34501 |
| Ethylbenzene | ND | 0.034 | | mg/Kg | 1 | 5/26/2016 7:25:49 PM | B34501 |
| Xylenes, Total | ND | 0.067 | | mg/Kg | 1 | 5/26/2016 7:25:49 PM | B34501 |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %Rec | 1 | 5/26/2016 7:25:49 PM | B34501 |

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 |
| | R | RPD outside accepted recovery limits | 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 1605B88

Date Reported: 5/31/2016

CLIENT: Rule Engineering LLC

Client Sample ID: SC-10

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 1:25:00 PM

Lab ID: 1605B88-010

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 5/27/2016 6:28:10 PM | 25516 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 5/27/2016 6:28:10 PM | 25516 |
| Surr: DNOP | 92.6 | 70-130 | | %Rec | 1 | 5/27/2016 6:28:10 PM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.6 | | mg/Kg | 1 | 5/26/2016 7:50:25 PM | A34501 |
| Surr: BFB | 87.6 | 80-120 | | %Rec | 1 | 5/26/2016 7:50:25 PM | A34501 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.018 | | mg/Kg | 1 | 5/26/2016 7:50:25 PM | B34501 |
| Toluene | ND | 0.036 | | mg/Kg | 1 | 5/26/2016 7:50:25 PM | B34501 |
| Ethylbenzene | ND | 0.036 | | mg/Kg | 1 | 5/26/2016 7:50:25 PM | B34501 |
| Xylenes, Total | ND | 0.071 | | mg/Kg | 1 | 5/26/2016 7:50:25 PM | B34501 |
| Surr: 4-Bromofluorobenzene | 99.1 | 80-120 | | %Rec | 1 | 5/26/2016 7:50:25 PM | B34501 |

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 |
| | R | RPD outside accepted recovery limits | 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 1605B88

Date Reported: 5/31/2016

CLIENT: Rule Engineering LLC

Client Sample ID: SC-11

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 1:37:00 PM

Lab ID: 1605B88-011

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 5/27/2016 6:49:52 PM | 25516 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 5/27/2016 6:49:52 PM | 25516 |
| Surr: DNOP | 94.1 | 70-130 | | %Rec | 1 | 5/27/2016 6:49:52 PM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.4 | | mg/Kg | 1 | 5/26/2016 8:15:01 PM | A34501 |
| Surr: BFB | 91.1 | 80-120 | | %Rec | 1 | 5/26/2016 8:15:01 PM | A34501 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.017 | | mg/Kg | 1 | 5/26/2016 8:15:01 PM | B34501 |
| Toluene | ND | 0.034 | | mg/Kg | 1 | 5/26/2016 8:15:01 PM | B34501 |
| Ethylbenzene | ND | 0.034 | | mg/Kg | 1 | 5/26/2016 8:15:01 PM | B34501 |
| Xylenes, Total | ND | 0.068 | | mg/Kg | 1 | 5/26/2016 8:15:01 PM | B34501 |
| Surr: 4-Bromofluorobenzene | 103 | 80-120 | | %Rec | 1 | 5/26/2016 8:15:01 PM | B34501 |

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 |
| | R | RPD outside accepted recovery limits | 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 1605B88

Date Reported: 5/31/2016

CLIENT: Rule Engineering LLC

Client Sample ID: SC-12

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 2:56:00 PM

Lab ID: 1605B88-012

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | 16 | 9.9 | | mg/Kg | 1 | 5/27/2016 7:11:31 PM | 25516 |
| Motor Oil Range Organics (MRO) | 68 | 49 | | mg/Kg | 1 | 5/27/2016 7:11:31 PM | 25516 |
| Surr: DNOP | 98.6 | 70-130 | | %Rec | 1 | 5/27/2016 7:11:31 PM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.9 | | mg/Kg | 1 | 5/26/2016 8:39:39 PM | A34501 |
| Surr: BFB | 87.5 | 80-120 | | %Rec | 1 | 5/26/2016 8:39:39 PM | A34501 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.019 | | mg/Kg | 1 | 5/26/2016 8:39:39 PM | B34501 |
| Toluene | ND | 0.039 | | mg/Kg | 1 | 5/26/2016 8:39:39 PM | B34501 |
| Ethylbenzene | ND | 0.039 | | mg/Kg | 1 | 5/26/2016 8:39:39 PM | B34501 |
| Xylenes, Total | ND | 0.078 | | mg/Kg | 1 | 5/26/2016 8:39:39 PM | B34501 |
| Surr: 4-Bromofluorobenzene | 97.9 | 80-120 | | %Rec | 1 | 5/26/2016 8:39:39 PM | B34501 |

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 |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

Analytical Report

Lab Order 1605B88

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Rule Engineering LLC

Client Sample ID: SC-13

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 2:01:00 PM

Lab ID: 1605B88-013

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.3 | | mg/Kg | 1 | 5/27/2016 9:50:32 AM | 25516 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 5/27/2016 9:50:32 AM | 25516 |
| Surr: DNOP | 95.8 | 70-130 | | %Rec | 1 | 5/27/2016 9:50:32 AM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.5 | | mg/Kg | 1 | 5/26/2016 9:04:09 PM | A34501 |
| Surr: BFB | 84.6 | 80-120 | | %Rec | 1 | 5/26/2016 9:04:09 PM | A34501 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.017 | | mg/Kg | 1 | 5/26/2016 9:04:09 PM | B34501 |
| Toluene | ND | 0.035 | | mg/Kg | 1 | 5/26/2016 9:04:09 PM | B34501 |
| Ethylbenzene | ND | 0.035 | | mg/Kg | 1 | 5/26/2016 9:04:09 PM | B34501 |
| Xylenes, Total | ND | 0.069 | | mg/Kg | 1 | 5/26/2016 9:04:09 PM | B34501 |
| Surr: 4-Bromofluorobenzene | 96.8 | 80-120 | | %Rec | 1 | 5/26/2016 9:04:09 PM | B34501 |

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 |
| | R | RPD outside accepted recovery limits | 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 1605B88

Date Reported: 5/31/2016

CLIENT: Rule Engineering LLC

Client Sample ID: SC-14

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 2:09:00 PM

Lab ID: 1605B88-014

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | 54 | 9.4 | | mg/Kg | 1 | 5/27/2016 10:20:08 AM | 25516 |
| Motor Oil Range Organics (MRO) | 180 | 47 | | mg/Kg | 1 | 5/27/2016 10:20:08 AM | 25516 |
| Surr: DNOP | 95.3 | 70-130 | | %Rec | 1 | 5/27/2016 10:20:08 AM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.3 | | mg/Kg | 1 | 5/26/2016 9:28:49 PM | A34501 |
| Surr: BFB | 85.1 | 80-120 | | %Rec | 1 | 5/26/2016 9:28:49 PM | A34501 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.017 | | mg/Kg | 1 | 5/26/2016 9:28:49 PM | B34501 |
| Toluene | ND | 0.033 | | mg/Kg | 1 | 5/26/2016 9:28:49 PM | B34501 |
| Ethylbenzene | ND | 0.033 | | mg/Kg | 1 | 5/26/2016 9:28:49 PM | B34501 |
| Xylenes, Total | ND | 0.067 | | mg/Kg | 1 | 5/26/2016 9:28:49 PM | B34501 |
| Surr: 4-Bromofluorobenzene | 95.0 | 80-120 | | %Rec | 1 | 5/26/2016 9:28:49 PM | B34501 |

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 |
| | R | RPD outside accepted recovery limits | 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: Rule Engineering LLC

Client Sample ID: SC-15

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 2:53:00 PM

Lab ID: 1605B88-015

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.2 | | mg/Kg | 1 | 5/27/2016 10:47:25 AM | 25516 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 5/27/2016 10:47:25 AM | 25516 |
| Surr: DNOP | 86.0 | 70-130 | | %Rec | 1 | 5/27/2016 10:47:25 AM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.6 | | mg/Kg | 1 | 5/26/2016 7:41:42 PM | 25505 |
| Surr: BFB | 107 | 80-120 | | %Rec | 1 | 5/26/2016 7:41:42 PM | 25505 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.018 | | mg/Kg | 1 | 5/26/2016 7:41:42 PM | 25505 |
| Toluene | ND | 0.036 | | mg/Kg | 1 | 5/26/2016 7:41:42 PM | 25505 |
| Ethylbenzene | ND | 0.036 | | mg/Kg | 1 | 5/26/2016 7:41:42 PM | 25505 |
| Xylenes, Total | ND | 0.072 | | mg/Kg | 1 | 5/26/2016 7:41:42 PM | 25505 |
| Surr: 4-Bromofluorobenzene | 109 | 80-120 | | %Rec | 1 | 5/26/2016 7:41:42 PM | 25505 |

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 |
| | R | RPD outside accepted recovery limits | 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 1605B88

Date Reported: 5/31/2016

CLIENT: Rule Engineering LLC

Client Sample ID: SC-16

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 1:10:00 PM

Lab ID: 1605B88-016

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 5/27/2016 11:14:38 AM | 25516 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/27/2016 11:14:38 AM | 25516 |
| Surr: DNOP | 83.8 | 70-130 | | %Rec | 1 | 5/27/2016 11:14:38 AM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.7 | | mg/Kg | 1 | 5/26/2016 8:05:06 PM | 25505 |
| Surr: BFB | 110 | 80-120 | | %Rec | 1 | 5/26/2016 8:05:06 PM | 25505 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.019 | | mg/Kg | 1 | 5/26/2016 8:05:06 PM | 25505 |
| Toluene | ND | 0.037 | | mg/Kg | 1 | 5/26/2016 8:05:06 PM | 25505 |
| Ethylbenzene | ND | 0.037 | | mg/Kg | 1 | 5/26/2016 8:05:06 PM | 25505 |
| Xylenes, Total | ND | 0.074 | | mg/Kg | 1 | 5/26/2016 8:05:06 PM | 25505 |
| Surr: 4-Bromofluorobenzene | 111 | 80-120 | | %Rec | 1 | 5/26/2016 8:05:06 PM | 25505 |

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 |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

Analytical Report

Lab Order 1605B88

Date Reported: 5/31/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Rule Engineering LLC

Client Sample ID: SC-17

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 1:12:00 PM

Lab ID: 1605B88-017

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 5/27/2016 11:41:57 AM | 25516 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/27/2016 11:41:57 AM | 25516 |
| Surr: DNOP | 86.8 | 70-130 | | %Rec | 1 | 5/27/2016 11:41:57 AM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.3 | | mg/Kg | 1 | 5/26/2016 8:28:27 PM | 25505 |
| Surr: BFB | 110 | 80-120 | | %Rec | 1 | 5/26/2016 8:28:27 PM | 25505 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.017 | | mg/Kg | 1 | 5/26/2016 8:28:27 PM | 25505 |
| Toluene | ND | 0.033 | | mg/Kg | 1 | 5/26/2016 8:28:27 PM | 25505 |
| Ethylbenzene | ND | 0.033 | | mg/Kg | 1 | 5/26/2016 8:28:27 PM | 25505 |
| Xylenes, Total | ND | 0.066 | | mg/Kg | 1 | 5/26/2016 8:28:27 PM | 25505 |
| Surr: 4-Bromofluorobenzene | 110 | 80-120 | | %Rec | 1 | 5/26/2016 8:28:27 PM | 25505 |

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 |
| | R | RPD outside accepted recovery limits | 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 1605B88

Date Reported: 5/31/2016

CLIENT: Rule Engineering LLC

Client Sample ID: SC-18

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 1:40:00 PM

Lab ID: 1605B88-018

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 5/27/2016 12:09:15 PM | 25516 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/27/2016 12:09:15 PM | 25516 |
| Surr: DNOP | 84.8 | 70-130 | | %Rec | 1 | 5/27/2016 12:09:15 PM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.6 | | mg/Kg | 1 | 5/26/2016 8:51:59 PM | 25505 |
| Surr: BFB | 109 | 80-120 | | %Rec | 1 | 5/26/2016 8:51:59 PM | 25505 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.018 | | mg/Kg | 1 | 5/26/2016 8:51:59 PM | 25505 |
| Toluene | ND | 0.036 | | mg/Kg | 1 | 5/26/2016 8:51:59 PM | 25505 |
| Ethylbenzene | ND | 0.036 | | mg/Kg | 1 | 5/26/2016 8:51:59 PM | 25505 |
| Xylenes, Total | ND | 0.071 | | mg/Kg | 1 | 5/26/2016 8:51:59 PM | 25505 |
| Surr: 4-Bromofluorobenzene | 111 | 80-120 | | %Rec | 1 | 5/26/2016 8:51:59 PM | 25505 |

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 |
| | R | RPD outside accepted recovery limits | 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 1605B88

Date Reported: 5/31/2016

CLIENT: Rule Engineering LLC

Client Sample ID: SC-19

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 1:44:00 PM

Lab ID: 1605B88-019

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | 28 | 9.8 | | mg/Kg | 1 | 5/27/2016 12:43:35 PM | 25516 |
| Motor Oil Range Organics (MRO) | 97 | 49 | | mg/Kg | 1 | 5/27/2016 12:43:35 PM | 25516 |
| Surr: DNOP | 86.7 | 70-130 | | %Rec | 1 | 5/27/2016 12:43:35 PM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.3 | | mg/Kg | 1 | 5/26/2016 9:15:28 PM | 25505 |
| Surr: BFB | 107 | 80-120 | | %Rec | 1 | 5/26/2016 9:15:28 PM | 25505 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.017 | | mg/Kg | 1 | 5/26/2016 9:15:28 PM | 25505 |
| Toluene | ND | 0.033 | | mg/Kg | 1 | 5/26/2016 9:15:28 PM | 25505 |
| Ethylbenzene | ND | 0.033 | | mg/Kg | 1 | 5/26/2016 9:15:28 PM | 25505 |
| Xylenes, Total | ND | 0.067 | | mg/Kg | 1 | 5/26/2016 9:15:28 PM | 25505 |
| Surr: 4-Bromofluorobenzene | 107 | 80-120 | | %Rec | 1 | 5/26/2016 9:15:28 PM | 25505 |

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 |
| | R | RPD outside accepted recovery limits | 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 **1605B88**Date Reported: **5/31/2016****CLIENT:** Rule Engineering LLC**Client Sample ID:** SC-20**Project:** Enterprise Blanco Plant D Turbine**Collection Date:** 5/25/2016 2:16:00 PM**Lab ID:** 1605B88-020**Matrix:** MEOH (SOIL)**Received Date:** 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|---------------|------------|-------------|--------------|-----------|-----------------------|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 5/27/2016 12:27:01 PM | 25516 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/27/2016 12:27:01 PM | 25516 |
| Surr: DNOP | 105 | 70-130 | | %Rec | 1 | 5/27/2016 12:27:01 PM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.6 | | mg/Kg | 1 | 5/26/2016 9:38:58 PM | 25505 |
| Surr: BFB | 109 | 80-120 | | %Rec | 1 | 5/26/2016 9:38:58 PM | 25505 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.018 | | mg/Kg | 1 | 5/26/2016 9:38:58 PM | 25505 |
| Toluene | ND | 0.036 | | mg/Kg | 1 | 5/26/2016 9:38:58 PM | 25505 |
| Ethylbenzene | ND | 0.036 | | mg/Kg | 1 | 5/26/2016 9:38:58 PM | 25505 |
| Xylenes, Total | ND | 0.072 | | mg/Kg | 1 | 5/26/2016 9:38:58 PM | 25505 |
| Surr: 4-Bromofluorobenzene | 109 | 80-120 | | %Rec | 1 | 5/26/2016 9:38:58 PM | 25505 |

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 |
| | R | RPD outside accepted recovery limits | 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 1605B88

Date Reported: 5/31/2016

CLIENT: Rule Engineering LLC

Client Sample ID: SC-21

Project: Enterprise Blanco Plant D Turbine

Collection Date: 5/25/2016 2:40:00 PM

Lab ID: 1605B88-021

Matrix: MEOH (SOIL)

Received Date: 5/26/2016 7:54:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 5/27/2016 12:48:37 PM | 25516 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/27/2016 12:48:37 PM | 25516 |
| Surr: DNOP | 110 | 70-130 | | %Rec | 1 | 5/27/2016 12:48:37 PM | 25516 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.5 | | mg/Kg | 1 | 5/26/2016 10:02:31 PM | 25505 |
| Surr: BFB | 110 | 80-120 | | %Rec | 1 | 5/26/2016 10:02:31 PM | 25505 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.017 | | mg/Kg | 1 | 5/26/2016 10:02:31 PM | 25505 |
| Toluene | ND | 0.035 | | mg/Kg | 1 | 5/26/2016 10:02:31 PM | 25505 |
| Ethylbenzene | ND | 0.035 | | mg/Kg | 1 | 5/26/2016 10:02:31 PM | 25505 |
| Xylenes, Total | ND | 0.069 | | mg/Kg | 1 | 5/26/2016 10:02:31 PM | 25505 |
| Surr: 4-Bromofluorobenzene | 110 | 80-120 | | %Rec | 1 | 5/26/2016 10:02:31 PM | 25505 |

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 |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605B88

31-May-16

Client: Rule Engineering LLC
Project: Enterprise Blanco Plant D Turbine

| | | | | | | | | | | |
|--------------------------------|-----------|-----|----------------|-------------|------|-----------|---|------|--------------|------|
| Sample ID | MB-25516 | | SampType: | MBLK | | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | |
| Client ID: | PBS | | Batch ID: | 25516 | | RunNo: | 34489 | | | |
| Prep Date: | 5/26/2016 | | Analysis Date: | 5/26/2016 | | SeqNo: | 1063830 | | 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 | 8.3 | | 10.00 | | 83.4 | 70 | 130 | | | |

| | | | | | | | | | | |
|-----------------------------|-----------|-----|----------------|-------------|------|-----------|---|------|--------------|------|
| Sample ID | LCS-25516 | | SampType: | LCS | | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | |
| Client ID: | LCSS | | Batch ID: | 25516 | | RunNo: | 34489 | | | |
| Prep Date: | 5/26/2016 | | Analysis Date: | 5/26/2016 | | SeqNo: | 1063831 | | Units: mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 48 | 10 | 50.00 | 0 | 95.2 | 62.6 | 124 | | | |
| Surr: DNOP | 4.4 | | 5.000 | | 88.1 | 70 | 130 | | | |

| | | | | | | | | | | |
|-----------------------------|-----------|-----|----------------|-------------|------|-----------|---|------|--------------|------|
| Sample ID | LCS-25515 | | SampType: | LCS | | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | |
| Client ID: | LCSS | | Batch ID: | 25515 | | RunNo: | 34493 | | | |
| Prep Date: | 5/26/2016 | | Analysis Date: | 5/26/2016 | | SeqNo: | 1063925 | | 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 | 94.0 | 62.6 | 124 | | | |
| Surr: DNOP | 4.8 | | 5.000 | | 95.5 | 70 | 130 | | | |

| | | | | | | | | | | |
|--------------------------------|-----------|-----|----------------|-------------|------|-----------|---|------|--------------|------|
| Sample ID | MB-25515 | | SampType: | MBLK | | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | |
| Client ID: | PBS | | Batch ID: | 25515 | | RunNo: | 34493 | | | |
| Prep Date: | 5/26/2016 | | Analysis Date: | 5/26/2016 | | SeqNo: | 1063926 | | 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 | 9.9 | | 10.00 | | 98.7 | 70 | 130 | | | |

| | | | | | | | | | | |
|------------|-----------|-----|----------------|-------------|------|-----------|---|------|-------------|------|
| Sample ID | MB-25467 | | SampType: | MBLK | | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | |
| Client ID: | PBS | | Batch ID: | 25467 | | RunNo: | 34489 | | | |
| Prep Date: | 5/25/2016 | | Analysis Date: | 5/26/2016 | | SeqNo: | 1064652 | | Units: %Rec | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 8.3 | | 10.00 | | 83.1 | 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 |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605B88

31-May-16

Client: Rule Engineering LLC
Project: Enterprise Blanco Plant D Turbine

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | LCS-25467 | SampType: | LCS | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | LCSS | Batch ID: | 25467 | RunNo: | 34489 | | | | | |
| Prep Date: | 5/25/2016 | Analysis Date: | 5/26/2016 | SeqNo: | 1064665 | Units: | %Rec | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 4.4 | | 5.000 | | 88.2 | 70 | 130 | | | |

| | | | | | | | | | | |
|-----------------------------|----------------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | 1605B88-006AMS | SampType: | MS | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | SC-6 | Batch ID: | 25516 | RunNo: | 34525 | | | | | |
| Prep Date: | 5/26/2016 | Analysis Date: | 5/27/2016 | SeqNo: | 1065519 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 55 | 9.4 | 47.13 | 9.426 | 96.4 | 33.9 | 141 | | | |
| Surr: DNOP | 4.6 | | 4.713 | | 96.7 | 70 | 130 | | | |

| | | | | | | | | | | |
|-----------------------------|-----------------|----------------|-----------|-------------|---|----------|-----------|-------|----------|------|
| Sample ID | 1605B88-006AMSD | SampType: | MSD | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | SC-6 | Batch ID: | 25516 | RunNo: | 34525 | | | | | |
| Prep Date: | 5/26/2016 | Analysis Date: | 5/27/2016 | SeqNo: | 1065520 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 55 | 9.8 | 48.83 | 9.426 | 92.7 | 33.9 | 141 | 0.285 | 20 | |
| Surr: DNOP | 4.7 | | 4.883 | | 96.3 | 70 | 130 | 0 | 0 | |

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 |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605B88

31-May-16

Client: Rule Engineering LLC
Project: Enterprise Blanco Plant D Turbine

| | | | | | | | | | | |
|-------------------------------|--------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | 5ML RB | SampType: | MBLK | TestCode: | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | PBS | Batch ID: | A34501 | RunNo: | 34501 | | | | | |
| Prep Date: | | Analysis Date: | 5/26/2016 | SeqNo: | 1064397 | 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 | | 94.7 | 80 | 120 | | | |

| | | | | | | | | | | |
|-------------------------------|---------------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | 2.5UG GRO LCS | SampType: | LCS | TestCode: | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | LCSS | Batch ID: | A34501 | RunNo: | 34501 | | | | | |
| Prep Date: | | Analysis Date: | 5/26/2016 | SeqNo: | 1064398 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 25 | 5.0 | 25.00 | 0 | 99.1 | 80 | 120 | | | |
| Surr: BFB | 1000 | | 1000 | | 104 | 80 | 120 | | | |

| | | | | | | | | | | |
|-------------------------------|-----------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-25505 | SampType: | MBLK | TestCode: | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | PBS | Batch ID: | 25505 | RunNo: | 34502 | | | | | |
| Prep Date: | 5/25/2016 | Analysis Date: | 5/26/2016 | SeqNo: | 1064463 | 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 | 1100 | | 1000 | | 107 | 80 | 120 | | | |

| | | | | | | | | | | |
|-------------------------------|-----------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-25505 | SampType: | LCS | TestCode: | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | LCSS | Batch ID: | 25505 | RunNo: | 34502 | | | | | |
| Prep Date: | 5/25/2016 | Analysis Date: | 5/26/2016 | SeqNo: | 1064464 | 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 | 91.4 | 80 | 120 | | | |
| Surr: BFB | 1200 | | 1000 | | 120 | 80 | 120 | | | S |

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 |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605B88

31-May-16

Client: Rule Engineering LLC
Project: Enterprise Blanco Plant D Turbine

| | | | | | | | | | | |
|--------------------------------|--------|----------------|-----------|-------------|-----------------------------|----------|-----------|------|----------|------|
| Sample ID | 5ML RB | SampType: | MBLK | TestCode: | EPA Method 8021B: Volatiles | | | | | |
| Client ID: | PBS | Batch ID: | B34501 | RunNo: | 34501 | | | | | |
| Prep Date: | | Analysis Date: | 5/26/2016 | SeqNo: | 1064418 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | ND | 0.10 | | | | | | | | |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 103 | 80 | 120 | | | |

| | | | | | | | | | | |
|--------------------------------|----------------|----------------|-----------|-------------|-----------------------------|----------|-----------|------|----------|------|
| Sample ID | 100NG BTEX LCS | SampType: | LCS | TestCode: | EPA Method 8021B: Volatiles | | | | | |
| Client ID: | LCSS | Batch ID: | B34501 | RunNo: | 34501 | | | | | |
| Prep Date: | | Analysis Date: | 5/26/2016 | SeqNo: | 1064419 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | 1.0 | 0.10 | 1.000 | 0 | 101 | 61 | 143 | | | |
| Benzene | 0.97 | 0.025 | 1.000 | 0 | 96.6 | 75.3 | 123 | | | |
| Toluene | 0.99 | 0.050 | 1.000 | 0 | 99.2 | 80 | 124 | | | |
| Ethylbenzene | 1.0 | 0.050 | 1.000 | 0 | 101 | 82.8 | 121 | | | |
| Xylenes, Total | 3.1 | 0.10 | 3.000 | 0 | 102 | 83.9 | 122 | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 110 | 80 | 120 | | | |

| | | | | | | | | | | |
|--------------------------------|-----------|----------------|-----------|-------------|-----------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-25505 | SampType: | MBLK | TestCode: | EPA Method 8021B: Volatiles | | | | | |
| Client ID: | PBS | Batch ID: | 25505 | RunNo: | 34502 | | | | | |
| Prep Date: | 5/25/2016 | Analysis Date: | 5/26/2016 | SeqNo: | 1064483 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | ND | 0.10 | | | | | | | | |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 110 | 80 | 120 | | | |

| | | | | | | | | | | |
|--------------------------------|-----------|----------------|-----------|-------------|-----------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-25505 | SampType: | LCS | TestCode: | EPA Method 8021B: Volatiles | | | | | |
| Client ID: | LCSS | Batch ID: | 25505 | RunNo: | 34502 | | | | | |
| Prep Date: | 5/25/2016 | Analysis Date: | 5/26/2016 | SeqNo: | 1064484 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | 0.98 | 0.10 | 1.000 | 0 | 98.4 | 61 | 143 | | | |
| Benzene | 0.96 | 0.025 | 1.000 | 0 | 96.3 | 75.3 | 123 | | | |
| Toluene | 0.98 | 0.050 | 1.000 | 0 | 98.2 | 80 | 124 | | | |
| Ethylbenzene | 0.97 | 0.050 | 1.000 | 0 | 96.8 | 82.8 | 121 | | | |

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 |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605B88

31-May-16

Client: Rule Engineering LLC
Project: Enterprise Blanco Plant D Turbine

| | | | | | | | | | | |
|----------------------------|-----------|----------------|-----------|-------------|-----------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-25505 | SampType: | LCS | TestCode: | EPA Method 8021B: Volatiles | | | | | |
| Client ID: | LCSS | Batch ID: | 25505 | RunNo: | 34502 | | | | | |
| Prep Date: | 5/25/2016 | Analysis Date: | 5/26/2016 | SeqNo: | 1064484 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Xylenes, Total | 2.9 | 0.10 | 3.000 | 0 | 96.3 | 83.9 | 122 | | | |
| Surr: 4-Bromofluorobenzene | 1.2 | | 1.000 | | 117 | 80 | 120 | | | |

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 |
| R RPD outside accepted recovery limits | 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

Sample Log-In Check List

Client Name: RULE ENGINEERING LL

Work Order Number: 1605888

RcptNo: 1

Received by/date:

Logged By: Lindsay Mangin

5/26/2016 7:54:00 AM

Completed By: Lindsay Mangin

5/26/2016 8:08:37 AM

Reviewed By:

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by:

Special Handling (if applicable)

16. 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:

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 1.5 | Good | Yes | | | |

Chain-of-Custody Record

Turn-Around Time:

☐ Standard ☒ Rush Friday 5/27

Project Name:

Enterprise Blanco Plant-D Turbine

Project #:

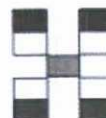
Project Manager:

Heather Woods

Sampler: H. Woods / J. Valdez

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.5



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Client: Rule Engineering, LLC

Billing Address: 501 Airport Dr, Suite 205

Farmington, NM 87401

Phone #: (505) 716-2787

Email or Fax#: hwoods@ruleengineering.com

VQC Package:

Standard ☐ Level 4 (Full Validation)

Creditation

NELAP ☐ Other

EDD (Type)

| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL No. | BTEX + MTBE + TPH (Gas only) | BTEX + MTBE + TPH (Gas only) | TPH 8015B (GRO / DRO / MRO) | TPH (Method 418.1) | EDB (Method 504.1) | PAH's (8310 or 8270 SIMS) | RCRA 8 Metals | Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄) | 8081 Pesticides / 8082 PCB's | 8260B (VOA) | 8270 (Semi-VOA) | Air Bubbles (Y or N) |
|------|------|--------|-------------------|----------------------|-------------------|----------|------------------------------|------------------------------|-----------------------------|--------------------|--------------------|---------------------------|---------------|--|------------------------------|-------------|-----------------|----------------------|
| 5/16 | 1308 | Soil | SC-1 | 1) 4oz Glass | Meq/Cold | -001 | X | X | | | | | | | | | | |
| 5/16 | 1314 | Soil | SC-2 | | | -002 | X | X | | | | | | | | | | |
| 5/16 | 1316 | Soil | SC-3 | | | -003 | X | X | | | | | | | | | | |
| 5/16 | 1330 | Soil | SC-4 | | | -004 | X | X | | | | | | | | | | |
| 5/16 | 1403 | Soil | SC-5 | | | -005 | X | X | | | | | | | | | | |
| 5/16 | 1410 | Soil | SC-6 | | | -006 | X | X | | | | | | | | | | |
| 5/16 | 1729 | Soil | SC-7 | | | -007 | X | X | | | | | | | | | | |
| 5/16 | 1420 | Soil | SC-8 | | | -008 | X | X | | | | | | | | | | |
| 5/16 | 1308 | Soil | SC-9 | | | -009 | X | X | | | | | | | | | | |
| 5/16 | 1325 | Soil | SC-10 | | | -010 | X | X | | | | | | | | | | |
| 5/16 | 1337 | Soil | SC-11 | | | -011 | X | X | | | | | | | | | | |
| 5/16 | 1456 | Soil | SC-12 | | | -012 | X | X | | | | | | | | | | |

Relinquished by: Heather M. Woods

Received by: Christine Walz Date: 5/25/16 Time: 1915

Remarks: Direct Bill to Enterprise

Relinquished by: Christine Walz

Received by: Christine Walz Date: 05/26/16 Time: 0754

Page 1 of 2

Chain-of-Custody Record

Turn-Around Time:

☐ Standard ☒ Rush Friday 5/27

Project Name:

Enterprise Blanco Plant-D Turbine

Project #:

Project Manager:

H. Woods

Sampler: H. Woods/J. Valdez

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.5



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Client: Pule Engineering, LLC

Mailing Address: 501 Airport Dr, Suite 205

Armington, NM 87401

Phone #: (505) 716-2787

Email or Fax#: hwoods@puleengineering.com

QC Package:

Standard ☐ Level 4 (Full Validation)

Creditation:

NELAP ☐ Other _____

EDD (Type) _____

| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL No. | BTEX + MTBE + TMB's (8021) | BTEX + MTBE + TPH (Gas only) | TPH 8015B (GRO / DRO / MRO) | TPH (Method 418.1) | EDB (Method 504.1) | PAH's (8310 or 8270 SIMS) | RCRA 8 Metals | Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄) | 8081 Pesticides / 8082 PCB's | 8260B (VOA) | 8270 (Semi-VOA) | Air Bubbles (Y or N) |
|------|------|--------|-------------------|----------------------|-------------------|----------|----------------------------|------------------------------|-----------------------------|--------------------|--------------------|---------------------------|---------------|--|------------------------------|-------------|-----------------|----------------------|
| 5/16 | 1401 | Soil | SC-13 | 1) 4oz Glass | Meth/Cold | -013 | X | X | | | | | | | | | | |
| 5/16 | 1409 | Soil | SC-14 | | | -014 | X | X | | | | | | | | | | |
| 5/16 | 1453 | Soil | SC-15 | | | -015 | X | X | | | | | | | | | | |
| 5/16 | 1310 | Soil | SC-16 | | | -016 | X | X | | | | | | | | | | |
| 5/16 | 1312 | Soil | SC-17 | | | -017 | X | X | | | | | | | | | | |
| 5/16 | 1340 | Soil | SC-18 | | | -018 | X | X | | | | | | | | | | |
| 5/16 | 1344 | Soil | SC-19 | | | -019 | X | X | | | | | | | | | | |
| 5/16 | 1416 | Soil | SC-20 | | | -020 | X | X | | | | | | | | | | |
| 5/16 | 1440 | Soil | SC-21 | | | -021 | X | X | | | | | | | | | | |

Relinquished by: Heather M. Woods

Received by: Christine Walker Date 5/25/16 Time 1915

Remarks: Direct Bill to Enterprise

Relinquished by: Christine Walker

Received by: Christine Walker Date 05/26/16 Time 0754



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

July 05, 2016

Heather Woods

Rule Engineering LLC
501 Airport Dr., Ste 205
Farmington, NM 87401
TEL: (505) 325-1055
FAX

RE: Enterprise Blanco

OrderNo.: 1606251

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 2 sample(s) on 6/7/2016 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued June 13, 2016.

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. 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. All samples are reported as received unless otherwise indicated.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1606251

Date Reported: 7/5/2016

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Rule Engineering LLC**Client Sample ID:** SC-14R**Project:** Enterprise Blanco**Collection Date:** 6/6/2016 10:00:00 AM**Lab ID:** 1606251-001**Matrix:** MEOH (SOIL)**Received Date:** 6/7/2016 7:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 6/7/2016 10:10:51 AM | 25700 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 6/7/2016 10:10:51 AM | 25700 |
| Surr: DNOP | 87.5 | 70-130 | | %Rec | 1 | 6/7/2016 10:10:51 AM | 25700 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.3 | | mg/Kg | 1 | 6/7/2016 10:01:50 AM | 25678 |
| Surr: BFB | 104 | 80-120 | | %Rec | 1 | 6/7/2016 10:01:50 AM | 25678 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.017 | | mg/Kg | 1 | 6/7/2016 10:01:50 AM | 25678 |
| Toluene | ND | 0.033 | | mg/Kg | 1 | 6/7/2016 10:01:50 AM | 25678 |
| Ethylbenzene | ND | 0.033 | | mg/Kg | 1 | 6/7/2016 10:01:50 AM | 25678 |
| Xylenes, Total | ND | 0.066 | | mg/Kg | 1 | 6/7/2016 10:01:50 AM | 25678 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %Rec | 1 | 6/7/2016 10:01:50 AM | 25678 |

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 |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

Analytical ReportLab Order **1606251**

Date Reported: 7/5/2016

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Rule Engineering LLC**Client Sample ID:** SC-19R**Project:** Enterprise Blanco**Collection Date:** 6/6/2016 10:20:00 AM**Lab ID:** 1606251-002**Matrix:** MEOH (SOIL)**Received Date:** 6/7/2016 7:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 6/7/2016 10:32:44 AM | 25700 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 6/7/2016 10:32:44 AM | 25700 |
| Surr: DNOP | 93.6 | 70-130 | | %Rec | 1 | 6/7/2016 10:32:44 AM | 25700 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 3.5 | | mg/Kg | 1 | 6/7/2016 10:25:17 AM | 25678 |
| Surr: BFB | 101 | 80-120 | | %Rec | 1 | 6/7/2016 10:25:17 AM | 25678 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.018 | | mg/Kg | 1 | 6/7/2016 10:25:17 AM | 25678 |
| Toluene | ND | 0.035 | | mg/Kg | 1 | 6/7/2016 10:25:17 AM | 25678 |
| Ethylbenzene | ND | 0.035 | | mg/Kg | 1 | 6/7/2016 10:25:17 AM | 25678 |
| Xylenes, Total | ND | 0.070 | | mg/Kg | 1 | 6/7/2016 10:25:17 AM | 25678 |
| Surr: 4-Bromofluorobenzene | 99.6 | 80-120 | | %Rec | 1 | 6/7/2016 10:25:17 AM | 25678 |

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 |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1606251

05-Jul-16

Client: Rule Engineering LLC

Project: Enterprise Blanco

| | | | | | | | | | | |
|--------------------------------|--------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: MB-25700 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
| Client ID: PBS | Batch ID: 25700 | RunNo: 34721 | | | | | | | | |
| Prep Date: 6/7/2016 | Analysis Date: 6/7/2016 | SeqNo: 1071404 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 | 10 | | 10.00 | | 101 | 70 | 130 | | | |

| | | | | | | | | | | |
|-----------------------------|--------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: LCS-25700 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
| Client ID: LCSS | Batch ID: 25700 | RunNo: 34721 | | | | | | | | |
| Prep Date: 6/7/2016 | Analysis Date: 6/7/2016 | SeqNo: 1071405 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 46 | 10 | 50.00 | 0 | 93.0 | 62.6 | 124 | | | |
| Surr: DNOP | 4.5 | | 5.000 | | 90.5 | 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 |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1606251

05-Jul-16

Client: Rule Engineering LLC

Project: Enterprise Blanco

| | | | | | | | | | | |
|-------------------------------|----------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-25678 | SampType: | MBLK | TestCode: | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | PBS | Batch ID: | 25678 | RunNo: | 34739 | | | | | |
| Prep Date: | 6/6/2016 | Analysis Date: | 6/7/2016 | SeqNo: | 1072052 | 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 | 1000 | | 1000 | | 102 | 80 | 120 | | | |

| | | | | | | | | | | |
|-------------------------------|-----------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-25678 | SampType: | LCS | TestCode: | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | LCSS | Batch ID: | 25678 | RunNo: | 34739 | | | | | |
| Prep Date: | 6/6/2016 | Analysis Date: | 6/7/2016 | SeqNo: | 1072053 | 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 | 91.6 | 80 | 120 | | | |
| Surr: BFB | 1100 | | 1000 | | 110 | 80 | 120 | | | |

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 |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1606251

05-Jul-16

Client: Rule Engineering LLC

Project: Enterprise Blanco

| | | | | | | | | | | |
|----------------------------|-----------------|-------|----------------|-----------------|------|-----------|------------------------------------|------|---------------------|------|
| Sample ID | MB-25678 | | SampType: | MBLK | | TestCode: | EPA Method 8021B: Volatiles | | | |
| Client ID: | PBS | | Batch ID: | 25678 | | RunNo: | 34739 | | | |
| Prep Date: | 6/6/2016 | | Analysis Date: | 6/7/2016 | | SeqNo: | 1072068 | | Units: mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 102 | 80 | 120 | | | |

| | | | | | | | | | | |
|----------------------------|------------------|-------|----------------|-----------------|------|-----------|------------------------------------|------|---------------------|------|
| Sample ID | LCS-25678 | | SampType: | LCS | | TestCode: | EPA Method 8021B: Volatiles | | | |
| Client ID: | LCSS | | Batch ID: | 25678 | | RunNo: | 34739 | | | |
| Prep Date: | 6/6/2016 | | Analysis Date: | 6/7/2016 | | SeqNo: | 1072069 | | Units: mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.90 | 0.025 | 1.000 | 0 | 90.0 | 75.3 | 123 | | | |
| Toluene | 0.94 | 0.050 | 1.000 | 0 | 94.3 | 80 | 124 | | | |
| Ethylbenzene | 0.96 | 0.050 | 1.000 | 0 | 95.6 | 82.8 | 121 | | | |
| Xylenes, Total | 2.9 | 0.10 | 3.000 | 0 | 95.8 | 83.9 | 122 | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 107 | 80 | 120 | | | |

| | | | | | | | | | | |
|----------------------------|-----------------------|-------|----------------|-----------------|------|-----------|------------------------------------|------|---------------------|------|
| Sample ID | 1606251-001AMS | | SampType: | MS | | TestCode: | EPA Method 8021B: Volatiles | | | |
| Client ID: | SC-14R | | Batch ID: | 25678 | | RunNo: | 34739 | | | |
| Prep Date: | | | Analysis Date: | 6/7/2016 | | SeqNo: | 1072070 | | Units: mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.63 | 0.017 | 0.6627 | 0 | 95.0 | 71.5 | 122 | | | |
| Toluene | 0.64 | 0.033 | 0.6627 | 0 | 95.9 | 71.2 | 123 | | | |
| Ethylbenzene | 0.62 | 0.033 | 0.6627 | 0 | 93.2 | 75.2 | 130 | | | |
| Xylenes, Total | 1.9 | 0.066 | 1.988 | 0 | 93.1 | 72.4 | 131 | | | |
| Surr: 4-Bromofluorobenzene | 0.74 | | 0.6627 | | 112 | 80 | 120 | | | |

| | | | | | | | | | | |
|----------------------------|------------------------|-------|----------------|-----------------|------|-----------|------------------------------------|-------|---------------------|------|
| Sample ID | 1606251-001AMSD | | SampType: | MSD | | TestCode: | EPA Method 8021B: Volatiles | | | |
| Client ID: | SC-14R | | Batch ID: | 25678 | | RunNo: | 34739 | | | |
| Prep Date: | | | Analysis Date: | 6/7/2016 | | SeqNo: | 1072071 | | Units: mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.58 | 0.017 | 0.6627 | 0 | 86.8 | 71.5 | 122 | 8.94 | 20 | |
| Toluene | 0.60 | 0.033 | 0.6627 | 0 | 90.5 | 71.2 | 123 | 5.79 | 20 | |
| Ethylbenzene | 0.61 | 0.033 | 0.6627 | 0 | 91.9 | 75.2 | 130 | 1.50 | 20 | |
| Xylenes, Total | 1.8 | 0.066 | 1.988 | 0 | 92.2 | 72.4 | 131 | 0.978 | 20 | |
| Surr: 4-Bromofluorobenzene | 0.72 | | 0.6627 | | 108 | 80 | 120 | 0 | 0 | |

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 |
| R RPD outside accepted recovery limits | 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

Sample Log-In Check List

Client Name: RULE ENGINEERING LL

Work Order Number: 1606251

RcptNo: 1

Received by/date:

Logged By: Lindsay Mangin

06/07/16
6/7/2016 7:40:00 AM

Completed By: Lindsay Mangin

6/7/2016 7:45:41 AM

Reviewed By:

Chain of Custody

1. Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

2. Is Chain of Custody complete?

Yes ☒

No ☐

Not Present ☐

3. How was the sample delivered?

Courier

Log In

4. Was an attempt made to cool the samples?

Yes ☒

No ☐

NA ☐

5. Were all samples received at a temperature of >0° C to 6.0° C

Yes ☒

No ☐

NA ☐

6. Sample(s) in proper container(s)?

Yes ☒

No ☐

7. Sufficient sample volume for indicated test(s)?

Yes ☒

No ☐

8. Are samples (except VOA and ONG) properly preserved?

Yes ☒

No ☐

9. Was preservative added to bottles?

Yes ☐

No ☒

NA ☐

10. VOA vials have zero headspace?

Yes ☐

No ☐

No VOA Vials ☒

11. Were any sample containers received broken?

Yes ☐

No ☒

of preserved
bottles checked
for pH:

12. Does paperwork match bottle labels?

Yes ☒

No ☐

(Note discrepancies on chain of custody)

(<2 or >12 unless noted)

13. Are matrices correctly identified on Chain of Custody?

Yes ☒

No ☐

Adjusted?

14. Is it clear what analyses were requested?

Yes ☒

No ☐

15. Were all holding times able to be met?

Yes ☒

No ☐

Checked by:

(If no, notify customer for authorization.)

Special Handling (if applicable)

16. 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:

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 2.6 | Good | Yes | | | |

Turn-Around Time:

ent: Rule Engineering

☐ Standard ☒ Rush Same Day

Mailing Address: 501 Airport Dr, Suite 205

Enterprise Blanco

Farmington, NM 87401

Project #:

ione #: (505) 716-2767

Project Manager:

✓QC Package:

☐ Level 4 (Full Validation)

H. Woods

:creditation

NELAP ☐ Other _____

Sampler: H. woods

On Ice: ☒ Yes ☐ No

EDD (Type)

Sample Temperature: 2.6


[illegible]

| | | |
|-----|-------|-----------------|
| te: | Time: | Reinquished by: |
| 12 | 1729 | Heath M. Wood |

| | | |
|-----------------|--------|------|
| Received by: | Date | Time |
| Christine Watts | 4/6/16 | 1729 |

| | | |
|---------------------------|--------|----------------|
| Remarks: | APE: | |
| Direct Bill to Enterprise | A25492 | Attn: Tom Long |

| | | |
|------|-------|-------------------|
| le: | Time: | Relinquished by: |
| 6/16 | 1821 | Christine Wheeler |

Received by:  Date: 06/07/16 Time: 0745

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.