

Corrective Action Report

For The:

**Cimarron River Spill
Near Horseshoe Mine,
Cimarron Canyon State Park
New Mexico**

Date of Spill: December 27, 2016

For:

**Surface Water Quality Bureau
New Mexico Environment Department
1190 S. Saint Francis Dr., Santa Fe, NM 87505
PO Box 5469, Santa Fe, NM 87502**

Prepared By:



**Environmental Department
1221 Tower Trail Ln
El Paso, Texas 79907**

June 22, 2017



June 22, 2017

Ms. Sarah Holcomb
Program Manager
Point Source Regulation Section
Surface Water Quality Bureau
New Mexico Environmental Department
PO Box 5469
1190 St. Francis Dr.
Santa Fe, NM 87502

Re: Corrective Action Report for the Cimarron River Spill on State Highway 64
Near the Horseshoe Mine, Cimarron Canyon State Park, New Mexico

Dear Ms. Holcomb:

On behalf of Fronk Oil Co. Inc. D&H United Fueling Solutions, Inc. (D&H) is providing you with this Corrective Action Report (CAR) related to the Cimarron River Spill and cleanup activities which occurred from March 24, 2017 through April 1, 2017.

Background

On December 27, 2016, a Fronk Oil tanker truck transporting unleaded gasoline and diesel fuel was involved in an accident near mile marker 290 on Highway 64, approximately 5 miles east of Eagle Nest. The accident caused a release of approximately 1100 gallons of diesel fuel (from the saddle tanks) and unleaded gasoline to the Cimarron River. Subsequent to the spill, D&H has performed spill response actions including removal of fuel, installation of sorbent booms, pads, and soil and surface water sampling (See Site Location Map, Figure 1, Attachment 1)

Since the release, D&H has mobilized to the spill site on seven occasions (January 3, 2017 thru March 9, 2017) to replace booms, pads, and perform soil and water sampling. Approximately 32 drums of spent absorbent material have been removed from the spill site for disposal. Analytical results from soil samples taken on January 20, 2017 showed TPH DRO present at sites SB2 (6000 mg/kg) and SB3 (25,000 mg/kg) along the Cimarron River. Water sampling were collected on March 13, 2017 from above the Beaver Dam (2 ft west and east of bank area), at the Springer Ditch Diversion point, and at the Raton Diversion point for monitoring any hydrocarbons from the release site.

Analytical results of the beaver dam samples were detected below the laboratory detection levels for TPH 8015 DRO <1.0 mg/L, GRO <0.050 mg/L, and MRO <5.0 mg/L. Volatile organic compounds (VOCs) were also detected below the laboratory detection limits for BTEX EPA Method 8021B.

EL PASO BRANCH

1221 Tower Trail Ln • El Paso, TX 79907 • Phone (915) 859-8150 • Fax (915) 858-4263

ALBUQUERQUE AMARILLO DALLAS \ FT. WORTH EL PASO HOUSTON LUBBOCK MIDLAND \ ODESSA SA N ANTONIO \ AUSTIN

Results show Benzene compounds were detected <1.0 µg/L, Toluene <1.0 µg/L, Ethylbenzene <1.0 µg/L, and Total Xylenes <2.0 µg/L. The diversion point samples were also detected below the laboratory detection limits for TPH and BTEX respectively. TPH DRO results were <1.0 mg/L, GRO <0.050 mg/L, and <5.0 mg/L for MRO. The BTEX compounds were all analyzed <1.0 µg/L.

On March 10, 2017 D&H, representatives from the New Mexico Office of the State Engineer (NMOSE), New Mexico Environmental Department (NMED) Surface Water Quality Bureau (SWQB), E-Risk Solutions, Inc., and the US Army Corp of Engineers (USACE), met on-site to discuss future corrective actions. Soil screening heated headspace monitoring of areas of concern by the NMED/SWQB were conducted.

Data collected from the site was summarized and was provided in a site map in Figure 2 (Attachment 1). The samples were screened using a photo-ionization detector (PID) MiniRae 3000 instrument. Results show at least five distinct areas of concern that required soil removal (Figure 3 and Figure 4).

A preconstruction notification form (PCN) was submitted to USACE on March 16, 2017 to provide access and entry to the Cimarron River. A Corrective Action Plan (CAP) was prepared using data collected on March 10, 2017 and submitted on March 20, 2017 to NMED for approval. Additionally, a NMDOT Traffic Control/Roadwork Permit was submitted on March 30, 2017 for access to the road ROW and for traffic control along a portion of Highway 64 (area of the spill).

Approval was granted for the CAP by NMED on March 20, 2017 and for the PCN from the USACE on March 21, 2017. Approval of the work permit was granted from NMDOT on March 31, 2017. Copies of the approval letters are provided under Attachment 2.

AREA #1

On March 24, 2017 through March 28, 2017, D&H arrived on-site and began performing soil removal in Area #1 and removing existing booms along the river. In addition to removing soil from Area#1, D&H also removed soil from an area identified from the road shoulder to the river's wetted edge per NMDGF and upon obtaining access from NMDOT. Refer to Attachment 3 for photo documentation of the remedial activities. Additionally, pre remedial water samples were collected at the request of NMED along the river bank near Area #5 and below the beaver dam on March 24, 2017. The samples were analyzed for Semi-VOCs and VOCs using EPA Methods 8270 and 8260.

Hand tools and a Dry-Vac truck were used to remove contaminated soil in this area. A confirmation sample was collected on March 26, 2017 for the analysis of BTEX using EPA Method 8260, and TPH GRO/DRO/MRO using EPA Method 8015. Analytical results showed TPH GRO was ND (<4.8 mg/Kg) and MRO was also ND (<47 mg/Kg). TPH DRO was analyzed with a concentration of 88 mg/Kg, and BTEX was non-detected.

D&H proceeded with backfilling of this area with river rock and screens upon receiving approval from NMED and NMDGF. Copies of laboratory reports and populated laboratory results are provided under Attachment 4 and in Tables 1 through 4.

AREA #2

On March 26, 2017, D&H crew proceeded to perform excavation activities on area #2. Excavation activities were performed using shovels, picks, and buckets. One confirmation sample was collected on March 26, 2017 and submitted to Hall Environmental Laboratory. Analytical results showed BTEX concentrations were analyzed non-detected. TPH GRO was also analyzed ND (<4.8 mg/Kg) and DRO was analyzed with a concentration of 19 mg/Kg. After receiving approval to backfill on March 28, 2017, D&H proceeded with backfilling activities in this area with river rock.

AREA #3

On March 26, 2017, excavation activities were performed by D&H Crew. Hand digging along this area was the preferred choice of soil removal. One confirmation sample was collected and submitted to Hall Environmental for analysis. Analytical results showed TPH GRO was 5.7 mg/Kg, DRO was 800 mg/Kg and MRO was ND (<47 mg/Kg). BTEX was analyzed non-detected and below the laboratory reporting limits.

On March 28, 2017, D&H personnel return to Area #3 to perform additional over-excavation activities as requested by NMED. Upon completing additional excavation activities, another confirmation sample was collected and analyzed for BTEX and TPH. Analytical results showed GRO was ND, DRO was 220 mg/Kg, and MRO was ND. BTEX was also analyzed ND.

On March 29, through March 30, 2017, D&H crew returned to Area #3 and continued over-excavation activities. A third confirmation sample was collected on March 30, 2017 with TPH GRO/DRO/MRO analyzed as non-detected. BTEX compounds were also analyzed as non-detected and below the laboratory reporting limits. Upon receiving approval and confirmation from NMED and NMDGF, D&H proceeded with backfilling activities on April 1, 2017.

AREA #4

On March 26, 2017, excavation activities were performed on this area. Area #4 was subdivided into two areas; Area #4-1 (east bank) and area #4-2 (west bank). Upon completing excavation activities, confirmation samples were collected and submitted for laboratory analysis. Analytical results showed Area #4-1 was reported with non-detected results for TPH GRO/DRO/MRO and for the BTEX compounds. Area #4-2 showed non-detected results for GRO (<4.6 mg/Kg), DRO was 550 mg/Kg, and MRO was non-detected (<49 mg/Kg). BTEX compounds were also non-detected.

On March 28, 2017, D&H personnel returned to Area #4-2 and proceeded with additional excavation activities as requested by NMED. After excavation and removal of soils were completed, an additional confirmation sample was collected and submitted for analysis. Analytical results showed GRO was non-detected (<5.0 mg/Kg), DRO was 45 mg/Kg, and MRO was analyzed with non-detected levels (<50 mg/Kg). On March 30, 2017, D&H received approval to backfill this area.

AREA #5

As previously stated above, water samples were collected near the river bank in Area #5 and below the beaver dam on March 24, 2017 to confirm the presence of hydrocarbons, based on prior sampling data. The water samples were analyzed for semi-volatiles organic compounds (SVOCs) using EPA Method 8270C and Volatile Organic Compounds (VOCs) using EPA Method 8260B. Results of the analysis showed all compounds (SVOCs and VOCs) were analyzed non-detected and below the laboratory reporting limits.

On March 26, 2017, D&H proceeded with excavation activities in this area. One confirmation sample was collected and analyzed for TPH 8015 GRO/DRO/MRO and for BTEX 8260. Results of the analysis showed TPH GRO/DRO/MRO were analyzed non-detected and BTEX was also analyzed non-detected and below the laboratory reporting limits. On March 28, 2017, D&H received approval to backfill this area.

Water Sampling

At the request of NMED, D&H collected water samples at the following locations to confirm the non-presence of hydrocarbons in the river upon completion of the remedial activities:

- Below the culverts under Hwy 64
- Below the beaver dam
- At the Raton drinking water intake (Diversion Point), and
- At the Springer drinking water intake (Diversion Point).

On April 7, 2017, D&H proceeded with the water sampling and submitted the samples for the analysis of TPH GRO/DRO/MRO and BTEX. Results of the analyses showed all compounds for TPH and BTEX were analyzed non-detected and below the laboratory reporting limits.

Housekeeping

On April 13, 2017, NMDGF requested D&H to conduct a walkthrough of the area and along both sides of the river banks to collect any debris and trash left behind from the spill incident and remedial activities. On April 17, 2016 D&H conducted housekeeping activities of the site, along both sides of the bank, and around the ingress/egress areas.

Monitoring Reports

As part of the requirements of the USACE approval letter (Permit Action No. SPA-2016-00411). Photo-documentation of each general removal area shall be submitted via email to monitor any erosion effects of the remedial activities.

On May 1, 2017 and June 1 2017, D&H mobilized to the site and collected photographs of the soil removal areas (Areas #1 through #5). The photographs were prepared in document format and submitted to USACE via email as required. Refer to Attachment 5 for copies of the photo documentation.

Re-vegetation Plan

A revegetation plan was submitted to the USACE via email on May 3, 2017 as required by the approved letter dated March 21, 2017. As of the date of the report, a response has not been received by D&H. A copy of the plan is provided under Attachment 6.

Waste Management

Approximately ten (10) cubic yards of soil was removed from the river banks. Four cubic yard boxes were used for the containment of used booms and pads. Eleven (11) drums were also used for the storage of water generated during the dewatering process of the soils. Upon receiving approval for the disposal of the wastes, manifests were prepared for the off-site disposal of the waste generated during the remedial activities. Copies of the waste manifests are provided under Attachment 7.

Conclusions and Recommendations

Based on the water and soil sampling results collected during the remedial activities, it can be concluded that the site is considered clean. Additionally, NMED/NMDGF has also reported that fish tissue results show the site is considered clean. Therefore, it is recommended that this project be considered closed with no further actions from NMED/NMDGF.

Should you have any questions on this corrective action report, please do not hesitate to give us a call at 1-800-351-2227 ext. 129. We look forward in completing this project with NMED and NMDGF.

Sincerely,



Rosalio Guillen, P.G.
Project Manager

Enclosures

cc: Keith Fronk – Fronk Oil Co., Inc.

ATTACHMENT 1

Site Location Map – Figure 1

Summary of Analytical Data Collected Map - Figure 2

Areas of Soil Removal Figure 3 & 4



SCALE
0' 45' 90'
1" = 180'



D&H UNITED FUELING SOLUTIONS, INC.
 1221 TOWER TRAIL LANE
 EL PASO, TEXAS 79907
 MAIN: (915) 859-8150
 FAX: (915) 859-7229

Project No.	517741
Date:	03/17/17
Scale:	1" = 180 ft
Dwg. by:	RFG
Designed by:	DH/FS

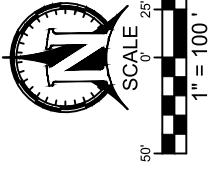
Horseshoe Mine State Highway 64, NM

Frank Oil Co, Inc.

Site Location of Spill Area

No.	Note / Revision	Date

FIGURE 1



Locations of PID Readings



Location	*PID Reading (ppmv)	Time of Collection	Latitude	Longitude
Area 1	409	11:29	36.539085	-105.99431
Area 2	7.9	11:19	36.539079	-105.99407
Area 3	37.8	11:28	36.539266	-105.99390
Area 4	432	11:42	36.539248	-105.98911
Area 5	39.2	11:51	36.539248	-105.98520
Area 6	1.3	12:06	36.538823	-105.97246
Area 7	16.1	12:22	36.53854	-105.97430
Area 8	281	12:26	36.538262	-105.97511
Area 9	2.9	12:44	36.538246	-105.97237
Area 10	3.6	12:51	36.538019	-105.97248

*Heated headspace readings performed on 3/10/2017.

United Fueling Solutions, Inc.
 1221 TOWER TRAIL LANE
 EL PASO, TEXAS 79907
 MAIN: (915) 859-8150
 FAX: (915) 859-7229

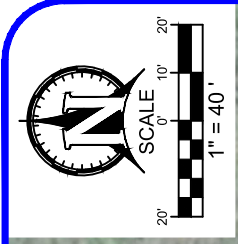
Project No.	517741
Date	03/17/17
Scale	1" = 100 ft.
Drawn by	REG
Designed by	DHUIFS

Frank Oil Co, Inc.
 Near Horseshoe Mine-Cimarron Canyon State Park
 US Hwy 64

Summary of Analytical Data
 Collected along the Cimarron River

No.	Note / Revision	Date

FIGURE 2




UNITED FUELING SOLUTIONS, INC.
 1221 TOWER TRAIL LANE
 EL PASO, TEXAS 79907
 MAIN: (915) 859-8150
 FAX: (915) 859-7229

Project No.	517741
Date:	03/17/2017
Scale:	1" = 40 ft
Dwg. by:	RFG
Designed by:	DHUF5

Frank Oil Co, Inc.
Tanker Spill Hwy 64

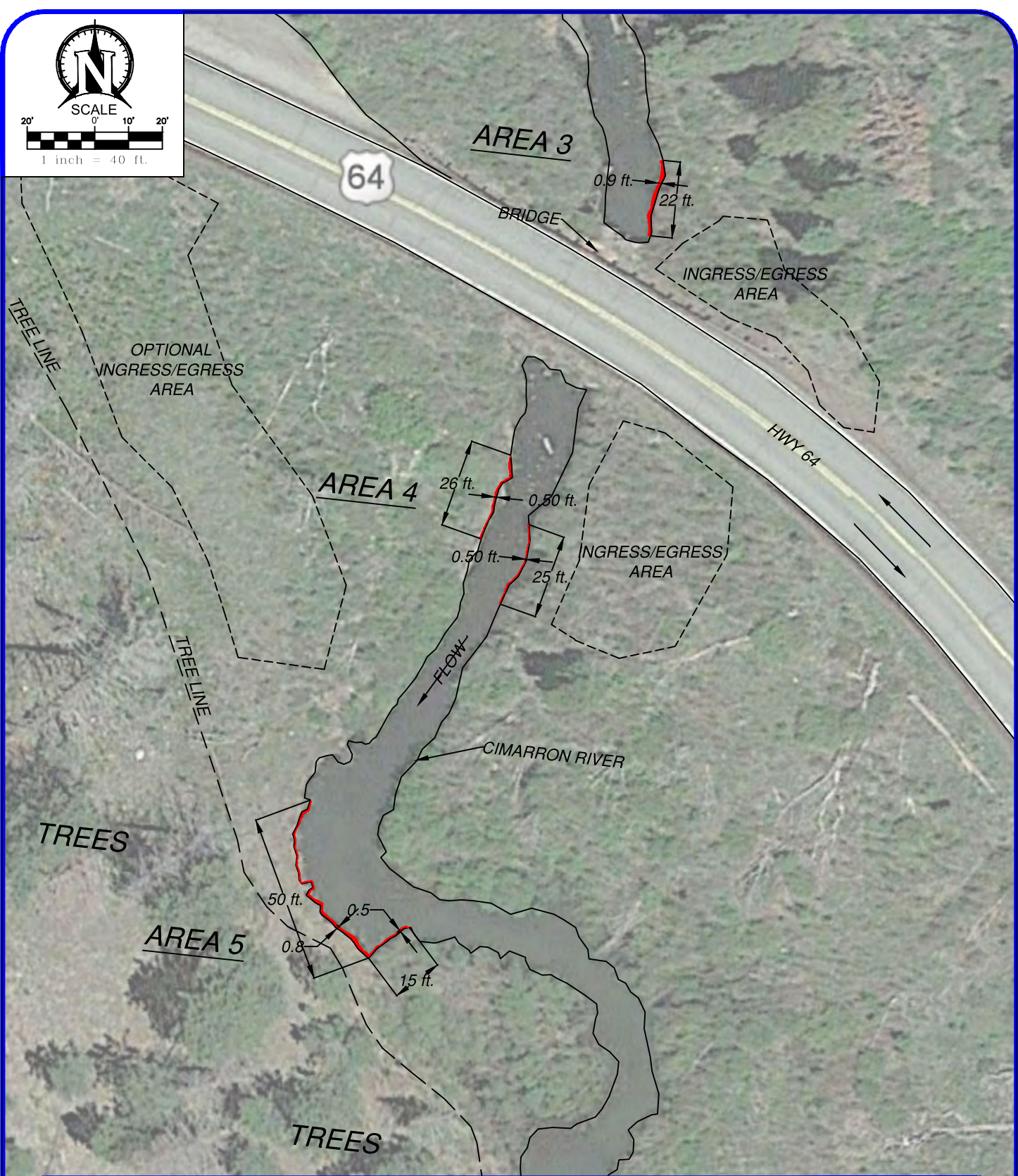
 Sampling Locations and Proposed
 Cleanup Areas

No.	Note / Revision	Date

Sheet No.

FIGURE 3

SCALE
20' 0' 10' 20'
1 inch = 40 ft.



Project No.
517741
Date: 03/17/2017
Scale: 1" = 40 ft
Dwg by: BFG
Designed by: DHUFS

Frank Oil Co, Inc.
Tanker Spill Hwy 64

Sampling Locations and Proposed
Cleanup Areas

UNITED FUELING SOLUTIONS, INC.
1221 TOWER TRAIL LANE
EL PASO, TEXAS 79907
MAIN: (915) 859-8150
FAX: (915) 859-7229

Sheet No.
FIGURE 4

ATTACHMENT 2

USACE Approval Letter
NMED Approval Letter
NMDOT Approval TCP/Roadwork Permit



DEPARTMENT OF THE ARMY
ALBUQUERQUE DISTRICT, CORPS OF ENGINEERS
4101 JEFFERSON PLAZA NE
ALBUQUERQUE, NM 87109

March 21, 2017

Regulatory Division

SUBJECT: Nationwide Permit (NWP) Verification – Action No. SPA-2016-00411, Diesel spill, Cimarron River, Ute Park, Colfax County, NM

Keith Fronk
Fronk Oil Co., Inc
P.O. Box F
Booker, TX 79005

Dear Mr. Fronk:

I am writing this letter in response to your pre-construction notification for your proposed diesel spill contaminated soil removal along the Cimarron River, located at approximately latitude 36.545431, longitude -105.133202, in Colfax County, New Mexico. The work, as described in your application, includes removal of contaminated soil by hand and by heavy equipment along the Cimarron River in five areas where contamination has been noted. The property where the contamination occurred is owned by the New Mexico Department of Game and Fish (NMDGF) and the spill cleanup is being overseen by the New Mexico Environment Department (NMED). We have assigned Action No. SPA-2016-00411 to this project. Please reference this number in all future correspondence concerning the project.

Based on the information provided, we have determined that the project is authorized by NWP 38 Cleanup of Hazardous and Toxic Waste. A summary of this permit and the New Mexico Regional Conditions are available on our website at www.spa.usace.army.mil/reg/nwp. Please refer to our website at www.spa.usace.army.mil/reg/wqc for specific information regarding compliance with water quality certification (WQC) requirements. You must ensure that the work complies with the terms and conditions of the permit, including New Mexico Regional Conditions and conditions of the WQC and the special conditions listed below.

1. You shall submit a revegetation plan with monitoring for Area 5 and other removal areas additionally identified by NMDGF and/or NMED no later than April 3, 2017. Revegetation monitoring and performance standards shall comply with the South Pacific Division Regional Compensatory Mitigation and Monitoring Guidelines and Uniform Performance Standards. These documents may be found at: <http://www.spd.usace.army.mil/Portals/13/docs/regulatory/mitigation/MitMon.pdf> and www.spa.usace.army.mil/Portals/16/docs/civilworks/regulatory/Mitigation/12505.1-SPD Table of Uniform Performance Standards.pdf

2. Monitoring reports shall be submitted by December 31 of each year until performance standards have been met and the Corps has concurred with your written request to be released from further monitoring. Copies shall be submitted to NMDGF and NMED.
3. For the first four months after contaminated material removal has occurred, photo-documentation of each general removal area shall be submitted via email. Photo points should be established that allow the greatest visibility of removal areas. All photographs shall be taken at the same photo points in months 2 through 4. Should erosion greater than a foot in any direction occur in any removal location, the Corps may require adaptive measures to further ensure stability.
4. Pursuant to Part 11 of Appendix C of 33 CFR 325, if buried cultural deposits are encountered during construction, work shall cease immediately and the permittee shall contact the Corps and avoid further impacts to the area until a determination of significance can be made. If necessary, consultation will take place with the State Historic Preservation Officer and Tribes with ties to the area to determine the best course of action. Locations for fill/gravel borrow areas may require additional evaluation under Section 106 of the National Historic Preservation Act.

Under Section 401 of the Clean Water Act, certification of compliance with state or tribal water quality standards by the state water quality agency or tribal water quality certifying authority is required for any discharge of dredged and fill material into waters of the United States under Section 404 of the Clean Water Act.

In the State of New Mexico, the New Mexico Environment Department (NMED) has issued WQC for activities that occur in waters of the U.S. You shall comply with all conditions of the attached certification, including notification to NMED five days prior to initiation of construction. To contact NMED, please use the information below:

Neal Schaeffer, Watershed Protection Section NMED - Surface Water
Quality Bureau
1190 South St. Francis Drive
P.O. Box 5469
Santa Fe, New Mexico 87502
(505) 476-3017

Our review of this project also addressed its effects on threatened and endangered species and historic properties in accordance with general conditions 18 and 20. Based on the information provided, we have determined that this project will not affect any federally listed threatened or endangered species or any historic

properties. However, please note that the permittee is responsible for meeting the requirements of general condition 18 on endangered species and general condition 20 on historic properties.

This letter does not constitute approval of the project design features, nor does it imply that the construction is adequate for its intended purpose. This permit does not authorize any injury to property or invasion of rights or any infringement of federal, state or local laws or regulations. You and/or any contractors acting on your behalf must possess the authority and any other approvals required by law, including property rights, in order to undertake the proposed work.

This permit verification is valid until March 18, 2022 (33 CFR 330.6), unless the NWP is modified, suspended, revoked or reissued prior to that date. Continued confirmation that an activity complies with the terms and conditions, and any changes to the NWP, is your responsibility. Activities that have commenced, or are under contract to commence, in reliance on a NWP will remain authorized provided the activity is completed within 12 months of the date of the NWP's expiration, modification, or revocation.

Within 30 days of project completion, you must fill out the enclosed Certification of Compliance form and return it to our office. The landowner (NMDGF) must allow Corps representatives to inspect the authorized activity at any time deemed necessary to ensure that it is being, or has been, accomplished in accordance with the terms and conditions of the NWP.

I am forwarding a copy of this letter to Neal Schaeffer and Sarah Holcomb, NMED, and Malia Volke, NMDGF. If you have any questions, please contact me at 505-342-3280 or by e-mail at Deanna.L.Cummings@usace.army.mil. At your convenience, please complete a Customer Service Survey on-line available at http://corpsmapu.usace.army.mil/cm_apex/f?p=136:4:0.

Sincerely,

Deanna L. Cummings
Senior Regulatory Project Manager

Enclosure(s)

**Certification of Compliance
with Department of the Army Nationwide Permit**

Action Number: SPA-2016-00411

Name of Permittee: Keith Fronk, Fronk Oil Co., Inc

Nationwide Permit: NWP 38 Cleanup of Hazardous and Toxic Waste.

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

Deanna L. Cummings
Albuquerque District, U.S. Army Corps of Engineers
4101 Jefferson Plaza NE
Albuquerque, NM 87109

Please note that your permitted activity is subject to a compliance inspection by an U.S. Army Corps of Engineers representative. If you fail to comply with this permit, you are subject to permit suspension, modification, or revocation.

Please enclose photographs showing the completed project (if available).

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit, and required mitigation was completed in accordance with the permit conditions.

Date Work Started _____

Date Work Completed _____

Signature of Permittee

Date



NEW MEXICO
ENVIRONMENT DEPARTMENT



SUSANA MARTINEZ
Governor

JOHN A. SANCHEZ
Lieutenant Governor

Harold Runnels Building
1190 South St. Francis Drive (87505)
P.O. Box 5469, Santa Fe, NM 87502-5469
Phone (505) 827-0187 Fax (505) 827-0160
www.env.nm.gov

BUTCH TONGATE
Cabinet Secretary

J. C. BORREGO
Deputy Secretary

March 20, 2017

Mr. Keith Fronk
President
Fronk Oil
14950 TX-23
Booker, TX 79005

RE: Corrective Action Report for the Cimarron River Spill on State Highway 64 Near the Horseshoe Mine, Cimarron Canyon State Park, New Mexico

Dear Mr. Fronk:

NMED received your corrective action plan for the spill cleanup and assessment of the unleaded gasoline and diesel fuel spill into the Cimarron River on December 27, 2016.

NMED approves your plan with the following conditions:

- NMED requires that after you have conducted removal actions on the river banks, you must collect confirmation soil samples as composites for laboratory analyses.
- NMED requires that water samples are analyzed for volatile organic compounds with EPA Method 8260, not EPA Method 8021. Additionally, water samples should also be analyzed for semi-volatile organic compounds with EPA Method 8270. All detection limits must be BELOW standards and screening levels.
- Your cleanup contractor, D&H United Fueling Solutions (D&H), requests NMED guidance on criteria levels for Total Petroleum Hydrocarbon (TPH) analysis. NMED requires EPA Method 8015 for GRO/DRO/MRO for analysis of TPH in water or soil. NMED expects that samples will be at non-detect concentrations to consider closing the environmental file for this site.
- Fronk Oil and its contractor must be cognizant of the timeframes for other agencies' action in the area. Due to the water needs of agricultural communities in the area, the Office of the State Engineer (OSE) must release water from Eagle Nest Lake. OSE anticipates releasing a large volume of water, and it is imperative that Fronk Oil take preventative measures to prevent excessive erosion of the banks. NMED anticipates special conditions in the USACE Section 404 permit to address stabilization and revegetation of the remediation area. Please include preventative measures during implementation of this corrective action plan.

- Additionally, D&H notes that booms will be replaced after soil removal activities, and NMED cautions that due to higher volumes of water from releases from Eagle Nest Lake, and spring runoff in general, booms should be very secure or removed.
- In addition to the noted soil confirmation samples taken at each soil removal site, confirmation water samples shall be taken at the following locations after soil removal actions are complete:
 - Below the culvert beneath Highway 64
 - Below the beaver dam
 - At the Raton Water Works intake
 - At the Springer Water intake
- Samples shall be expedited as noted in your plan (within 24 hours), and analytical data shall be sent to NMED immediately upon receipt.
- If D&H anticipates a need to haul water to affected communities due to interruptions in the cleanup schedule, you must notify NMED immediately.

With these modifications, NMED approves your Corrective Action Report and instructs you to begin soil removal actions immediately upon receipt of the USACE 404 permit.

NMED impresses upon you the importance and needed timeliness of this cleanup action, as many communities downstream of the impacted area depend on this water for drinking and agricultural needs.

If you have any questions, please do not hesitate to contact Sarah Holcomb, Program Manager, Point Source Regulation Section, NMED SWQB at 505-827-2798 or sarah.holcomb@state.nm.us.

Sincerely,

Shelly Lemon, Bureau Chief
Surface Water Quality Bureau
New Mexico Environment Department

Michelle Hunter, Bureau Chief
Ground Water Quality Bureau
New Mexico Environment Department

- CC: Rosalio Guillen, D&H (by email)
Wyatt Medley, USACE (by email)
Deanna Cummings, USACE (by email)
Eric Frey, NMDGF (by email)
Malia Volke, NMDGF (by email)
Tim Farmer, NM OSE (by email)
Jill Turner, NMED Drinking Water Bureau (by email)
Jeff Lewellin, NMED Ground Water Quality Bureau (by email)



NEW MEXICO DEPARTMENT OF TRANSPORTATION (NMDOT)



TRAFFIC CONTROL/ROADWAY WORK PERMIT

NMDOT Project Number (If applicable): _____ Control Number: _____

Originating Party (contracting party/utility permit holder): Fronk Oil Co., Inc.

General Scope of work: Remove soil along shoulder contaminated by petroleum hydrocarbons.

Contractor Name: D&H United Fueling Solutions, Inc.

Contractor Address: 4400 Anaheim NE Albuquerque, NM 87113

Contact Person: Steve Mirabel

Contact Telephone: () - (505) 259-9447 Fax: () -

Traffic Control Firm: Advantage Barricade & Roadmarks, LLC

Certified Traffic Control Supervisor: _____

Contact Telephone: () - (505) 883-5114 Fax: () - (505) 883-5117

Work Zone Location Information:

Interstate, NM, US Route #: US Highway 64, approximately 5 miles east of Eagle Nest, NM

Mile Post: From Mile Marker Post 290 To: 291

Or Intersection: _____ Direction (NB, SB, EB, WB, or both): EB

2 lane Road 4 lane Road 6 lane Road 8 Lane Road Divided Undivided

Existing Speed limit in area: 30 MPH or Ranges from _____ MPH to _____ MPH

Proposed Speed Limit reduction within work zone (If Applicable): No Reduction Required MPH

Working Duration:

Start Date: / / 3/29/2017 End Date: / / 4/1/2017 Daily Start

Time: _____ : _____ A.M. 8:00 AM End Time: _____ : _____ P.M. 5:00 PM

- Purpose of Permit:
- | | | | |
|--------------------------|--|--------------------------|---------------|
| <input type="checkbox"/> | Roadway Construction/Rehab. | <input type="checkbox"/> | Shoulder Work |
| <input type="checkbox"/> | Signal and Lighting Work | <input type="checkbox"/> | Utility Work |
| <input type="checkbox"/> | Drainage/Excavation Work | <input type="checkbox"/> | Soil Testing |
| <input type="checkbox"/> | Signing and Striping Placement | | |
| <input type="checkbox"/> | Other: <u>Excavation work along shoulder</u> | | |

TCP Plan Enclosed: XX (TC Permit will not be processed without a TCP plan)

If no, describe why: _____

Approval is conditioned on the following terms that are deemed accepted by the Contractor upon submission of this Permit

- Traffic Control for operations under this permit shall conform with the Manual on Uniform Traffic Control Devices (MUTCD).
- The Contractor agrees to indemnify and hold harmless the NMDOT and its employees from liability, claims, damages, losses or expenses due to any negligent act of the Contractor, the Contractor's employees, any agent acting on the Contractor's behalf, and anyone else engaged by the Contractor to work pursuant to this permit.
- The Contractor shall provide the NMDOT a certified copy of its insurance policy and certificate of insurance and shall include on the certificate of insurance the NMDOT as an additional-named insured, with notice that the coverage is primary over any other valid insurance.
- Any additional conditions as attached and referenced below.

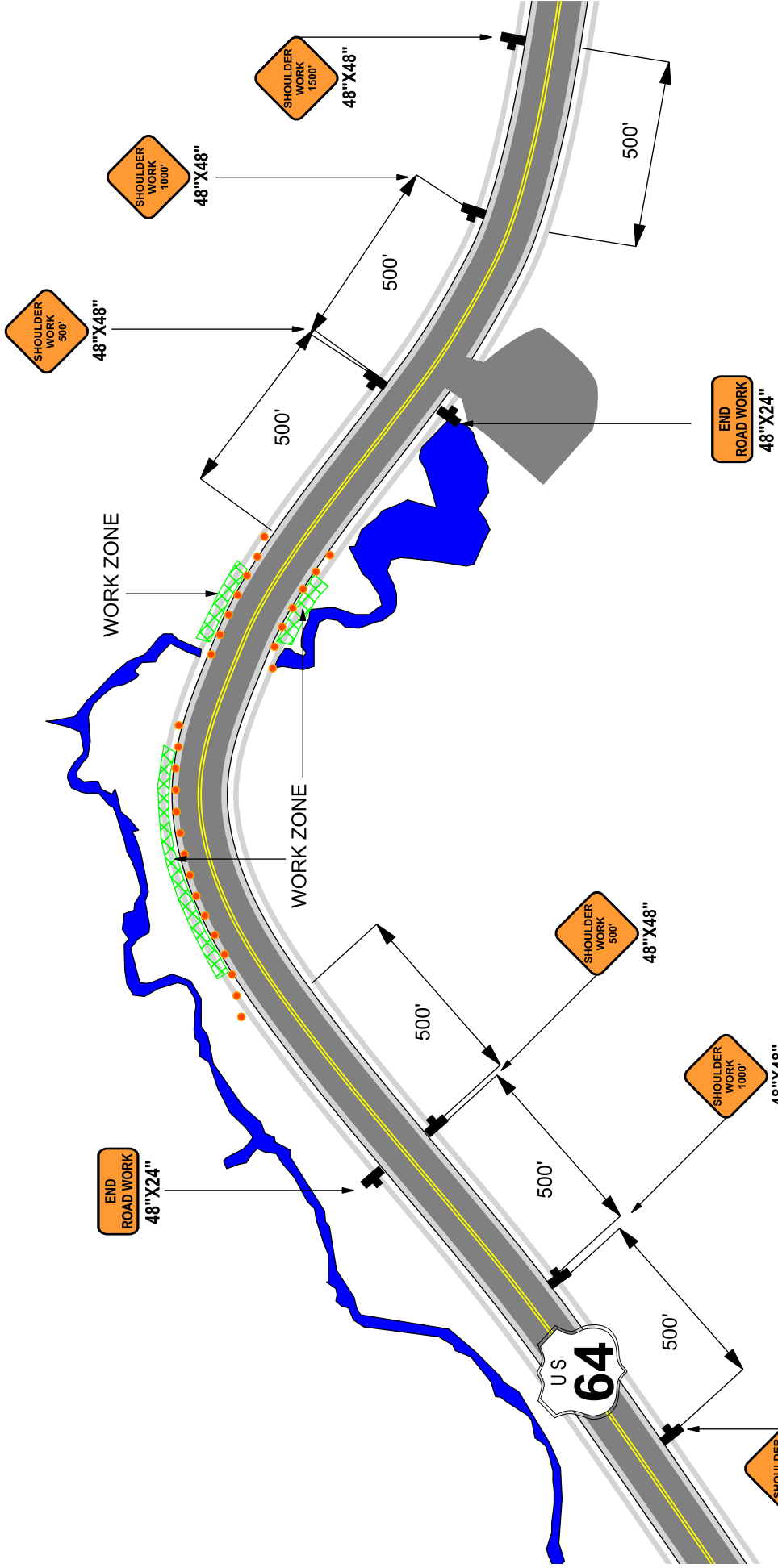
For Official Use:

- Approved (see conditions below) Approved As Amended Not Approved
- TCP Firm and Contractor must adhere to the attached notes.

Permit Number: _____

Approved By: _____

Steve Mirabel 4-036-17 3/31/17
 NMDOT District Four Office - Traffic Section
 TC Multiple Work Zones in Shoulder

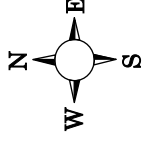
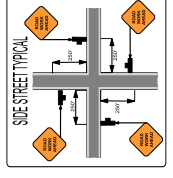


Date: 3/20/2017 **Author:** ANTHONY RAEI **Project:** AR3785 US 64 AT MILE MARKER 279, EAGLE NEST, NM
CONTRACTOR: DH PUMP **PHONE NUMBER:** 915-859-8150 **PO NUMBER:** 366820

Comments:

PLAN NOT TO SCALE
 40 MPH POSTED SPEED LIMIT (30 MPH ADVISORY)
 FIELD ADJUSTMENTS OF TRAFFIC CONTROL MAY BE NECESSARY
 TO ACCOMMODATE SCOPE OF WORK

PHONE (505) 883-5114
 FAX (505) 883-5117



ATTACHMENT 3

Photo Documentation of Remedial Activities

Remedial Action Activities -Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 1 Removal of soil by Dry Vac truck at Area #1.

Remedial Action Activities -Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 2 Removal of soil at Area #2 using hand tools.

Remedial Action Activities -Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 3 Use of buckets to transfer removed soils from the river bank at Area 2.

Remedial Action Activities -Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 4 Use of hand tools and buckets to remove and transfer soils from the river bank at Area #3.

Remedial Action Activities -Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 5 Use of bobcat to transfer soils to rolloff boxes.

**Remedial Action Activities -Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411**



Photo 6 Staging area of rolloff box and drums.

Remedial Action Activities -Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 7 Backfill of area between edge of road shoulder and river south of Area #1.

Remedial Action Activities -Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 8 Backfill of Area #1 with river rock.

Remedial Action Activities -Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 9 Backfill of Area #2 with river rock.

Remedial Action Activities -Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 10 Backfill of Area #3 with river rock.

Remedial Action Activities -Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 11 Backfill of Area #4 with river rock.

Remedial Action Activities -Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 12 Backfill of Area #5 with river rock.

Remedial Action Activities -Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 13 Staging area of cubic yard boxes.

ATTACHMENT 4

Summary Laboratory Tables and Copies of Laboratory Reports

Table 1
Summary Soil Analytical Results for TPH and BTEX
Remedial Activities of the Cimarron River Spill
Eagle Nest, New Mexico
All Units in mg/Kg

Sample Name	Area #1	Area #2	Area #3	Area #4-1	Area #4-2	Area #5
	03/26/17	03/26/17	03/28/17	03/26/17	03/26/17	03/26/17
Volatiles 8260B						
Benzene	<0.024	<0.024	<0.025	<0.024	<0.023	<0.024
Toluene	<0.048	<0.047	<0.050	<0.048	<0.046	<0.047
Ethylbenzene	<0.048	<0.047	<0.050	<0.048	<0.046	<0.047
Xylenes	<0.096	<0.094	<0.10	<0.096	<0.092	<0.095
TPH 8015D						
GRO	<4.8	5.7	<5.0	<4.8	<4.6	<4.7
TPH 8015M/D						
DRO	88	19	220	<9.6	550	45
MRO	<46	<47	61	<48	<49	<46

NA: Not Analyzed

Table 2
Summary Water Analytical Results for TPH and BTEX
Remedial Activities of the Cimarron River Spill
Eagle Nest, New Mexico

Sample Name	*Sample 1		*Sample 2		**Sample 1		**Sample 2		#Below Beaver Dam	#S.D. Diversion	#Raton Diversion
	East Side	West Side	SD Diversion	Raton Diversion	River Bank Area	Below Beaver Dam	Culvert	Beaver Dam			
Sampled Date	03/13/17	03/13/17	03/13/17	03/13/17	03/24/17	03/24/17	03/24/17	04/07/17	04/07/17	04/07/17	04/07/17
Volatiles 8260 (ug/L)											
MTBE	<2.5	<2.5	NA	NA	<1.0	<1.0	<1.0	NA	NA	NA	NA
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes	<2.0	<2.0	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
TPH 8015D (mg/L)											
GRO	<0.050	<0.050	<0.050	<0.050	NA	NA	NA	<0.050	<0.050	<0.050	<0.050
TPH 8015M/D (mg/L)											
DRO	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<1.0	<1.0	<1.0	<1.0
MRO	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	<5.0	<5.0	<5.0	<5.0

NA: Not Analyzed

Notes:

* Collected during exchange of booms and absorbent pads in March 2017.

** Pre remedial activities sampling.

#Post remedial activities.

Table 3
Summary Water Analytical Results for VOCs
Remedial Activities of the Cimarron River
Eagle Nest, New Mexico
All Units ug/L

Sample Name	Sample 1 River Bank Area	Sample 2 Below Beaver Dam
Sampled Date	03/24/17	03/24/17
Volatiles 8260B		
Benzene	<1.0	<1.0
Toluene	<1.0	<1.0
Ethylbenzene	<1.0	<1.0
Methyl tert-butyl ether (MTBE)	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0
1,2-Dichloroethane (EDC)	<1.0	<1.0
1,2-Dibromoethane (EDB)	<1.0	<1.0
Naphthalene	<2.0	<2.0
1-Methylnaphthalene	<4.0	<4.0
2-Methylnaphthalene	<4.0	<4.0
Acetone	<10	<10
Bromobenzene	<1.0	<1.0
Bromodichloromethane	<1.0	<1.0
Bromoform	<1.0	<1.0
Bromomethane	<3.0	<3.0
2-Butanone	<10	<10
Carbon disulfide	<10	<10
Carbon Tetrachloride	<1.0	<1.0
Chlorobenzene	<1.0	<1.0
Chloroethane	<2.0	<2.0
Chloroform	<1.0	<1.0
Chloromethane	<3.0	<3.0
2-Chlorotoluene	<1.0	<1.0
4-Chlorotoluene	<1.0	<1.0
cis-1,2-DCE	<1.0	<1.0
cis-1,3-Dichloropropene	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<2.0	<2.0
Dibromochloromethane	<1.0	<1.0
Dibromomethane	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0
Dichlorodifluoromethane	<1.0	<1.0
1,1-Dichloroethane	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0
1,2-Dichloropropane	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0
2,2-Dichloropropane	<2.0	<2.0
1,1-Dichloropropene	<1.0	<1.0
Hexachlorobutadiene	<1.0	<1.0
2-Hexanone	<10	<10
Isopropylbenzene	<1.0	<1.0
4-Isopropyltoluene	<1.0	<1.0
4-Methyl-2-pentanone	<10	<10

Table 3
Summary Water Analytical Results for VOCs
Remedial Activities of the Cimarron River
Eagle Nest, New Mexico
All Units ug/L

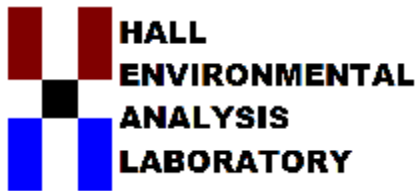
Sample Name	Sample 1 River Bank Area	Sample 2 Below Beaver Dam
Sampled Date	03/24/17	03/24/17
Volatiles 8260B		
Methylene Chloride	<3.0	<3.0
n-Butylbenzene	<3.0	<3.0
n-Propylbenzene	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0
Styrene	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0
1,1,1,2-Tetrachloroethane	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<2.0	<2.0
Tetrachloroethene (PCE)	<1.0	<1.0
trans-1,2-DCE	<1.0	<1.0
trans-1,3-Dichloropropene	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0
Trichloroethene (TCE)	<1.0	<1.0
Trichlorofluoromethane	<1.0	<1.0
1,2,3-Trichloropropane	<2.0	<2.0
Vinyl chloride	<1.0	<1.0
Xylenes, Total	<1.5	<1.5

Table 4
Summary Water Analytical Results for Semi-VOCs
Remedial Activities of the Cimarron River
Eagle Nest, New Mexico
All Units ug/L

Sample Name	Sample 1 River Bank Area	Sample 2 Below Beaver Dam
Sampled Date	03/24/17	03/24/17
Semivolatiles 8270C		
Acenaphthene	<10	<10
Acenaphthylene	<10	<10
Aniline	<10	<10
Anthracene	<10	<10
Azobenzene	<10	<10
Benz(a)anthracene	<10	<10
Benzo(a)pyrene	<10	<10
Benzo(b)fluoranthene	<10	<10
Benzo(g,h,i)perylene	<10	<10
Benzo(k)fluoranthene	<10	<10
Benzoic acid	<20	<20
Benzyl alcohol	<10	<10
Bis(2-chloroethoxy)methane	<10	<10
Bis(2-chloroethyl)ether	<10	<10
Bis(2-chloroisopropyl)ether	<10	<10
Bis(2-ethylhexyl)phthalate	<10	<10
4-Bromophenyl phenyl ether	<10	<10
Butyl benzyl phthalate	<10	<10
Carbazole	<10	<10
4-Chloro-3-methylphenol	<10	<10
4-Chloroaniline	<10	<10
2-Chloronaphthalene	<10	<10
2-Chlorophenol	<10	<10
4-Chlorophenyl phenyl ether	<10	<10
Chrysene	<10	<10
Di-n-butyl phthalate	<10	<10
Di-n-octyl phthalate	<10	<10
Dibenz(a,h)anthracene	<10	<10
Dibenzofuran	<10	<10
1,2-Dichlorobenzene	<10	<10
1,3-Dichlorobenzene	<10	<10
1,4-Dichlorobenzene	<10	<10
3,3'-Dichlorobenzidine	<10	<10
Diethyl phthalate	<10	<10
Dimethyl phthalate	<10	<10
2,4-Dichlorophenol	<10	<10
2,4-Dimethylphenol	<10	<10
4,6-Dinitro-2-methylphenol	<10	<20
2,4-Dinitrophenol	<10	<20
2,4-Dinitrotoluene	<10	<10
2,6-Dinitrotoluene	<10	<10
Fluoranthene	<10	<10
Fluorene	<10	<10
Hexachlorobenzene	<10	<10
Hexachlorobutadiene	<10	<10

Table 4
Summary Water Analytical Results for Semi-VOCs
Remedial Activities of the Cimarron River
Eagle Nest, New Mexico
All Units ug/L

Sample Name	Sample 1 River Bank Area	Sample 2 Below Beaver Dam
Sampled Date	03/24/17	03/24/17
Semivolatiles 8270C		
Hexachlorocyclopentadiene	<10	<10
Hexachloroethane	<10	<10
Indeno(1,2,3-cd)pyrene	<10	<10
Isophorone	<10	<10
1-Methylnaphthalene	<10	<10
2-Methylnaphthalene	<10	<10
2-Methylphenol	<10	<10
3+4-Methylphenol	<10	<10
N-Nitrosodi-n-propylamine	<10	<10
N-Nitrosodimethylamine	<10	<10
N-Nitrosodiphenylamine	<10	<10
Naphthalene	<10	<10
2-Nitroaniline	<10	<10
3-Nitroaniline	<10	<10
4-Nitroaniline	<10	<10
Nitrobenzene	<10	<10
2-Nitrophenol	<10	<10
4-Nitrophenol	<10	<10
Pentachlorophenol	<20	<20
Phenanthrene	<10	<10
Phenol	<10	<10
Pyrene	<10	<10
Pyridine	<10	<10
1,2,4-Trichlorobenzene	<10	<10
2,4,5-Trichlorophenol	<10	<10
2,4,6-Trichlorophenol	<10	<10



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

March 16, 2017

Rosalio Guillen

D & H Petroleum & Environmental

PO Box 92407

Albuquerque, NM 87199

TEL: (505) 342-2024

FAX (505) 342-2109

RE: Eagles Nest/ Beaver Dam

OrderNo.: 1703679

Dear Rosalio Guillen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/14/2017 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', is written over a white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Sample 1 East Side

Project: Eagles Nest/ Beaver Dam

Collection Date: 3/13/2017 2:50:00 PM

Lab ID: 1703679-001

Matrix: AQUEOUS

Received Date: 3/14/2017 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE							Analyst: TOM
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/14/2017 3:49:28 PM	30684
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/14/2017 3:49:28 PM	30684
Surr: DNOP	127	98.8-141		%Rec	1	3/14/2017 3:49:28 PM	30684
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/15/2017 2:28:39 PM	R41384
Surr: BFB	88.5	52.3-138		%Rec	1	3/15/2017 2:28:39 PM	R41384
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/15/2017 2:28:39 PM	B41384
Benzene	ND	1.0		µg/L	1	3/15/2017 2:28:39 PM	B41384
Toluene	ND	1.0		µg/L	1	3/15/2017 2:28:39 PM	B41384
Ethylbenzene	ND	1.0		µg/L	1	3/15/2017 2:28:39 PM	B41384
Xylenes, Total	ND	2.0		µg/L	1	3/15/2017 2:28:39 PM	B41384
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/15/2017 2:28:39 PM	B41384
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/15/2017 2:28:39 PM	B41384
Surr: 4-Bromofluorobenzene	120	80-120	S	%Rec	1	3/15/2017 2:28:39 PM	B41384

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: D & H Petroleum & Environmental

Client Sample ID: Sample 2 West Side

Project: Eagles Nest/ Beaver Dam

Collection Date: 3/13/2017 2:54:00 PM

Lab ID: 1703679-002

Matrix: AQUEOUS

Received Date: 3/14/2017 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE							Analyst: TOM
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/14/2017 4:56:25 PM	30684
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/14/2017 4:56:25 PM	30684
Surr: DNOP	127	98.8-141		%Rec	1	3/14/2017 4:56:25 PM	30684
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/15/2017 3:39:01 PM	R41384
Surr: BFB	88.4	52.3-138		%Rec	1	3/15/2017 3:39:01 PM	R41384
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/15/2017 3:39:01 PM	B41384
Benzene	ND	1.0		µg/L	1	3/15/2017 3:39:01 PM	B41384
Toluene	ND	1.0		µg/L	1	3/15/2017 3:39:01 PM	B41384
Ethylbenzene	ND	1.0		µg/L	1	3/15/2017 3:39:01 PM	B41384
Xylenes, Total	ND	2.0		µg/L	1	3/15/2017 3:39:01 PM	B41384
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/15/2017 3:39:01 PM	B41384
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/15/2017 3:39:01 PM	B41384
Surr: 4-Bromofluorobenzene	122	80-120	S	%Rec	1	3/15/2017 3:39:01 PM	B41384

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#: 1703679

16-Mar-17

Client: D & H Petroleum & Environmental

Project: Eagles Nest/ Beaver Dam

Sample ID	1703679-001BMS	SampType:	MS	TestCode:	EPA Method 8015M/D: Diesel Range					
Client ID:	Sample 1 East Side	Batch ID:	30684	RunNo:	41352					
Prep Date:	3/14/2017	Analysis Date:	3/14/2017	SeqNo:	1296584	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	6.1	1.0	5.000	0	121	87.2	145			
Surr: DNOP	0.62		0.5000		125	98.8	141			

Sample ID	1703679-001BMSD	SampType:	MSD	TestCode:	EPA Method 8015M/D: Diesel Range					
Client ID:	Sample 1 East Side	Batch ID:	30684	RunNo:	41352					
Prep Date:	3/14/2017	Analysis Date:	3/14/2017	SeqNo:	1296585	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	6.0	1.0	5.000	0	119	87.2	145	1.55	20	
Surr: DNOP	0.62		0.5000		125	98.8	141	0	0	

Sample ID	LCS-30684	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range					
Client ID:	LCSW	Batch ID:	30684	RunNo:	41352					
Prep Date:	3/14/2017	Analysis Date:	3/14/2017	SeqNo:	1296589	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.6	1.0	5.000	0	112	82.8	146			
Surr: DNOP	0.58		0.5000		117	98.8	141			

Sample ID	MB-30684	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range					
Client ID:	PBW	Batch ID:	30684	RunNo:	41352					
Prep Date:	3/14/2017	Analysis Date:	3/14/2017	SeqNo:	1296590	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	1.0								
Motor Oil Range Organics (MRO)	ND	5.0								
Surr: DNOP	1.2		1.000		119	98.8	141			

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#: 1703679

16-Mar-17

Client: D & H Petroleum & Environmental
Project: Eagles Nest/ Beaver Dam

Sample ID RB	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBW	Batch ID: R41384		RunNo: 41384							
Prep Date:	Analysis Date: 3/15/2017		SeqNo: 1297716		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	18		20.00		89.1	52.3	138			

Sample ID 2.5UG GRO LCSB	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSW	Batch ID: R41384		RunNo: 41384							
Prep Date:	Analysis Date: 3/15/2017		SeqNo: 1297717		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.51	0.050	0.5000	0	102	79.1	123			
Surr: BFB	19		20.00		96.1	52.3	138			

Sample ID 1703679-001AMS	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: Sample 1 East Side	Batch ID: R41384		RunNo: 41384							
Prep Date:	Analysis Date: 3/15/2017		SeqNo: 1297720		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.51	0.050	0.5000	0	101	64.8	129			
Surr: BFB	19		20.00		94.9	52.3	138			

Sample ID 1703679-001AMSD	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: Sample 1 East Side	Batch ID: R41384		RunNo: 41384							
Prep Date:	Analysis Date: 3/15/2017		SeqNo: 1297721		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.49	0.050	0.5000	0	97.5	64.8	129	3.59	20	
Surr: BFB	19		20.00		93.9	52.3	138	0	0	

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#: 1703679

16-Mar-17

Client: D & H Petroleum & Environmental

Project: Eagles Nest/ Beaver Dam

Sample ID RB	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBW	Batch ID: B41384		RunNo: 41384							
Prep Date:	Analysis Date: 3/15/2017		SeqNo: 1297742		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	2.5								
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
Surr: 4-Bromofluorobenzene	23		20.00		116	80	120			

Sample ID 100NG BTEX LCS	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSW	Batch ID: B41384		RunNo: 41384							
Prep Date:	Analysis Date: 3/15/2017		SeqNo: 1297743		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	21	2.5	20.00	0	105	66.3	115			
Benzene	22	1.0	20.00	0	109	71.7	126			
Toluene	22	1.0	20.00	0	110	73.3	119			
Ethylbenzene	23	1.0	20.00	0	113	80	120			
Xylenes, Total	69	2.0	60.00	0	115	80	120			
1,2,4-Trimethylbenzene	23	1.0	20.00	0	117	64.7	133			
1,3,5-Trimethylbenzene	23	1.0	20.00	0	114	80	120			
Surr: 4-Bromofluorobenzene	24		20.00		118	80	120			

Sample ID 1703679-002AMS	SampType: MS		TestCode: EPA Method 8021B: Volatiles							
Client ID: Sample 2 West Side	Batch ID: B41384		RunNo: 41384							
Prep Date:	Analysis Date: 3/15/2017		SeqNo: 1297797		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	22	2.5	20.00	0	111	63.4	127			
Benzene	23	1.0	20.00	0	113	63	126			
Toluene	23	1.0	20.00	0.2902	116	80	120			
Ethylbenzene	24	1.0	20.00	0	120	80	120			
Xylenes, Total	74	2.0	60.00	0	123	80	120			S
1,2,4-Trimethylbenzene	24	1.0	20.00	0.2522	121	80	120			S
1,3,5-Trimethylbenzene	24	1.0	20.00	0	120	80	120			S
Surr: 4-Bromofluorobenzene	25		20.00		124	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#: 1703679

16-Mar-17

Client: D & H Petroleum & Environmental

Project: Eagles Nest/ Beaver Dam

Sample ID	1703679-002AMSD	SampType:	MSD	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	Sample 2 West Side	Batch ID:	B41384	RunNo:	41384					
Prep Date:		Analysis Date:	3/15/2017	SeqNo:	1297798	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	22	2.5	20.00	0	109	63.4	127	2.11	20	
Benzene	22	1.0	20.00	0	110	63	126	2.89	20	
Toluene	23	1.0	20.00	0.2902	113	80	120	2.27	20	
Ethylbenzene	24	1.0	20.00	0	118	80	120	1.55	20	
Xylenes, Total	72	2.0	60.00	0	120	80	120	1.79	20	S
1,2,4-Trimethylbenzene	24	1.0	20.00	0.2522	120	80	120	0.629	20	S
1,3,5-Trimethylbenzene	24	1.0	20.00	0	118	80	120	1.83	20	
Surr: 4-Bromofluorobenzene	25		20.00		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 |



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: DH Petro ALBUQUERQU

Work Order Number: 1703679

RcptNo: 1

Received by/date:

[Signature] 3/14/17

Logged By: Lindsay Mangin 3/14/2017 8:50:00 AM

[Signature]

Completed By: Lindsay Mangin 3/14/2017 10:16:40 AM

[Signature]

Reviewed By: *[Signature]* 3/14/17

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? Client

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
- 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Not Present			

Chain-of-Custody Record

Client: D & H United Fueling Solutions
 Mailing Address: 4400 Anaheim Ave N.E. Albuquerque, NM
 Phone #: (505) 348-2024
 email or Fax#: r.guillen@d-h-united.com

QA/QC Package
 Standard Level 4 (Full Validator)
 Accreditation
 NELAP Other _____
 EDD (Type) _____

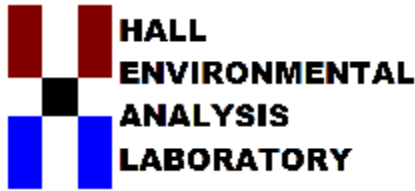
Turn-Around Time: _____
 Standard Rush 3 DAY
 Project Name: Eagles Nest / BEAVER DAM
 Project #: 366601
 Project Manager: Rosalillo Guillen
 Sampler: Stacy
 On Ice: Yes No
 Sample Temperature: 1.3

Date/Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
3-14-17 2:50 pm	water	Sample ① East side	VOA's / Ice / W	Ice / W	1703679 -001
3-14-17 2:54 pm	water	Sample ② West Side	VOA's / Ice / W	Ice / W	-002
3-14-17 2:59 pm	water	Sample ③ Eastside	Amber Jar	Ice	-001
3-14-17 2:55 pm	water	Sample ④ West side	Amber Jar	Ice	-002

Date: 3/14/17 Time: 8:50 am
 Date: 3/14/17 Time: 8:50 am
 Requested by: [Signature]
 Relinquished by: [Signature]
 Received by: [Signature] Date: 03/14/17 Time: 08:50
 Received by: _____ Date: _____ Time: _____

Analysis Request	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 PCBs	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
BTEX + MTBE + TMB's (8021)	X								
BTEX + MTBE + TPH (Gas only)	X								
TPH 8015B (GRO / DRD / MRO)	X								

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.



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

March 17, 2017

Rosalio Guillen
D & H Petroleum & Environmental
PO Box 92407
Albuquerque, NM 87199
TEL: (505) 342-2024
FAX (505) 342-2109

RE: Cimarron and Raton Diversions Eagles Nest Spill

OrderNo.: 1703681

Dear Rosalio Guillen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/14/2017 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', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1703681

Date Reported: 3/17/2017

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Sample 1 SD Diversion

Project: Cimarron and Raton Diversions Eagles N

Collection Date: 3/13/2017 12:44:00 PM

Lab ID: 1703681-001

Matrix: AQUEOUS

Received Date: 3/14/2017 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE							Analyst: TOM
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/14/2017 5:18:37 PM	30684
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/14/2017 5:18:37 PM	30684
Surr: DNOP	127	98.8-141		%Rec	1	3/14/2017 5:18:37 PM	30684
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/15/2017 10:41:49 AM	R41384
Surr: BFB	89.0	52.3-138		%Rec	1	3/15/2017 10:41:49 AM	R41384
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	1.0		µg/L	1	3/15/2017 11:37:57 AM	SL41385
Toluene	ND	1.0		µg/L	1	3/15/2017 11:37:57 AM	SL41385
Ethylbenzene	ND	1.0		µg/L	1	3/15/2017 11:37:57 AM	SL41385
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/15/2017 11:37:57 AM	SL41385
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/15/2017 11:37:57 AM	SL41385
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/15/2017 11:37:57 AM	SL41385
Xylenes, Total	ND	1.5		µg/L	1	3/15/2017 11:37:57 AM	SL41385
Surr: 1,2-Dichloroethane-d4	116	70-130		%Rec	1	3/15/2017 11:37:57 AM	SL41385
Surr: 4-Bromofluorobenzene	93.7	70-130		%Rec	1	3/15/2017 11:37:57 AM	SL41385
Surr: Dibromofluoromethane	112	70-130		%Rec	1	3/15/2017 11:37:57 AM	SL41385
Surr: Toluene-d8	101	70-130		%Rec	1	3/15/2017 11:37:57 AM	SL41385

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 1703681

Date Reported: 3/17/2017

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Sample 2 Raton Diversion

Project: Cimarron and Raton Diversions Eagles N

Collection Date: 3/13/2017 1:36:00 PM

Lab ID: 1703681-002

Matrix: AQUEOUS

Received Date: 3/14/2017 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE							Analyst: TOM
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/14/2017 5:40:54 PM	30684
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/14/2017 5:40:54 PM	30684
Surr: DNOP	129	98.8-141		%Rec	1	3/14/2017 5:40:54 PM	30684
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/15/2017 11:04:20 AM	R41384
Surr: BFB	87.3	52.3-138		%Rec	1	3/15/2017 11:04:20 AM	R41384
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	1.0		µg/L	1	3/15/2017 12:06:20 PM	SL41385
Toluene	ND	1.0		µg/L	1	3/15/2017 12:06:20 PM	SL41385
Ethylbenzene	ND	1.0		µg/L	1	3/15/2017 12:06:20 PM	SL41385
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/15/2017 12:06:20 PM	SL41385
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/15/2017 12:06:20 PM	SL41385
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/15/2017 12:06:20 PM	SL41385
Xylenes, Total	ND	1.5		µg/L	1	3/15/2017 12:06:20 PM	SL41385
Surr: 1,2-Dichloroethane-d4	111	70-130		%Rec	1	3/15/2017 12:06:20 PM	SL41385
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	3/15/2017 12:06:20 PM	SL41385
Surr: Dibromofluoromethane	110	70-130		%Rec	1	3/15/2017 12:06:20 PM	SL41385
Surr: Toluene-d8	101	70-130		%Rec	1	3/15/2017 12:06:20 PM	SL41385

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#: 1703681

17-Mar-17

Client: D & H Petroleum & Environmental
Project: Cimarron and Raton Diversions Eagles Nest Spil

Sample ID LCS-30684	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range							
Client ID: LCSW	Batch ID: 30684		RunNo: 41352							
Prep Date: 3/14/2017	Analysis Date: 3/14/2017		SeqNo: 1296589				Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.6	1.0	5.000	0	112	82.8	146			
Surr: DNOP	0.58		0.5000		117	98.8	141			

Sample ID MB-30684	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range							
Client ID: PBW	Batch ID: 30684		RunNo: 41352							
Prep Date: 3/14/2017	Analysis Date: 3/14/2017		SeqNo: 1296590				Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	1.0								
Motor Oil Range Organics (MRO)	ND	5.0								
Surr: DNOP	1.2		1.000		119	98.8	141			

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#: 1703681

17-Mar-17

Client: D & H Petroleum & Environmental
Project: Cimarron and Raton Diversions Eagles Nest Spil

Sample ID RB	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBW	Batch ID: R41384		RunNo: 41384							
Prep Date:	Analysis Date: 3/15/2017		SeqNo: 1297716		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	18		20.00		89.1	52.3	138			

Sample ID 2.5UG GRO LCSB	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSW	Batch ID: R41384		RunNo: 41384							
Prep Date:	Analysis Date: 3/15/2017		SeqNo: 1297717		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.51	0.050	0.5000	0	102	79.1	123			
Surr: BFB	19		20.00		96.1	52.3	138			

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#: 1703681

17-Mar-17

Client: D & H Petroleum & Environmental
Project: Cimarron and Raton Diversions Eagles Nest Spil

Sample ID rb	SampType: MBLK		TestCode: EPA Method 8260: Volatiles Short List							
Client ID: PBW	Batch ID: SL41385		RunNo: 41385							
Prep Date:	Analysis Date: 3/15/2017		SeqNo: 1297400		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		112	70	130			
Surr: 4-Bromofluorobenzene	9.5		10.00		95.4	70	130			
Surr: Dibromofluoromethane	11		10.00		114	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID 100ng lcs	SampType: LCS		TestCode: EPA Method 8260: Volatiles Short List							
Client ID: LCSW	Batch ID: SL41385		RunNo: 41385							
Prep Date:	Analysis Date: 3/15/2017		SeqNo: 1297401		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	110	70	130			
Toluene	19	1.0	20.00	0	96.5	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		108	70	130			
Surr: 4-Bromofluorobenzene	9.3		10.00		93.4	70	130			
Surr: Dibromofluoromethane	11		10.00		110	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID 1703681-001a ms	SampType: MS		TestCode: EPA Method 8260: Volatiles Short List							
Client ID: Sample 1 SD Divers	Batch ID: SL41385		RunNo: 41385							
Prep Date:	Analysis Date: 3/15/2017		SeqNo: 1297799		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	117	70	130			
Toluene	20	1.0	20.00	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		112	70	130			
Surr: 4-Bromofluorobenzene	9.5		10.00		94.6	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	10		10.00		100	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#: 1703681

17-Mar-17

Client: D & H Petroleum & Environmental
Project: Cimarron and Raton Diversions Eagles Nest Spil

Sample ID	1703681-001a msd	SampType:	MSD	TestCode:	EPA Method 8260: Volatiles Short List					
Client ID:	Sample 1 SD Divers	Batch ID:	SL41385	RunNo:	41385					
Prep Date:		Analysis Date:	3/15/2017	SeqNo:	1297800	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	117	70	130	0.709	20	
Toluene	21	1.0	20.00	0	103	70	130	0.754	20	
Surr: 1,2-Dichloroethane-d4	11		10.00		114	70	130	0	0	
Surr: 4-Bromofluorobenzene	8.9		10.00		89.4	70	130	0	0	
Surr: Dibromofluoromethane	11		10.00		111	70	130	0	0	
Surr: Toluene-d8	10		10.00		102	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 |



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: DH Petro ALBUQUERQU

Work Order Number: 1703681

RcptNo: 1

Received by/date: AM 3/14/17

Logged By: **Lindsay Mangin** 3/14/2017 8:50:00 AM *Lindsay Mangin*

Completed By: **Lindsay Mangin** 3/14/2017 10:27:52 AM *Lindsay Mangin*

Reviewed By: TO 3/14/17

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? Client

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
12. Does paperwork match bottle labels? 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? 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Not Present			

Chain-of-Custody Record

Client: D&H United Fueling Solutions
 Mailing Address: 4900 Antheim Ave
N.E. Alvarado Ave, NM
 Phone #: (505) 392-2024
 email or Fax#: rguillen@d&h-united.com

QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation:
 NELAP Other
 EDD (Type)

Turn-Around Time: 24HR
 Standard Rush
 Project Name: Cimarron and Paton Diversions/Eagles Nest spill
 Project #: 366601
 Project Manager: Rosillo Guillen
 Sampler: Steve
 On Ice: Yes No
 Sample Temperature: 1.3

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
3-13-17	12:44 pm	Water	Sample ① S.D. Diversion	40 mL (6)	ice	1703681
3-15-17	12:40 pm	Water	Sample ② S.D. Diversion	amber jar (1)	ice	-001
3-13-17	1:36 pm	Water	Sample ③ Paton Diversion	Amber Jar (1)	ice	-002
3-13-17	1:37 pm	Water	Sample ④ Paton Diversion	40 mL (6)	ice	

Date: 3/14/17 Time: 8:50 am Relinquished by: Steve W. [Signature]
 Date: 03/14/17 Time: 08:50 Received by: [Signature]

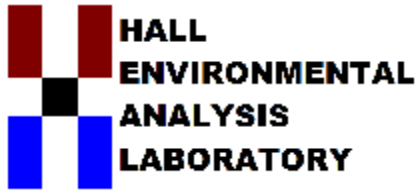
HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

<input checked="" type="checkbox"/> BTEX + MTBE + TMBs (8021)	<input checked="" type="checkbox"/> BTEX + MTBE + TPH (Gas only)	<input checked="" type="checkbox"/> TPH 8015B (GRD / 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 PCBs	8260B (VCA)	8270 (Semi-VCA)	Air Bubbles (Y or N)
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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.



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

March 29, 2017

Rosalio Guillen

D & H Petroleum & Environmental
PO Box 92407

Albuquerque, NM 87199

TEL: (505) 342-2024

FAX (505) 342-2109

RE: Cimarron River/Eagles Nest

OrderNo.: 1703D13

Dear Rosalio Guillen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/25/2017 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', is written over a white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1703D13

Date Reported: 3/29/2017

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Sample 1 River Bank Area

Project: Cimarron River/Eagles Nest

Collection Date: 3/24/2017 2:53:00 PM

Lab ID: 1703D13-001

Matrix: AQUEOUS

Received Date: 3/25/2017 8:38:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES							Analyst: DAM
Acenaphthene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Acenaphthylene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Aniline	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Anthracene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Azobenzene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Benz(a)anthracene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Benzo(a)pyrene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Benzo(b)fluoranthene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Benzo(g,h,i)perylene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Benzo(k)fluoranthene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Benzoic acid	ND	20		µg/L	1	3/28/2017 9:32:02 PM	30932
Benzyl alcohol	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
4-Bromophenyl phenyl ether	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Butyl benzyl phthalate	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Carbazole	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
4-Chloro-3-methylphenol	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
4-Chloroaniline	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
2-Chloronaphthalene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
2-Chlorophenol	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Chrysene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Di-n-butyl phthalate	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Di-n-octyl phthalate	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Dibenzofuran	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
1,2-Dichlorobenzene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
1,3-Dichlorobenzene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
1,4-Dichlorobenzene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
3,3'-Dichlorobenzidine	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Diethyl phthalate	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Dimethyl phthalate	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
2,4-Dichlorophenol	ND	20		µg/L	1	3/28/2017 9:32:02 PM	30932
2,4-Dimethylphenol	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	3/28/2017 9:32:02 PM	30932
2,4-Dinitrophenol	ND	20		µg/L	1	3/28/2017 9:32:02 PM	30932

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 1703D13

Date Reported: 3/29/2017

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Sample 1 River Bank Area

Project: Cimarron River/Eagles Nest

Collection Date: 3/24/2017 2:53:00 PM

Lab ID: 1703D13-001

Matrix: AQUEOUS

Received Date: 3/25/2017 8:38:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES							Analyst: DAM
2,4-Dinitrotoluene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
2,6-Dinitrotoluene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Fluoranthene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Fluorene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Hexachlorobenzene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Hexachlorobutadiene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Hexachloroethane	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Isophorone	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
1-Methylnaphthalene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
2-Methylnaphthalene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
2-Methylphenol	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
3+4-Methylphenol	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
N-Nitrosodimethylamine	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Naphthalene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
2-Nitroaniline	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
3-Nitroaniline	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
4-Nitroaniline	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Nitrobenzene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
2-Nitrophenol	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
4-Nitrophenol	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Pentachlorophenol	ND	20		µg/L	1	3/28/2017 9:32:02 PM	30932
Phenanthrene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Phenol	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Pyrene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Pyridine	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
1,2,4-Trichlorobenzene	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
2,4,5-Trichlorophenol	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
2,4,6-Trichlorophenol	ND	10		µg/L	1	3/28/2017 9:32:02 PM	30932
Surr: 2-Fluorophenol	43.5	15-98.1		%Rec	1	3/28/2017 9:32:02 PM	30932
Surr: Phenol-d5	29.5	15-80.7		%Rec	1	3/28/2017 9:32:02 PM	30932
Surr: 2,4,6-Tribromophenol	52.8	15-112		%Rec	1	3/28/2017 9:32:02 PM	30932
Surr: Nitrobenzene-d5	56.0	27.2-90.7		%Rec	1	3/28/2017 9:32:02 PM	30932
Surr: 2-Fluorobiphenyl	49.7	23.3-85.6		%Rec	1	3/28/2017 9:32:02 PM	30932
Surr: 4-Terphenyl-d14	47.9	27.6-107		%Rec	1	3/28/2017 9:32:02 PM	30932

EPA METHOD 8260B: VOLATILES

Analyst: **rde**

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 1703D13

Date Reported: 3/29/2017

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Sample 1 River Bank Area

Project: Cimarron River/Eagles Nest

Collection Date: 3/24/2017 2:53:00 PM

Lab ID: 1703D13-001

Matrix: AQUEOUS

Received Date: 3/25/2017 8:38:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: rde
Benzene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Toluene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Ethylbenzene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Naphthalene	ND	2.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
2-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Acetone	ND	10		µg/L	1	3/27/2017 4:23:00 PM	R41692
Bromobenzene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Bromodichloromethane	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Bromoform	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Bromomethane	ND	3.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
2-Butanone	ND	10		µg/L	1	3/27/2017 4:23:00 PM	R41692
Carbon disulfide	ND	10		µg/L	1	3/27/2017 4:23:00 PM	R41692
Carbon Tetrachloride	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Chlorobenzene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Chloroethane	ND	2.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Chloroform	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Chloromethane	ND	3.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
2-Chlorotoluene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
4-Chlorotoluene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
cis-1,2-DCE	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Dibromochloromethane	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Dibromomethane	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,1-Dichloroethane	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,1-Dichloroethene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,2-Dichloropropane	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,3-Dichloropropane	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
2,2-Dichloropropane	ND	2.0		µg/L	1	3/27/2017 4:23:00 PM	R41692

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: D & H Petroleum & Environmental

Client Sample ID: Sample 1 River Bank Area

Project: Cimarron River/Eagles Nest

Collection Date: 3/24/2017 2:53:00 PM

Lab ID: 1703D13-001

Matrix: AQUEOUS

Received Date: 3/25/2017 8:38:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: rde
1,1-Dichloropropene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Hexachlorobutadiene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
2-Hexanone	ND	10		µg/L	1	3/27/2017 4:23:00 PM	R41692
Isopropylbenzene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
4-Isopropyltoluene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2017 4:23:00 PM	R41692
Methylene Chloride	ND	3.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
n-Butylbenzene	ND	3.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
n-Propylbenzene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
sec-Butylbenzene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Styrene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
tert-Butylbenzene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
trans-1,2-DCE	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Trichlorofluoromethane	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Vinyl chloride	ND	1.0		µg/L	1	3/27/2017 4:23:00 PM	R41692
Xylenes, Total	ND	1.5		µg/L	1	3/27/2017 4:23:00 PM	R41692
Surr: 1,2-Dichloroethane-d4	92.5	70-130		%Rec	1	3/27/2017 4:23:00 PM	R41692
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	3/27/2017 4:23:00 PM	R41692
Surr: Dibromofluoromethane	106	70-130		%Rec	1	3/27/2017 4:23:00 PM	R41692
Surr: Toluene-d8	102	70-130		%Rec	1	3/27/2017 4:23:00 PM	R41692

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 1703D13

Date Reported: 3/29/2017

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Sample 2 Below Beaver Dam

Project: Cimarron River/Eagles Nest

Collection Date: 3/24/2017 3:04:00 PM

Lab ID: 1703D13-002

Matrix: AQUEOUS

Received Date: 3/25/2017 8:38:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES							Analyst: DAM
Acenaphthene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Acenaphthylene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Aniline	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Anthracene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Azobenzene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Benz(a)anthracene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Benzo(a)pyrene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Benzo(b)fluoranthene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Benzo(g,h,i)perylene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Benzo(k)fluoranthene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Benzoic acid	ND	20		µg/L	1	3/28/2017 9:59:28 PM	30932
Benzyl alcohol	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
4-Bromophenyl phenyl ether	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Butyl benzyl phthalate	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Carbazole	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
4-Chloro-3-methylphenol	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
4-Chloroaniline	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
2-Chloronaphthalene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
2-Chlorophenol	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Chrysene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Di-n-butyl phthalate	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Di-n-octyl phthalate	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Dibenzofuran	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
1,2-Dichlorobenzene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
1,3-Dichlorobenzene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
1,4-Dichlorobenzene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
3,3'-Dichlorobenzidine	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Diethyl phthalate	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Dimethyl phthalate	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
2,4-Dichlorophenol	ND	20		µg/L	1	3/28/2017 9:59:28 PM	30932
2,4-Dimethylphenol	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	3/28/2017 9:59:28 PM	30932
2,4-Dinitrophenol	ND	20		µg/L	1	3/28/2017 9:59:28 PM	30932

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
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	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 1703D13

Date Reported: 3/29/2017

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Sample 2 Below Beaver Dam

Project: Cimarron River/Eagles Nest

Collection Date: 3/24/2017 3:04:00 PM

Lab ID: 1703D13-002

Matrix: AQUEOUS

Received Date: 3/25/2017 8:38:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: SEMIVOLATILES							Analyst: DAM
2,4-Dinitrotoluene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
2,6-Dinitrotoluene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Fluoranthene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Fluorene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Hexachlorobenzene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Hexachlorobutadiene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Hexachloroethane	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Isophorone	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
1-Methylnaphthalene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
2-Methylnaphthalene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
2-Methylphenol	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
3+4-Methylphenol	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
N-Nitrosodimethylamine	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Naphthalene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
2-Nitroaniline	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
3-Nitroaniline	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
4-Nitroaniline	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Nitrobenzene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
2-Nitrophenol	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
4-Nitrophenol	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Pentachlorophenol	ND	20		µg/L	1	3/28/2017 9:59:28 PM	30932
Phenanthrene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Phenol	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Pyrene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Pyridine	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
1,2,4-Trichlorobenzene	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
2,4,5-Trichlorophenol	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
2,4,6-Trichlorophenol	ND	10		µg/L	1	3/28/2017 9:59:28 PM	30932
Surr: 2-Fluorophenol	45.7	15-98.1		%Rec	1	3/28/2017 9:59:28 PM	30932
Surr: Phenol-d5	33.1	15-80.7		%Rec	1	3/28/2017 9:59:28 PM	30932
Surr: 2,4,6-Tribromophenol	56.5	15-112		%Rec	1	3/28/2017 9:59:28 PM	30932
Surr: Nitrobenzene-d5	60.2	27.2-90.7		%Rec	1	3/28/2017 9:59:28 PM	30932
Surr: 2-Fluorobiphenyl	51.8	23.3-85.6		%Rec	1	3/28/2017 9:59:28 PM	30932
Surr: 4-Terphenyl-d14	53.1	27.6-107		%Rec	1	3/28/2017 9:59:28 PM	30932

EPA METHOD 8260B: VOLATILES

Analyst: **rde**

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 1703D13

Date Reported: 3/29/2017

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Sample 2 Below Beaver Dam

Project: Cimarron River/Eagles Nest

Collection Date: 3/24/2017 3:04:00 PM

Lab ID: 1703D13-002

Matrix: AQUEOUS

Received Date: 3/25/2017 8:38:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: rde
Benzene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Toluene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Ethylbenzene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Naphthalene	ND	2.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
2-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Acetone	ND	10		µg/L	1	3/27/2017 5:34:00 PM	R41692
Bromobenzene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Bromodichloromethane	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Bromoform	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Bromomethane	ND	3.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
2-Butanone	ND	10		µg/L	1	3/27/2017 5:34:00 PM	R41692
Carbon disulfide	ND	10		µg/L	1	3/27/2017 5:34:00 PM	R41692
Carbon Tetrachloride	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Chlorobenzene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Chloroethane	ND	2.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Chloroform	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Chloromethane	ND	3.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
2-Chlorotoluene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
4-Chlorotoluene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
cis-1,2-DCE	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Dibromochloromethane	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Dibromomethane	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,1-Dichloroethane	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,1-Dichloroethene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,2-Dichloropropane	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,3-Dichloropropane	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
2,2-Dichloropropane	ND	2.0		µg/L	1	3/27/2017 5:34:00 PM	R41692

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 1703D13

Date Reported: 3/29/2017

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Sample 2 Below Beaver Dam

Project: Cimarron River/Eagles Nest

Collection Date: 3/24/2017 3:04:00 PM

Lab ID: 1703D13-002

Matrix: AQUEOUS

Received Date: 3/25/2017 8:38:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: rde
1,1-Dichloropropene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Hexachlorobutadiene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
2-Hexanone	ND	10		µg/L	1	3/27/2017 5:34:00 PM	R41692
Isopropylbenzene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
4-Isopropyltoluene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2017 5:34:00 PM	R41692
Methylene Chloride	ND	3.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
n-Butylbenzene	ND	3.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
n-Propylbenzene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
sec-Butylbenzene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Styrene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
tert-Butylbenzene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
trans-1,2-DCE	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Trichlorofluoromethane	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Vinyl chloride	ND	1.0		µg/L	1	3/27/2017 5:34:00 PM	R41692
Xylenes, Total	ND	1.5		µg/L	1	3/27/2017 5:34:00 PM	R41692
Surr: 1,2-Dichloroethane-d4	91.8	70-130		%Rec	1	3/27/2017 5:34:00 PM	R41692
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	3/27/2017 5:34:00 PM	R41692
Surr: Dibromofluoromethane	107	70-130		%Rec	1	3/27/2017 5:34:00 PM	R41692
Surr: Toluene-d8	99.8	70-130		%Rec	1	3/27/2017 5:34:00 PM	R41692

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
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	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#: 1703D13

29-Mar-17

Client: D & H Petroleum & Environmental

Project: Cimarron River/Eagles Nest

Sample ID	rb	SampType:	MBLK	TestCode:	EPA Method 8260B: VOLATILES					
Client ID:	PBW	Batch ID:	R41692	RunNo:	41692					
Prep Date:		Analysis Date:	3/27/2017	SeqNo:	1308248	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								

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#: 1703D13

29-Mar-17

Client: D & H Petroleum & Environmental

Project: Cimarron River/Eagles Nest

Sample ID	rb	SampType:	MBLK								TestCode:	EPA Method 8260B: VOLATILES			
Client ID:	PBW	Batch ID:	R41692				RunNo:	41692							
Prep Date:		Analysis Date:	3/27/2017				SeqNo:	1308248	Units:	µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
1,1-Dichloropropene	ND	1.0													
Hexachlorobutadiene	ND	1.0													
2-Hexanone	ND	10													
Isopropylbenzene	ND	1.0													
4-Isopropyltoluene	ND	1.0													
4-Methyl-2-pentanone	ND	10													
Methylene Chloride	ND	3.0													
n-Butylbenzene	ND	3.0													
n-Propylbenzene	ND	1.0													
sec-Butylbenzene	ND	1.0													
Styrene	ND	1.0													
tert-Butylbenzene	ND	1.0													
1,1,1,2-Tetrachloroethane	ND	1.0													
1,1,2,2-Tetrachloroethane	ND	2.0													
Tetrachloroethene (PCE)	ND	1.0													
trans-1,2-DCE	ND	1.0													
trans-1,3-Dichloropropene	ND	1.0													
1,2,3-Trichlorobenzene	ND	1.0													
1,2,4-Trichlorobenzene	ND	1.0													
1,1,1-Trichloroethane	ND	1.0													
1,1,2-Trichloroethane	ND	1.0													
Trichloroethene (TCE)	ND	1.0													
Trichlorofluoromethane	ND	1.0													
1,2,3-Trichloropropane	ND	2.0													
Vinyl chloride	ND	1.0													
Xylenes, Total	ND	1.5													
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.0	70	130								
Surr: 4-Bromofluorobenzene	11		10.00		106	70	130								
Surr: Dibromofluoromethane	10		10.00		102	70	130								
Surr: Toluene-d8	10		10.00		102	70	130								

Sample ID	100ng lcs	SampType:	LCS								TestCode:	EPA Method 8260B: VOLATILES			
Client ID:	LCSW	Batch ID:	R41692				RunNo:	41692							
Prep Date:		Analysis Date:	3/27/2017				SeqNo:	1308249	Units:	µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Benzene	21	1.0	20.00	0	104	70	130								
Toluene	20	1.0	20.00	0	102	70	130								
Chlorobenzene	21	1.0	20.00	0	106	70	130								

Qualifiers:

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- D Sample Diluted Due to Matrix
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- 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#: 1703D13

29-Mar-17

Client: D & H Petroleum & Environmental
Project: Cimarron River/Eagles Nest

Sample ID	100ng lcs		SampType:	LCS		TestCode:	EPA Method 8260B: VOLATILES				
Client ID:	LCSW		Batch ID:	R41692		RunNo:	41692				
Prep Date:			Analysis Date:	3/27/2017		SeqNo:	1308249	Units:	µg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	23	1.0	20.00	0	113	70	130				
Trichloroethene (TCE)	21	1.0	20.00	0	103	70	130				
Surr: 1,2-Dichloroethane-d4	9.3		10.00		92.8	70	130				
Surr: 4-Bromofluorobenzene	11		10.00		105	70	130				
Surr: Dibromofluoromethane	11		10.00		106	70	130				
Surr: Toluene-d8	10		10.00		102	70	130				

Sample ID	1703D13-001AMS		SampType:	MS		TestCode:	EPA Method 8260B: VOLATILES				
Client ID:	Sample 1 River Ban		Batch ID:	R41692		RunNo:	41692				
Prep Date:			Analysis Date:	3/27/2017		SeqNo:	1308511	Units:	µg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	21	1.0	20.00	0	105	70	130				
Toluene	20	1.0	20.00	0.2120	100	70	130				
Chlorobenzene	21	1.0	20.00	0	104	70	130				
1,1-Dichloroethene	22	1.0	20.00	0	112	70	130				
Trichloroethene (TCE)	21	1.0	20.00	0	103	70	130				
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.1	70	130				
Surr: 4-Bromofluorobenzene	10		10.00		104	70	130				
Surr: Dibromofluoromethane	11		10.00		108	70	130				
Surr: Toluene-d8	10		10.00		101	70	130				

Sample ID	1703D13-001AMSD		SampType:	MSD		TestCode:	EPA Method 8260B: VOLATILES				
Client ID:	Sample 1 River Ban		Batch ID:	R41692		RunNo:	41692				
Prep Date:			Analysis Date:	3/27/2017		SeqNo:	1308512	Units:	µg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	20	1.0	20.00	0	102	70	130	2.96	20		
Toluene	20	1.0	20.00	0.2120	97.8	70	130	2.28	20		
Chlorobenzene	20	1.0	20.00	0	101	70	130	2.78	20		
1,1-Dichloroethene	22	1.0	20.00	0	109	70	130	3.30	20		
Trichloroethene (TCE)	20	1.0	20.00	0	99.3	70	130	3.83	20		
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.0	70	130	0	0		
Surr: 4-Bromofluorobenzene	11		10.00		105	70	130	0	0		
Surr: Dibromofluoromethane	11		10.00		106	70	130	0	0		
Surr: Toluene-d8	10		10.00		100	70	130	0	0		

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#: 1703D13

29-Mar-17

Client: D & H Petroleum & Environmental
Project: Cimarron River/Eagles Nest

Sample ID	SampType: LCS		TestCode: EPA Method 8270C: Semivolatiles							
Client ID:	Batch ID: 30932		RunNo: 41712							
Prep Date: 3/28/2017	Analysis Date: 3/28/2017		SeqNo: 1309158		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	63	10	100.0	0	63.5	42.9	100			
4-Chloro-3-methylphenol	130	10	200.0	0	65.0	36.2	110			
2-Chlorophenol	120	10	200.0	0	58.2	33.4	97.8			
1,4-Dichlorobenzene	42	10	100.0	0	42.0	32.8	79.3			
2,4-Dinitrotoluene	54	10	100.0	0	54.1	34.9	107			
N-Nitrosodi-n-propylamine	68	10	100.0	0	67.9	30.7	111			
4-Nitrophenol	60	10	200.0	0	30.2	15	91.9			
Pentachlorophenol	100	20	200.0	0	50.1	33.3	93.5			
Phenol	67	10	200.0	0	33.6	20.9	86.4			
Pyrene	65	10	100.0	0	64.7	45.6	111			
1,2,4-Trichlorobenzene	46	10	100.0	0	46.3	38.7	88.2			
Surr: 2-Fluorophenol	89		200.0		44.5	15	98.1			
Surr: Phenol-d5	65		200.0		32.4	15	80.7			
Surr: 2,4,6-Tribromophenol	140		200.0		67.9	15	112			
Surr: Nitrobenzene-d5	60		100.0		59.7	27.2	90.7			
Surr: 2-Fluorobiphenyl	62		100.0		61.5	23.3	85.6			
Surr: 4-Terphenyl-d14	59		100.0		59.0	27.6	107			

Sample ID	SampType: LCSD		TestCode: EPA Method 8270C: Semivolatiles							
Client ID: LCSS02	Batch ID: 30932		RunNo: 41712							
Prep Date: 3/28/2017	Analysis Date: 3/28/2017		SeqNo: 1309159		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	74	10	100.0	0	73.6	42.9	100	14.8	37.4	
4-Chloro-3-methylphenol	160	10	200.0	0	81.7	36.2	110	22.8	26.8	
2-Chlorophenol	160	10	200.0	0	78.4	33.4	97.8	29.6	30.3	
1,4-Dichlorobenzene	50	10	100.0	0	50.5	32.8	79.3	18.4	32	
2,4-Dinitrotoluene	68	10	100.0	0	67.6	34.9	107	22.3	36.7	
N-Nitrosodi-n-propylamine	80	10	100.0	0	80.3	30.7	111	16.7	29.9	
4-Nitrophenol	81	10	200.0	0	40.6	15	91.9	29.3	28.8	R
Pentachlorophenol	120	20	200.0	0	60.8	33.3	93.5	19.2	38.2	
Phenol	89	10	200.0	0	44.7	20.9	86.4	28.4	39.8	
Pyrene	79	10	100.0	0	78.7	45.6	111	19.5	28.3	
1,2,4-Trichlorobenzene	54	10	100.0	0	54.2	38.7	88.2	15.7	39.8	
Surr: 2-Fluorophenol	110		200.0		57.1	15	98.1	0	0	
Surr: Phenol-d5	85		200.0		42.4	15	80.7	0	0	
Surr: 2,4,6-Tribromophenol	160		200.0		81.0	15	112	0	0	
Surr: Nitrobenzene-d5	80		100.0		79.8	27.2	90.7	0	0	
Surr: 2-Fluorobiphenyl	69		100.0		69.0	23.3	85.6	0	0	

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#: 1703D13

29-Mar-17

Client: D & H Petroleum & Environmental

Project: Cimarron River/Eagles Nest

Sample ID	icsd-30932	SampType:	LCSD	TestCode:	EPA Method 8270C: Semivolatiles					
Client ID:	LCSS02	Batch ID:	30932	RunNo:	41712					
Prep Date:	3/28/2017	Analysis Date:	3/28/2017	SeqNo:	1309159	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Terphenyl-d14	71		100.0		71.4	27.6	107	0	0	

Sample ID	mb-30932	SampType:	MBLK	TestCode:	EPA Method 8270C: Semivolatiles					
Client ID:	PBW	Batch ID:	30932	RunNo:	41712					
Prep Date:	3/28/2017	Analysis Date:	3/28/2017	SeqNo:	1309160	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Acenaphthene	ND	10								
Acenaphthylene	ND	10								
Aniline	ND	10								
Anthracene	ND	10								
Azobenzene	ND	10								
Benz(a)anthracene	ND	10								
Benzo(a)pyrene	ND	10								
Benzo(b)fluoranthene	ND	10								
Benzo(g,h,i)perylene	ND	10								
Benzo(k)fluoranthene	ND	10								
Benzoic acid	ND	20								
Benzyl alcohol	ND	10								
Bis(2-chloroethoxy)methane	ND	10								
Bis(2-chloroethyl)ether	ND	10								
Bis(2-chloroisopropyl)ether	ND	10								
Bis(2-ethylhexyl)phthalate	ND	10								
4-Bromophenyl phenyl ether	ND	10								
Butyl benzyl phthalate	ND	10								
Carbazole	ND	10								
4-Chloro-3-methylphenol	ND	10								
4-Chloroaniline	ND	10								
2-Chloronaphthalene	ND	10								
2-Chlorophenol	ND	10								
4-Chlorophenyl phenyl ether	ND	10								
Chrysene	ND	10								
Di-n-butyl phthalate	ND	10								
Di-n-octyl phthalate	ND	10								
Dibenz(a,h)anthracene	ND	10								
Dibenzofuran	ND	10								
1,2-Dichlorobenzene	ND	10								
1,3-Dichlorobenzene	ND	10								
1,4-Dichlorobenzene	ND	10								

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#: 1703D13

29-Mar-17

Client: D & H Petroleum & Environmental

Project: Cimarron River/Eagles Nest

Sample ID	mb-30932	SampType:	MBLK	TestCode:	EPA Method 8270C: Semivolatiles					
Client ID:	PBW	Batch ID:	30932	RunNo:	41712					
Prep Date:	3/28/2017	Analysis Date:	3/28/2017	SeqNo:	1309160	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	ND	10								
Diethyl phthalate	ND	10								
Dimethyl phthalate	ND	10								
2,4-Dichlorophenol	ND	20								
2,4-Dimethylphenol	ND	10								
4,6-Dinitro-2-methylphenol	ND	20								
2,4-Dinitrophenol	ND	20								
2,4-Dinitrotoluene	ND	10								
2,6-Dinitrotoluene	ND	10								
Fluoranthene	ND	10								
Fluorene	ND	10								
Hexachlorobenzene	ND	10								
Hexachlorobutadiene	ND	10								
Hexachlorocyclopentadiene	ND	10								
Hexachloroethane	ND	10								
Indeno(1,2,3-cd)pyrene	ND	10								
Isophorone	ND	10								
1-Methylnaphthalene	ND	10								
2-Methylnaphthalene	ND	10								
2-Methylphenol	ND	10								
3+4-Methylphenol	ND	10								
N-Nitrosodi-n-propylamine	ND	10								
N-Nitrosodimethylamine	ND	10								
N-Nitrosodiphenylamine	ND	10								
Naphthalene	ND	10								
2-Nitroaniline	ND	10								
3-Nitroaniline	ND	10								
4-Nitroaniline	ND	10								
Nitrobenzene	ND	10								
2-Nitrophenol	ND	10								
4-Nitrophenol	ND	10								
Pentachlorophenol	ND	20								
Phenanthrene	ND	10								
Phenol	ND	10								
Pyrene	ND	10								
Pyridine	ND	10								
1,2,4-Trichlorobenzene	ND	10								
2,4,5-Trichlorophenol	ND	10								
2,4,6-Trichlorophenol	ND	10								

Qualifiers:

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1703D13

29-Mar-17

Client: D & H Petroleum & Environmental

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Sample ID	mb-30932	SampType:	MBLK	TestCode:	EPA Method 8270C: Semivolatiles					
Client ID:	PBW	Batch ID:	30932	RunNo:	41712					
Prep Date:	3/28/2017	Analysis Date:	3/28/2017	SeqNo:	1309160	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 2-Fluorophenol	110		200.0		52.8	15	98.1			
Surr: Phenol-d5	73		200.0		36.6	15	80.7			
Surr: 2,4,6-Tribromophenol	140		200.0		70.0	15	112			
Surr: Nitrobenzene-d5	72		100.0		72.4	27.2	90.7			
Surr: 2-Fluorobiphenyl	65		100.0		65.3	23.3	85.6			
Surr: 4-Terphenyl-d14	64		100.0		63.5	27.6	107			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
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| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
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Sample Log-In Check List

Client Name: DH Petro ALBUQUERQU

Work Order Number: 1703D13

RcptNo: 1

Received by/date: LM 03/25/17

Logged By: Anne Thorne 3/25/2017 8:38:00 AM *Anne Thorne*

Completed By: Anne Thorne 3/27/2017 11:08:28 AM *Anne Thorne*

Reviewed By: AT 03/27/17

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?

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
- 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: PLV SM Sample #1 @ 1453 IS River Bank Area

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Yes			<i>AT 03/27/17</i>

Chain-of-Custody Record

Client: D & H United Fueling Solutions
 Mailing Address: 4400 Anthon Ave, N.E.
Albuquerque, NM 87113
 Phone #: (505) 342-2024
 email or Fax#: r.gilidon@d-h-united.com or -
QA/QC Package: r.guilillon@d-h-united.com

Standard Level 4 (Full Validation)
 Accreditation
 NELAP Other _____
 EDD (Type) _____

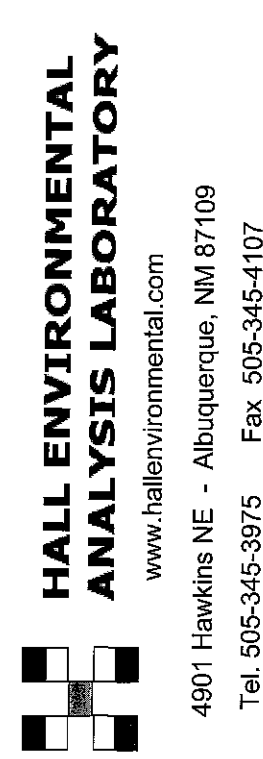
Date	Time	Matrix	Sample Request ID
3/28/17	2:53 am	Water	K0212117 River Bank Area
3/28/17	3:04 am	Water	Sample ① Below Beaver Dam Sample ② River Bank Area Below Beaver Dam

Turn-Around Time:
 Standard Rush ASAP
 Project Name: Cimarron River
Eagles Nest
 Project #:

Project Manager: Roschillo
Guillen
 Sampler: Steve
 On Ice: Yes No
 Sample Temperature: _____

Container Type and #	Preservative Type	HEAL No.
4 Glass	HCL/NONE	201
4 Glass	HCL/NONE	202

Received by: _____ Date: 3/25/17 Time: 0838
 Relinquished by: _____ Date: _____ Time: _____



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

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)
									X	X	
									X	X	

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.



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

March 30, 2017

Rosalio Guillen
D & H Petroleum & Environmental
PO Box 92407
Albuquerque, NM 87199
TEL: (505) 342-2024
FAX (505) 342-2109

RE: Eagle Nest/Cimarron River

OrderNo.: 1703D14

Dear Rosalio Guillen:

Hall Environmental Analysis Laboratory received 6 sample(s) on 3/27/2017 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', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Area #1

Project: Eagle Nest/Cimarron River

Collection Date: 3/26/2017 3:15:00 PM

Lab ID: 1703D14-001

Matrix: SOIL

Received Date: 3/27/2017 9:58:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/28/2017 11:27:10 AM	30918
Surr: BFB	95.0	70-130		%Rec	1	3/28/2017 11:27:10 AM	30918
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	88	9.2		mg/Kg	1	3/28/2017 9:14:37 AM	30908
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/28/2017 9:14:37 AM	30908
Surr: DNOP	110	70-130		%Rec	1	3/28/2017 9:14:37 AM	30908
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	3/28/2017 11:27:10 AM	30918
Toluene	ND	0.048		mg/Kg	1	3/28/2017 11:27:10 AM	30918
Ethylbenzene	ND	0.048		mg/Kg	1	3/28/2017 11:27:10 AM	30918
Xylenes, Total	ND	0.096		mg/Kg	1	3/28/2017 11:27:10 AM	30918
Surr: 1,2-Dichloroethane-d4	113	70-130		%Rec	1	3/28/2017 11:27:10 AM	30918
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	3/28/2017 11:27:10 AM	30918
Surr: Dibromofluoromethane	116	70-130		%Rec	1	3/28/2017 11:27:10 AM	30918
Surr: Toluene-d8	101	70-130		%Rec	1	3/28/2017 11:27:10 AM	30918

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:** D & H Petroleum & Environmental**Client Sample ID:** Area #2**Project:** Eagle Nest/Cimarron River**Collection Date:** 3/26/2017 4:00:00 PM**Lab ID:** 1703D14-002**Matrix:** SOIL**Received Date:** 3/27/2017 9:58:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/28/2017 11:56:03 AM	30918
Surr: BFB	90.2	70-130		%Rec	1	3/28/2017 11:56:03 AM	30918
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	19	9.3		mg/Kg	1	3/28/2017 9:38:52 AM	30908
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/28/2017 9:38:52 AM	30908
Surr: DNOP	94.1	70-130		%Rec	1	3/28/2017 9:38:52 AM	30908
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	3/28/2017 11:56:03 AM	30918
Toluene	ND	0.048		mg/Kg	1	3/28/2017 11:56:03 AM	30918
Ethylbenzene	ND	0.048		mg/Kg	1	3/28/2017 11:56:03 AM	30918
Xylenes, Total	ND	0.095		mg/Kg	1	3/28/2017 11:56:03 AM	30918
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	1	3/28/2017 11:56:03 AM	30918
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	3/28/2017 11:56:03 AM	30918
Surr: Dibromofluoromethane	117	70-130		%Rec	1	3/28/2017 11:56:03 AM	30918
Surr: Toluene-d8	95.1	70-130		%Rec	1	3/28/2017 11:56:03 AM	30918

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: D & H Petroleum & Environmental

Client Sample ID: Area #3

Project: Eagle Nest/Cimarron River

Collection Date: 3/26/2017 4:30:00 PM

Lab ID: 1703D14-003

Matrix: SOIL

Received Date: 3/27/2017 9:58:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	5.7	4.7		mg/Kg	1	3/28/2017 12:24:56 PM	30918
Surr: BFB	96.1	70-130		%Rec	1	3/28/2017 12:24:56 PM	30918
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	800	9.1		mg/Kg	1	3/28/2017 10:03:19 AM	30908
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	3/28/2017 10:03:19 AM	30908
Surr: DNOP	93.5	70-130		%Rec	1	3/28/2017 10:03:19 AM	30908
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	3/28/2017 12:24:56 PM	30918
Toluene	ND	0.047		mg/Kg	1	3/28/2017 12:24:56 PM	30918
Ethylbenzene	ND	0.047		mg/Kg	1	3/28/2017 12:24:56 PM	30918
Xylenes, Total	ND	0.094		mg/Kg	1	3/28/2017 12:24:56 PM	30918
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	1	3/28/2017 12:24:56 PM	30918
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	3/28/2017 12:24:56 PM	30918
Surr: Dibromofluoromethane	117	70-130		%Rec	1	3/28/2017 12:24:56 PM	30918
Surr: Toluene-d8	97.5	70-130		%Rec	1	3/28/2017 12:24:56 PM	30918

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 1703D14

Date Reported: 3/30/2017

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Area #4-1

Project: Eagle Nest/Cimarron River

Collection Date: 3/26/2017 5:11:00 PM

Lab ID: 1703D14-004

Matrix: SOIL

Received Date: 3/27/2017 9:58:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/28/2017 12:53:58 PM	30918
Surr: BFB	91.7	70-130		%Rec	1	3/28/2017 12:53:58 PM	30918
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/28/2017 10:27:34 AM	30908
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/28/2017 10:27:34 AM	30908
Surr: DNOP	96.9	70-130		%Rec	1	3/28/2017 10:27:34 AM	30908
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	3/28/2017 12:53:58 PM	30918
Toluene	ND	0.048		mg/Kg	1	3/28/2017 12:53:58 PM	30918
Ethylbenzene	ND	0.048		mg/Kg	1	3/28/2017 12:53:58 PM	30918
Xylenes, Total	ND	0.096		mg/Kg	1	3/28/2017 12:53:58 PM	30918
Surr: 1,2-Dichloroethane-d4	112	70-130		%Rec	1	3/28/2017 12:53:58 PM	30918
Surr: 4-Bromofluorobenzene	84.7	70-130		%Rec	1	3/28/2017 12:53:58 PM	30918
Surr: Dibromofluoromethane	115	70-130		%Rec	1	3/28/2017 12:53:58 PM	30918
Surr: Toluene-d8	95.7	70-130		%Rec	1	3/28/2017 12:53:58 PM	30918

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 1703D14

Date Reported: 3/30/2017

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Area #4-2

Project: Eagle Nest/Cimarron River

Collection Date: 3/26/2017 5:17:00 PM

Lab ID: 1703D14-005

Matrix: SOIL

Received Date: 3/27/2017 9:58:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/28/2017 1:23:05 PM	30918
Surr: BFB	94.7	70-130		%Rec	1	3/28/2017 1:23:05 PM	30918
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	550	9.9		mg/Kg	1	3/28/2017 10:51:56 AM	30908
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/28/2017 10:51:56 AM	30908
Surr: DNOP	97.3	70-130		%Rec	1	3/28/2017 10:51:56 AM	30908
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	3/28/2017 1:23:05 PM	30918
Toluene	ND	0.046		mg/Kg	1	3/28/2017 1:23:05 PM	30918
Ethylbenzene	ND	0.046		mg/Kg	1	3/28/2017 1:23:05 PM	30918
Xylenes, Total	ND	0.092		mg/Kg	1	3/28/2017 1:23:05 PM	30918
Surr: 1,2-Dichloroethane-d4	110	70-130		%Rec	1	3/28/2017 1:23:05 PM	30918
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	3/28/2017 1:23:05 PM	30918
Surr: Dibromofluoromethane	115	70-130		%Rec	1	3/28/2017 1:23:05 PM	30918
Surr: Toluene-d8	97.4	70-130		%Rec	1	3/28/2017 1:23:05 PM	30918

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 1703D14

Date Reported: 3/30/2017

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Area #5

Project: Eagle Nest/Cimarron River

Collection Date: 3/26/2017 6:37:00 PM

Lab ID: 1703D14-006

Matrix: SOIL

Received Date: 3/27/2017 9:58:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/28/2017 1:51:50 PM	30918
Surr: BFB	91.1	70-130		%Rec	1	3/28/2017 1:51:50 PM	30918
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	3/28/2017 11:16:11 AM	30908
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/28/2017 11:16:11 AM	30908
Surr: DNOP	94.8	70-130		%Rec	1	3/28/2017 11:16:11 AM	30908
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	3/28/2017 1:51:50 PM	30918
Toluene	ND	0.047		mg/Kg	1	3/28/2017 1:51:50 PM	30918
Ethylbenzene	ND	0.047		mg/Kg	1	3/28/2017 1:51:50 PM	30918
Xylenes, Total	ND	0.095		mg/Kg	1	3/28/2017 1:51:50 PM	30918
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	1	3/28/2017 1:51:50 PM	30918
Surr: 4-Bromofluorobenzene	86.7	70-130		%Rec	1	3/28/2017 1:51:50 PM	30918
Surr: Dibromofluoromethane	120	70-130		%Rec	1	3/28/2017 1:51:50 PM	30918
Surr: Toluene-d8	96.9	70-130		%Rec	1	3/28/2017 1:51:50 PM	30918

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#: 1703D14

30-Mar-17

Client: D & H Petroleum & Environmental

Project: Eagle Nest/Cimarron River

Sample ID	LCS-30908	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	30908	RunNo:	41689					
Prep Date:	3/27/2017	Analysis Date:	3/28/2017	SeqNo:	1307961	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.1	63.8	116			
Surr: DNOP	4.2		5.000		83.0	70	130			

Sample ID	MB-30908	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	30908	RunNo:	41689					
Prep Date:	3/27/2017	Analysis Date:	3/28/2017	SeqNo:	1307962	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	9.1		10.00		90.9	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#: 1703D14

30-Mar-17

Client: D & H Petroleum & Environmental

Project: Eagle Nest/Cimarron River

Sample ID mb-30945	SampType: MBLK		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: PBS	Batch ID: 30945		RunNo: 41730							
Prep Date: 3/28/2017	Analysis Date: 3/29/2017		SeqNo: 1310415		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.54		0.5000		108	70	130			
Surr: 4-Bromofluorobenzene	0.43		0.5000		85.2	70	130			
Surr: Dibromofluoromethane	0.55		0.5000		110	70	130			
Surr: Toluene-d8	0.49		0.5000		97.2	70	130			

Sample ID ics-30945	SampType: LCS		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: LCSS	Batch ID: 30945		RunNo: 41730							
Prep Date: 3/28/2017	Analysis Date: 3/29/2017		SeqNo: 1310416		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.57		0.5000		113	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.4	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130			
Surr: Toluene-d8	0.48		0.5000		95.1	70	130			

Sample ID mb-30918	SampType: MBLK		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: PBS	Batch ID: 30918		RunNo: 41730							
Prep Date: 3/27/2017	Analysis Date: 3/29/2017		SeqNo: 1310430		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: 1,2-Dichloroethane-d4	0.55		0.5000		110	70	130			
Surr: 4-Bromofluorobenzene	0.43		0.5000		86.2	70	130			
Surr: Dibromofluoromethane	0.57		0.5000		114	70	130			
Surr: Toluene-d8	0.47		0.5000		94.7	70	130			

Sample ID ics-30918	SampType: LCS		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: LCSS	Batch ID: 30918		RunNo: 41730							
Prep Date: 3/27/2017	Analysis Date: 3/29/2017		SeqNo: 1310431		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.3	0.025	1.000	0	128	70	130			
Toluene	1.1	0.050	1.000	0	105	70	130			
Surr: 1,2-Dichloroethane-d4	0.57		0.5000		115	70	130			
Surr: 4-Bromofluorobenzene	0.44		0.5000		88.8	70	130			
Surr: Dibromofluoromethane	0.56		0.5000		112	70	130			
Surr: Toluene-d8	0.47		0.5000		93.2	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#: 1703D14

30-Mar-17

Client: D & H Petroleum & Environmental

Project: Eagle Nest/Cimarron River

Sample ID	1703d14-001ams	SampType:	MS	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	Area #1	Batch ID:	30918	RunNo:	41730					
Prep Date:	3/27/2017	Analysis Date:	3/29/2017	SeqNo:	1310432	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.3	0.025	0.9852	0	136	61.9	146			
Toluene	1.1	0.049	0.9852	0.005394	115	70	130			
Surr: 1,2-Dichloroethane-d4	0.56		0.4926		113	70	130			
Surr: 4-Bromofluorobenzene	0.42		0.4926		84.6	70	130			
Surr: Dibromofluoromethane	0.55		0.4926		112	70	130			
Surr: Toluene-d8	0.48		0.4926		98.4	70	130			

Sample ID	1703d14-001amsd	SampType:	MSD	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	Area #1	Batch ID:	30918	RunNo:	41730					
Prep Date:	3/27/2017	Analysis Date:	3/29/2017	SeqNo:	1310433	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.3	0.024	0.9634	0	137	61.9	146	1.79	20	
Toluene	1.1	0.048	0.9634	0.005394	115	70	130	2.36	20	
Surr: 1,2-Dichloroethane-d4	0.52		0.4817		108	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.43		0.4817		88.9	70	130	0	0	
Surr: Dibromofluoromethane	0.52		0.4817		108	70	130	0	0	
Surr: Toluene-d8	0.46		0.4817		94.5	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#: 1703D14

30-Mar-17

Client: D & H Petroleum & Environmental

Project: Eagle Nest/Cimarron River

Sample ID	mb-30918	SampType:	MBLK	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	PBS	Batch ID:	30918	RunNo:	41730					
Prep Date:	3/27/2017	Analysis Date:	3/29/2017	SeqNo:	1310441	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	460		500.0		91.8	70	130			

Sample ID	ics-30918	SampType:	LCS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	LCSS	Batch ID:	30918	RunNo:	41730					
Prep Date:	3/27/2017	Analysis Date:	3/29/2017	SeqNo:	1310442	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	70	130			
Surr: BFB	470		500.0		93.7	70	130			

Sample ID	1703d14-002ams	SampType:	MS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	Area #2	Batch ID:	30918	RunNo:	41730					
Prep Date:	3/27/2017	Analysis Date:	3/29/2017	SeqNo:	1310450	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	24.90	0	108	63.2	128			
Surr: BFB	480		498.0		97.1	70	130			

Sample ID	1703d14-002amsd	SampType:	MSD	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	Area #2	Batch ID:	30918	RunNo:	41730					
Prep Date:	3/27/2017	Analysis Date:	3/29/2017	SeqNo:	1310460	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	4.9	24.63	0	120	63.2	128	9.25	20	
Surr: BFB	460		492.6		94.3	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 |

Sample Log-In Check List

Client Name: DH Petro ALBUQUERQU

Work Order Number: 1703D14

RcptNo: 1

Received by/date: AT 03/27/17

Logged By: **Anne Thorne** 3/27/2017 9:58:00 AM *Anne Thorne*

Completed By: **Anne Thorne** 3/27/2017 11:15:48 AM *Anne Thorne*

Reviewed By: AT 03/27/17

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? Client

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
- 12. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
- 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? Yes No
(If no, notify customer for authorization.)

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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.9	Good	Not Present			

Chain-of-Custody Record

Client: D&H United Fueling Solutions
 Mailing Address: 4400 Annheim Ave N.E. Albuquerque, NM
 Phone #: (505) 342-2024
 email or Fax#: rguilten@d-h-united.com
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation
 NELAP Other
 EDD (Type)

Turn-Around Time:
 Standard Rush 24 Hours
 Project Name: Eagle Nest / Cimarron River
 Project #:
 Project Manager: Rosalio Guillen

Sampler: Steve
 On Ice: Yes No
 Sample Temperature: 9

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
3/26/17	3:15p	Soil	Area #1	402 Jar	ICE	703D14
	4:00pm	Soil	Area #2	402 Jar		702
	4:30pm	Soil	Area #3	402 Jar		703
	5:11pm	Soil	Area #4	402 Jar		702
	5:17pm	Soil	Area #4	402 Jar		705
	6:37pm	Soil	Area #5	402 Jar		-006

Date: 3/27/17 Time: 9:58am
 Relinquished by: [Signature]
 Date: 3/27/17 Time: 0958
 Received by: [Signature]
 Date: 3/27/17 Time: 0958



HALL ENVIRONMENTAL ANALYSIS LABORATORY

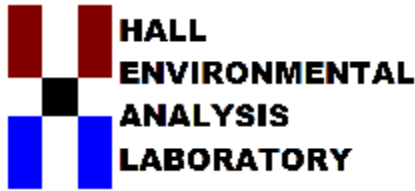
www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

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)	BTEX EPA Method 8260	Air Bubbles (Y or N)
		X	X								X	
		X	X								X	
		X	X								X	
		X	X								X	
		X	X								X	

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.



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

March 31, 2017

Rosalio Guillen

D & H Petroleum & Environmental
PO Box 92407

Albuquerque, NM 87199

TEL: (505) 342-2024

FAX (505) 342-2109

RE: Eagle Nest /Cimarron River

OrderNo.: 1703E06

Dear Rosalio Guillen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/29/2017 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', is written over a white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Area #3 Sample

Project: Eagle Nest /Cimarron River

Collection Date: 3/28/2017 4:00:00 PM

Lab ID: 1703E06-003

Matrix: SOIL

Received Date: 3/29/2017 8:13:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	220	9.9		mg/Kg	1	3/30/2017 10:20:20 AM	30959
Motor Oil Range Organics (MRO)	61	50		mg/Kg	1	3/30/2017 10:20:20 AM	30959
Surr: DNOP	117	70-130		%Rec	1	3/30/2017 10:20:20 AM	30959
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/30/2017 10:55:15 AM	30956
Surr: BFB	75.4	54-150		%Rec	1	3/30/2017 10:55:15 AM	30956
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	3/30/2017 10:55:15 AM	30956
Benzene	ND	0.025		mg/Kg	1	3/30/2017 10:55:15 AM	30956
Toluene	ND	0.050		mg/Kg	1	3/30/2017 10:55:15 AM	30956
Ethylbenzene	ND	0.050		mg/Kg	1	3/30/2017 10:55:15 AM	30956
Xylenes, Total	ND	0.10		mg/Kg	1	3/30/2017 10:55:15 AM	30956
Surr: 4-Bromofluorobenzene	85.2	66.6-132		%Rec	1	3/30/2017 10:55:15 AM	30956

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 1703E06

Date Reported: 3/31/2017

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Area #4 Sample

Project: Eagle Nest /Cimarron River

Collection Date: 3/28/2017 4:20:00 PM

Lab ID: 1703E06-004

Matrix: SOIL

Received Date: 3/29/2017 8:13:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	45	10		mg/Kg	1	3/30/2017 10:42:21 AM	30959
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/30/2017 10:42:21 AM	30959
Surr: DNOP	113	70-130		%Rec	1	3/30/2017 10:42:21 AM	30959
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/30/2017 11:21:35 AM	30956
Surr: BFB	73.2	54-150		%Rec	1	3/30/2017 11:21:35 AM	30956
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	3/30/2017 11:21:35 AM	30956
Benzene	ND	0.025		mg/Kg	1	3/30/2017 11:21:35 AM	30956
Toluene	ND	0.050		mg/Kg	1	3/30/2017 11:21:35 AM	30956
Ethylbenzene	ND	0.050		mg/Kg	1	3/30/2017 11:21:35 AM	30956
Xylenes, Total	ND	0.10		mg/Kg	1	3/30/2017 11:21:35 AM	30956
Surr: 4-Bromofluorobenzene	83.3	66.6-132		%Rec	1	3/30/2017 11:21:35 AM	30956

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#: 1703E06

31-Mar-17

Client: D & H Petroleum & Environmental
Project: Eagle Nest /Cimarron River

Sample ID LCS-30959	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 30959		RunNo: 41755							
Prep Date: 3/29/2017	Analysis Date: 3/30/2017		SeqNo: 1310572		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	100	63.8	116			
Surr: DNOP	5.0		5.000		101	70	130			

Sample ID MB-30959	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 30959		RunNo: 41755							
Prep Date: 3/29/2017	Analysis Date: 3/30/2017		SeqNo: 1310575		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		104	70	130			

Sample ID LCS-30969	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 30969		RunNo: 41755							
Prep Date: 3/29/2017	Analysis Date: 3/30/2017		SeqNo: 1311683		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.2		5.000		104	70	130			

Sample ID MB-30969	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 30969		RunNo: 41755							
Prep Date: 3/29/2017	Analysis Date: 3/30/2017		SeqNo: 1311684		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		101	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#: 1703E06

31-Mar-17

Client: D & H Petroleum & Environmental

Project: Eagle Nest /Cimarron River

Sample ID MB-30956	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 30956		RunNo: 41768							
Prep Date: 3/29/2017	Analysis Date: 3/30/2017		SeqNo: 1311406		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	780		1000		78.0	54	150			

Sample ID LCS-30956	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 30956		RunNo: 41768							
Prep Date: 3/29/2017	Analysis Date: 3/30/2017		SeqNo: 1311407		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	76.4	125			
Surr: BFB	830		1000		83.2	54	150			

Sample ID 1703E06-004AMS	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: Area #4 Sample	Batch ID: 30956		RunNo: 41768							
Prep Date: 3/29/2017	Analysis Date: 3/30/2017		SeqNo: 1311408		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.6	23.15	0	123	61.3	150			
Surr: BFB	930		925.9		100	54	150			

Sample ID 1703E06-004AMSD	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: Area #4 Sample	Batch ID: 30956		RunNo: 41768							
Prep Date: 3/29/2017	Analysis Date: 3/30/2017		SeqNo: 1311409		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	4.7	23.58	0	123	61.3	150	2.00	20	
Surr: BFB	920		943.4		98.0	54	150	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#: 1703E06

31-Mar-17

Client: D & H Petroleum & Environmental

Project: Eagle Nest /Cimarron River

Sample ID MB-30956	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 30956		RunNo: 41768							
Prep Date: 3/29/2017	Analysis Date: 3/30/2017		SeqNo: 1311441		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	0.88		1.000		87.7	66.6	132			

Sample ID LCS-30956	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 30956		RunNo: 41768							
Prep Date: 3/29/2017	Analysis Date: 3/30/2017		SeqNo: 1311442		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.86	0.10	1.000	0	86.3	66.5	120			
Benzene	0.99	0.025	1.000	0	99.2	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.2	0.10	3.000	0	106	80	120			
Surr: 4-Bromofluorobenzene	0.84		1.000		84.4	66.6	132			

Sample ID 1703E06-003AMS	SampType: MS		TestCode: EPA Method 8021B: Volatiles							
Client ID: Area #3 Sample	Batch ID: 30956		RunNo: 41768							
Prep Date: 3/29/2017	Analysis Date: 3/30/2017		SeqNo: 1311454		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.86	0.095	0.9524	0	89.9	42.5	143			
Benzene	0.99	0.024	0.9524	0	103	61.5	138			
Toluene	1.0	0.048	0.9524	0.005900	106	71.4	127			
Ethylbenzene	1.0	0.048	0.9524	0	109	70.9	132			
Xylenes, Total	3.2	0.095	2.857	0	113	76.2	123			
Surr: 4-Bromofluorobenzene	0.85		0.9524		89.0	66.6	132			

Sample ID 1703E06-003AMSD	SampType: MSD		TestCode: EPA Method 8021B: Volatiles							
Client ID: Area #3 Sample	Batch ID: 30956		RunNo: 41768							
Prep Date: 3/29/2017	Analysis Date: 3/30/2017		SeqNo: 1311455		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.83	0.096	0.9569	0	86.3	42.5	143	3.60	20	
Benzene	0.97	0.024	0.9569	0	102	61.5	138	1.25	20	
Toluene	1.0	0.048	0.9569	0.005900	104	71.4	127	1.51	20	
Ethylbenzene	1.0	0.048	0.9569	0	107	70.9	132	1.89	20	

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#: 1703E06

31-Mar-17

Client: D & H Petroleum & Environmental

Project: Eagle Nest /Cimarron River

Sample ID	1703E06-003AMSD	SampType:	MSD	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	Area #3 Sample	Batch ID:	30956	RunNo:	41768					
Prep Date:	3/29/2017	Analysis Date:	3/30/2017	SeqNo:	1311455	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	3.2	0.096	2.871	0	111	76.2	123	0.982	20	
Surr: 4-Bromofluorobenzene	0.89		0.9569		93.2	66.6	132	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: DH Petro ALBUQUERQU

Work Order Number: 1703E06

RcptNo: 1

Received by/date: [Signature] 03/29/17

Logged By: Lindsay Mangin 3/29/2017 8:13:00 AM [Signature]

Completed By: Lindsay Mangin 3/29/2017 8:22:44 AM [Signature]

Reviewed By: SRR 03/29/17

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? Client

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
- 12. Does paperwork match bottle labels? Yes No # of preserved bottles checked for pH: _____
(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:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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	2.1	Good	Not Present			

Chain-of-Custody Record

Client: D&H United Fueling Solutions
 Mailing Address: 4400 Anshern Ave, NE, Albuquerque, NM
 Phone #: 505-253-7373
 email or Fax#: rosalio.guillen@d-h-united.com
 QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: NELAP Other _____
 EDD (Type) _____

Turn-Around Time: 24 hours
 Standard Rush
 Project Name: Eagle Nest / Cimarron River
 Project #:

Project Manager: Rosalio Guillen
 Sampler: _____
 On Ice: Yes No
 Sample Temperature: 74

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
3/28/17	3:33pm	Soil	Area #1 Sample	402 Jar	Ice	-001
3/28/17	3:59pm	Soil	Area #2 Sample	402 Jar	Ice	-002
3/28/17	4:00pm	Soil	Area #3 Sample	402 Jar	Ice	-003
3/28/17	4:20pm	Soil	Area #4 Sample	402 Jar	Ice	-004

Date: 3/29/17 Time: 8:30am
 Date: 03/29/17 Time: 08:13
 Requisitioned by: [Signature]
 Requisitioned by: [Signature]
 Received by: [Signature] Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____



www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX + MTBE + TPH (Gas only)	X
BTEX + MTBE + TPH (Method 504.1)	X
TPH (Method 418.1)	X
TPH (Method 8015B (GFO, DRFO, MRO))	X
PAH's (8310 or 8270 SIMS)	
RCRA 8 Metals	
Anions (F, Cl, NO ₂ , NO ₃ , PO ₄ , SO ₄)	
8081 Pesticides / 8082 PCB's	
8260B (VOA)	
8270 (Semi-VOA)	
Air Bubbles (Y or N)	

Remarks: Penstee Canal Area 132 / A 13/2017

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



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

April 04, 2017

Rosalio Guillen

D & H Petroleum & Environmental

PO Box 92407

Albuquerque, NM 87199

TEL: (505) 342-2024

FAX (505) 342-2109

RE: Eagle Nest

OrderNo.: 1703F45

Dear Rosalio Guillen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/31/2017 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', is written over a white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1703F45

Date Reported: 4/4/2017

CLIENT: D & H Petroleum & Environmental

Client Sample ID: Area #3

Project: Eagle Nest

Collection Date: 3/30/2017 3:30:00 PM

Lab ID: 1703F45-001

Matrix: SOIL

Received Date: 3/31/2017 9:30:00 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	3/31/2017 3:12:25 PM	31008
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/31/2017 3:12:25 PM	31008
Surr: DNOP	114	70-130		%Rec	1	3/31/2017 3:12:25 PM	31008
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/3/2017 11:30:38 AM	31013
Surr: BFB	72.9	54-150		%Rec	1	4/3/2017 11:30:38 AM	31013
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.095		mg/Kg	1	4/3/2017 11:30:38 AM	31013
Benzene	ND	0.024		mg/Kg	1	4/3/2017 11:30:38 AM	31013
Toluene	ND	0.048		mg/Kg	1	4/3/2017 11:30:38 AM	31013
Ethylbenzene	ND	0.048		mg/Kg	1	4/3/2017 11:30:38 AM	31013
Xylenes, Total	ND	0.095		mg/Kg	1	4/3/2017 11:30:38 AM	31013
Surr: 4-Bromofluorobenzene	83.4	66.6-132		%Rec	1	4/3/2017 11:30:38 AM	31013

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#: 1703F45

04-Apr-17

Client: D & H Petroleum & Environmental

Project: Eagle Nest

Sample ID LCS-31008	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 31008		RunNo: 41755							
Prep Date: 3/31/2017	Analysis Date: 3/31/2017		SeqNo: 1312226		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.7	63.8	116			
Surr: DNOP	4.9		5.000		98.7	70	130			

Sample ID MB-31008	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 31008		RunNo: 41755							
Prep Date: 3/31/2017	Analysis Date: 3/31/2017		SeqNo: 1312227		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	11		10.00		106	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#: 1703F45

04-Apr-17

Client: D & H Petroleum & Environmental

Project: Eagle Nest

Sample ID MB-31013	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 31013		RunNo: 41843							
Prep Date: 3/31/2017	Analysis Date: 4/3/2017		SeqNo: 1313891		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	790		1000		79.1	54	150			

Sample ID LCS-31013	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 31013		RunNo: 41843							
Prep Date: 3/31/2017	Analysis Date: 4/3/2017		SeqNo: 1313892		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	76.4	125			
Surr: BFB	820		1000		82.5	54	150			

Sample ID 1703F45-001AMS	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: Area #3	Batch ID: 31013		RunNo: 41843							
Prep Date: 3/31/2017	Analysis Date: 4/3/2017		SeqNo: 1313893		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.8	24.18	0	85.5	61.3	150			
Surr: BFB	840		967.1		87.1	54	150			

Sample ID 1703F45-001AMSD	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: Area #3	Batch ID: 31013		RunNo: 41843							
Prep Date: 3/31/2017	Analysis Date: 4/3/2017		SeqNo: 1313894		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.8	23.90	0	103	61.3	150	17.6	20	
Surr: BFB	850		956.0		88.8	54	150	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#: 1703F45

04-Apr-17

Client: D & H Petroleum & Environmental

Project: Eagle Nest

Sample ID: MB-31013	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 31013	RunNo: 41843								
Prep Date: 3/31/2017	Analysis Date: 4/3/2017	SeqNo: 1313925	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	0.91		1.000		91.0	66.6	132			

Sample ID: LCS-31013	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 31013	RunNo: 41843								
Prep Date: 3/31/2017	Analysis Date: 4/3/2017	SeqNo: 1313926	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.88	0.10	1.000	0	88.3	66.5	120			
Benzene	1.0	0.025	1.000	0	104	80	120			
Toluene	1.1	0.050	1.000	0	105	80	120			
Ethylbenzene	1.1	0.050	1.000	0	105	80	120			
Xylenes, Total	3.2	0.10	3.000	0	108	80	120			
Surr: 4-Bromofluorobenzene	0.75		1.000		75.4	66.6	132			

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 |

Sample Log-In Check List

Client Name: DH Petro ALBUQUERQU Work Order Number: 1703F45 RcptNo: 1

Received By: Lindsay Mangin 3/31/2017 9:30:00 AM *[Signature]*
 Completed By: Lindsay Mangin 3/31/2017 9:42:16 AM *[Signature]*
 Reviewed By: *[Signature]* 03/31/17

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? Client

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
- 12. Does paperwork match bottle labels? Yes No
- (Note discrepancies on chain of custody)
- 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? Yes No
- (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____ (<2 or >12 unless noted) Adjusted? _____ Checked by: _____
--

Special Handling (if applicable)

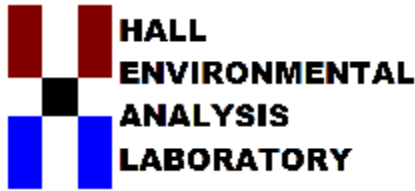
- 16. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:		Date:	
By Whom:		Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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	3.0	Good	Not Present			



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

April 13, 2017

Rosalio Guillen

D & H Petroleum & Environmental
PO Box 92407

Albuquerque, NM 87199

TEL: (505) 342-2024

FAX (505) 342-2109

RE: Eagle Nest/Cimarron River

OrderNo.: 1704321

Dear Rosalio Guillen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/8/2017 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', is written over a white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1704321

Date Reported: 4/13/2017

CLIENT: D & H Petroleum & Environmental

Client Sample ID: S.D. Diversion

Project: Eagle Nest/Cimarron River

Collection Date: 4/7/2017 11:30:00 AM

Lab ID: 1704321-001

Matrix: AQUEOUS

Received Date: 4/8/2017 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/11/2017 1:23:34 PM	A42040
Surr: BFB	95.2	70-130		%Rec	1	4/11/2017 1:23:34 PM	A42040
EPA METHOD 8015M/D: DIESEL RANGE							Analyst: MAB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/12/2017 10:53:30 AM	31196
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/12/2017 10:53:30 AM	31196
Surr: DNOP	112	72.4-157		%Rec	1	4/12/2017 10:53:30 AM	31196
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	1.0		µg/L	1	4/11/2017 1:23:34 PM	R42040
Toluene	ND	1.0		µg/L	1	4/11/2017 1:23:34 PM	R42040
Ethylbenzene	ND	1.0		µg/L	1	4/11/2017 1:23:34 PM	R42040
Xylenes, Total	ND	1.5		µg/L	1	4/11/2017 1:23:34 PM	R42040
Surr: 1,2-Dichloroethane-d4	83.0	70-130		%Rec	1	4/11/2017 1:23:34 PM	R42040
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	4/11/2017 1:23:34 PM	R42040
Surr: Dibromofluoromethane	95.1	70-130		%Rec	1	4/11/2017 1:23:34 PM	R42040
Surr: Toluene-d8	100	70-130		%Rec	1	4/11/2017 1:23:34 PM	R42040

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: D & H Petroleum & Environmental

Client Sample ID: Raton Diversion

Project: Eagle Nest/Cimarron River

Collection Date: 4/7/2017 12:14:00 PM

Lab ID: 1704321-002

Matrix: AQUEOUS

Received Date: 4/8/2017 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/11/2017 1:52:47 PM	A42040
Surr: BFB	96.3	70-130		%Rec	1	4/11/2017 1:52:47 PM	A42040
EPA METHOD 8015M/D: DIESEL RANGE							Analyst: MAB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/12/2017 11:21:52 AM	31196
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/12/2017 11:21:52 AM	31196
Surr: DNOP	114	72.4-157		%Rec	1	4/12/2017 11:21:52 AM	31196
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	1.0		µg/L	1	4/11/2017 1:52:47 PM	R42040
Toluene	ND	1.0		µg/L	1	4/11/2017 1:52:47 PM	R42040
Ethylbenzene	ND	1.0		µg/L	1	4/11/2017 1:52:47 PM	R42040
Xylenes, Total	ND	1.5		µg/L	1	4/11/2017 1:52:47 PM	R42040
Surr: 1,2-Dichloroethane-d4	85.4	70-130		%Rec	1	4/11/2017 1:52:47 PM	R42040
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	4/11/2017 1:52:47 PM	R42040
Surr: Dibromofluoromethane	97.2	70-130		%Rec	1	4/11/2017 1:52:47 PM	R42040
Surr: Toluene-d8	99.0	70-130		%Rec	1	4/11/2017 1:52:47 PM	R42040

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: D & H Petroleum & Environmental

Client Sample ID: Below Culvert

Project: Eagle Nest/Cimarron River

Collection Date: 4/7/2017 1:20:00 PM

Lab ID: 1704321-003

Matrix: AQUEOUS

Received Date: 4/8/2017 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/11/2017 2:21:56 PM	A42040
Surr: BFB	96.5	70-130		%Rec	1	4/11/2017 2:21:56 PM	A42040
EPA METHOD 8015M/D: DIESEL RANGE							Analyst: MAB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/12/2017 11:49:55 AM	31196
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/12/2017 11:49:55 AM	31196
Surr: DNOP	114	72.4-157		%Rec	1	4/12/2017 11:49:55 AM	31196
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	1.0		µg/L	1	4/11/2017 2:21:56 PM	R42040
Toluene	ND	1.0		µg/L	1	4/11/2017 2:21:56 PM	R42040
Ethylbenzene	ND	1.0		µg/L	1	4/11/2017 2:21:56 PM	R42040
Xylenes, Total	ND	1.5		µg/L	1	4/11/2017 2:21:56 PM	R42040
Surr: 1,2-Dichloroethane-d4	86.9	70-130		%Rec	1	4/11/2017 2:21:56 PM	R42040
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	4/11/2017 2:21:56 PM	R42040
Surr: Dibromofluoromethane	97.3	70-130		%Rec	1	4/11/2017 2:21:56 PM	R42040
Surr: Toluene-d8	99.9	70-130		%Rec	1	4/11/2017 2:21:56 PM	R42040

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: D & H Petroleum & Environmental

Client Sample ID: Below Beaver Dam

Project: Eagle Nest/Cimarron River

Collection Date: 4/7/2017 1:30:00 PM

Lab ID: 1704321-004

Matrix: AQUEOUS

Received Date: 4/8/2017 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/11/2017 12:25:16 PM	A42040
Surr: BFB	100	70-130		%Rec	1	4/11/2017 12:25:16 PM	A42040
EPA METHOD 8015M/D: DIESEL RANGE							Analyst: MAB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/12/2017 12:17:45 PM	31196
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/12/2017 12:17:45 PM	31196
Surr: DNOP	119	72.4-157		%Rec	1	4/12/2017 12:17:45 PM	31196
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	1.0		µg/L	1	4/11/2017 12:25:16 PM	R42040
Toluene	ND	1.0		µg/L	1	4/11/2017 12:25:16 PM	R42040
Ethylbenzene	ND	1.0		µg/L	1	4/11/2017 12:25:16 PM	R42040
Xylenes, Total	ND	1.5		µg/L	1	4/11/2017 12:25:16 PM	R42040
Surr: 1,2-Dichloroethane-d4	88.5	70-130		%Rec	1	4/11/2017 12:25:16 PM	R42040
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	1	4/11/2017 12:25:16 PM	R42040
Surr: Dibromofluoromethane	103	70-130		%Rec	1	4/11/2017 12:25:16 PM	R42040
Surr: Toluene-d8	96.9	70-130		%Rec	1	4/11/2017 12:25:16 PM	R42040

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#: 1704321

13-Apr-17

Client: D & H Petroleum & Environmental

Project: Eagle Nest/Cimarron River

Sample ID	LCS-31196	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range					
Client ID:	LCSW	Batch ID:	31196	RunNo:	42044					
Prep Date:	4/12/2017	Analysis Date:	4/12/2017	SeqNo:	1321150	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.4	1.0	5.000	0	109	82.8	146			
Surr: DNOP	0.53		0.5000		105	72.4	157			

Sample ID	MB-31196	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range					
Client ID:	PBW	Batch ID:	31196	RunNo:	42044					
Prep Date:	4/12/2017	Analysis Date:	4/12/2017	SeqNo:	1321151	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	1.0								
Motor Oil Range Organics (MRO)	ND	5.0								
Surr: DNOP	1.1		1.000		108	72.4	157			

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#: 1704321

13-Apr-17

Client: D & H Petroleum & Environmental

Project: Eagle Nest/Cimarron River

Sample ID rb	SampType: MBLK		TestCode: EPA Method 8260: Volatiles Short List							
Client ID: PBW	Batch ID: R42040		RunNo: 42040							
Prep Date:	Analysis Date: 4/11/2017		SeqNo: 1320599		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.4		10.00		93.9	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		111	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.8		10.00		97.6	70	130			

Sample ID 100ng lcs	SampType: LCS		TestCode: EPA Method 8260: Volatiles Short List							
Client ID: LCSW	Batch ID: R42040		RunNo: 42040							
Prep Date:	Analysis Date: 4/11/2017		SeqNo: 1320600		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	94.0	70	130			
Toluene	18	1.0	20.00	0	90.3	70	130			
Surr: 1,2-Dichloroethane-d4	8.7		10.00		86.6	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		114	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	9.5		10.00		94.9	70	130			

Sample ID 1704321-002ams	SampType: MS		TestCode: EPA Method 8260: Volatiles Short List							
Client ID: Raton Diversion	Batch ID: R42040		RunNo: 42040							
Prep Date:	Analysis Date: 4/11/2017		SeqNo: 1320603		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	96.4	70	130			
Toluene	19	1.0	20.00	0	95.1	70	130			
Surr: 1,2-Dichloroethane-d4	9.1		10.00		91.1	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		114	70	130			
Surr: Dibromofluoromethane	10		10.00		102	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

Sample ID 1704321-002amsd	SampType: MSD		TestCode: EPA Method 8260: Volatiles Short List							
Client ID: Raton Diversion	Batch ID: R42040		RunNo: 42040							
Prep Date:	Analysis Date: 4/11/2017		SeqNo: 1320604		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	92.6	70	130	4.03	20	
Toluene	18	1.0	20.00	0	90.5	70	130	5.01	20	

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#: 1704321

13-Apr-17

Client: D & H Petroleum & Environmental

Project: Eagle Nest/Cimarron River

Sample ID	1704321-002amsd	SampType:	MSD	TestCode:	EPA Method 8260: Volatiles Short List					
Client ID:	Raton Diversion	Batch ID:	R42040	RunNo:	42040					
Prep Date:		Analysis Date:	4/11/2017	SeqNo:	1320604	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.0		10.00		89.8	70	130	0	0	
Surr: 4-Bromofluorobenzene	11		10.00		109	70	130	0	0	
Surr: Dibromofluoromethane	9.8		10.00		98.3	70	130	0	0	
Surr: Toluene-d8	10		10.00		103	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#: 1704321

13-Apr-17

Client: D & H Petroleum & Environmental

Project: Eagle Nest/Cimarron River

Sample ID	2.5 gro lcs	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSW	Batch ID:	A42040	RunNo:	42040					
Prep Date:		Analysis Date:	4/11/2017	SeqNo:	1320389	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.54	0.050	0.5000	0	108	75.9	120			
Surr: BFB	10		10.00		102	70	130			

Sample ID	rb	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBW	Batch ID:	A42040	RunNo:	42040					
Prep Date:		Analysis Date:	4/11/2017	SeqNo:	1320390	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	9.4		10.00		94.4	70	130			

Sample ID	1704321-001ams	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	S.D. Diversion	Batch ID:	A42040	RunNo:	42040					
Prep Date:		Analysis Date:	4/11/2017	SeqNo:	1320393	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.53	0.050	0.5000	0	106	70	130			
Surr: BFB	10		10.00		101	70	130			

Sample ID	1704321-001amsd	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	S.D. Diversion	Batch ID:	A42040	RunNo:	42040					
Prep Date:		Analysis Date:	4/11/2017	SeqNo:	1320394	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.49	0.050	0.5000	0	97.4	70	130	8.04	20	
Surr: BFB	9.5		10.00		94.9	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 |

Sample Log-In Check List

Client Name: DH Petro ALBUQUERQU

Work Order Number: 1704321

RcptNo: 1

Received By: Anne Thorne 4/8/2007 8:50:00 AM

Anne Thorne

Completed By: Anne Thorne 4/10/2017 8:18:08 AM

Anne Thorne

Reviewed By: *[Signature]* 04/10/17

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? Client

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
- 12. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
- 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? Yes No
 (If no, notify customer for authorization.)

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: <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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	1.4	Good	Not Present			

Chain-of-Custody Record

Client: D & M United Fueling Solutions
 Mailing Address: 4400 ANAHEIM AVE
N.E. ALBUQUERQUE, NM
 Phone #: (505) 342-2624
 email or Fax#: r.guillen@dhr.united.com

QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation:
 NELAP Other
 EDD (Type)

Date	Time	Matrix	Sample Request ID
4/7/17			
4/7/17	11:30 am	Water	S.D. Diverstion
4/7/17	12:14 pm	Water	Raton Diverstion
4/7/17	1:30 pm	Water	Below Culvert
4/7/17	1:39 pm	Water	Below Beaver Dam

Date: 4/9/17 Time: 8:50 am
 Relinquished by: [Signature]
 Date: 4/9/17 Time: 8:50 am
 Relinquished by: [Signature]

Turn-Around Time: 2 Day Turnaround
 Standard Rush
 Project Name: Eagle Nest / Cimarron River
 Project #:

Project Manager: Roselio Guillen

Sampler: Steve
 On Ice: Yes No
 Sample Temperature: 1.4

Container Type and #
 Preservative Type
 HEAL No.
4 Glass / HCL Ice 1704321
4 Glass / HCL Ice 201
4 Glass / HCL Ice 202
4 Glass / HCL Ice 203
4 Glass / HCL Ice 204

Received by: [Signature] Date: 04/08/17 Time: 08:50
 Received by: [Signature] Date: 04/08/17 Time: 08:50

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX + MTBE + TMBs (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO, DRO, MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAHs (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F, Cl, NO ₂ , NO ₃ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCBs	8260B (VOA) B-TX	8270 (Semi-VOA)	Air Bubbles (Y or N)
		X							X		
		X							X		
		X							X		
		X							X		

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.

ATTACHMENT 5

Photo Documentation of Monthly Monitoring

**Monthly Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411**



Photo 1 View of Area #1 taken on May 1, 2017 from the south bank facing north.

Monthly Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 2 View of Area #2 taken on May 1, 2017 from the south bank facing northwest.

**Monthly Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411**



Photo 3 View of Area #3 taken on May 1, 2017 from the west bank facing east.

Monthly Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 4 View of Area 4-1 taken on May 1, 2017 from the east bank facing west.

Monthly Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 5 View of Area 4-2 taken on May 1, 2017 from the west bank facing east.

Monthly Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 6 View of Area #5 taken on May 1, 2017 from the west bank facing towards the south.

**Monthly Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411**



Photo 1 View of Area #1 taken on June 1, 2017 from the south bank facing north.

Monthly Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 2 View of Area #2 taken on June 1, 2017 from the south bank facing northwest.

Monthly Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 3 View of Area #3 taken on June 1, 2017 from the west bank facing east.

**Monthly Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411**



Photo 4 View of Area 4-1 taken on June 1, 2017 from the east bank facing west.

**Monthly Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411**



Photo 5 View of Area 4-2 taken on June 1, 2017 from the west bank facing east.

Monthly Photo Documentation
Cimarron River Spill, Cimarron Canyon State Park, NM
SPA-2016-00411



Photo 6 View of Area #5 taken on June 1, 2017 from the west bank facing towards the south.

ATTACHMENT 6

Copy of Revegetation Plan



May 3, 2017

Ms. Deanna L. Cummings
Senior Regulatory Project Manager
Regulatory Program
U.S. Army Corps of Engineers
Albuquerque District
4101 Jefferson Plaza NE
Albuquerque, NM 87109

Re: SPA-2016-00411 Cimarron River, Ute, Park, Colfax County, NM

Dear Ms. Cummings:

On behalf of Fronk Oil Company, please find a plan to reseed and/or transplant native species at areas disturbed by the remedial activities at the Cimarron River Spill in Cimarron Canyon State Park, New Mexico.

Thank you,

A handwritten signature in black ink that reads 'Rosalio Guillen'.

Rosalio Guillen, P.G.
Project Manager

Enclosures

EL PASO BRANCH

1221 Tower Trail Ln • El Paso, TX 79907 • Phone (915) 859-8150 • Fax (915) 858-4263

ALBUQUERQUE AMARILLO DALLAS \ FT. WORTH EL PASO HOUSTON LUBBOCK MIDLAND \ ODESSA SAN ANTONIO \ AUSTIN

www.dh-united.com / www.dh-enviro.com

Revegetation Plan
Cimarron River, Ute, Park, Colfax County, NM
SPA-2016-00411

A. Site Description

On December 27, 2016, a Fronk Oil tanker truck transporting unleaded gasoline and diesel fuel was involved in an accident near mile marker 290 on Highway 64, approximately 5 miles east of Eagle Nest, New Mexico. The accident caused a release of approximately 1100 gallons of diesel fuel (from the saddle tanks) and unleaded gasoline to the Cimarron River. Subsequent to the spill, D&H has performed spill response actions including removal of fuel, installation of sorbent booms, pads, and soil and surface water sampling and removal contaminated soils along the bank of the Cimarron River in five distinct areas.

This document provides a plan to address the impacts of disturbance to native vegetation in areas that were remediated and in particular to Area #4 (See Attachment A). The proposed revegetation plan is to provide a strategy to restore the disturbed project area east of Area #4 to pre-project grade and to revegetate this area with the purpose of minimizing soil erosion. According to the USDA Soil Conservation Service the underlying soils of the disturbed area are part of the Ustochrepts-Rock outcrop complex. Typical profile depth of the soils consists of: 0 to 10 inches: cobbly loam; 10 to 30 inches: very gravelly sandy clay loam and 30 to 34 inches: bedrock.

B. Selection of Plant Material

The selection of plant is the willow "whips", which can be collected on site in the immediate adjacent area. Willows are proposed to be sourced from live willow shrubs on-site, ensuring that no more than 10 percent of the total stems from a given area are removed.

C. Site Preparation

The areas will be prepared by removing plants that have been cut and perform a lightly irrigating and mulching the site to improve plant establishment. Soil loosening will be performed to depths of 1 to 3 inches but not turned or inverted with hand tools (such as a pick mattock or Pulaski) or other means of hand tools.

D. Installation of Plant Materials

Cuttings of whips are proposed to be taken at ground level to maximize the length of willow whips. To improve survival of willow plantings, willows WILL be collected AND planted while dormant. Collection and planting of willows will NOT be done if there is any evidence of spring flowering, bud break, or leaf out to ensure willow planting viability and survival. The guidance document in Attachment B will be used to guide in the planting of the willows.

If willow planting is not possible within the next week, and/or if there is ANY evidence of spring bud break, it is suggested applying sterile triticale (*Triticum aestivum* X *Secale cereale* 'Quickguard') seeds for initial erosion control. The application rate of 15 lbs/acre is recommended using manually operated cyclone-type bucket spreaders. After broadcasting the seeds, raking the seed will be performed into the soil to minimize bird depredation.

E. Revegetation Maintenance/Monitoring

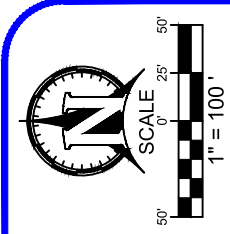
Post-seeding and transplanting monitoring will be yearly and will continue for a period of no less than 2 years or until the defined success criteria are achieved. Initial monitoring during the establishment period will coincide with maintenance activities. Adjustments to trash removal and exotic plant control will be guided by the monitoring observations.

Maintenance will be proposed for vegetation establishment, such as replacing dead plant material, and removing trash and debris. No irrigation is needed for the area since the high altitude provides sufficient moisture. Photographic record of the area during monitoring visits shall be performed.

F. Performance Standard

The performance standard shall be based on percent species richness and cover and density relative to adjacent areas of the project site. This plan shall ensure the disturbed area east of Area #4 is dominated by native vegetation and has undisturbed soils. The performance standard shall be met when cover and density of non-native plant species within the temporarily disturbed area will be no greater than in comparable surrounding areas that have not been disturbed by the remedial activities. By December 31 of each year a monitoring report shall be submitted to show if the performance standard has been met. Copies shall be submitted to NMDGF and NMED.

ATTACHMENT A



UNITED FUELING SOLUTIONS, INC.

D&H

1221 TOWER TRAIL LANE
 EL PASO, TEXAS 79907
 MAIN: (915) 859-8150
 FAX: (915) 859-7229

Project No.	517741
Date:	5/3/2017
Scale:	1" = 100 ft
Dwg. by:	RFG
Designed by:	DHUF5

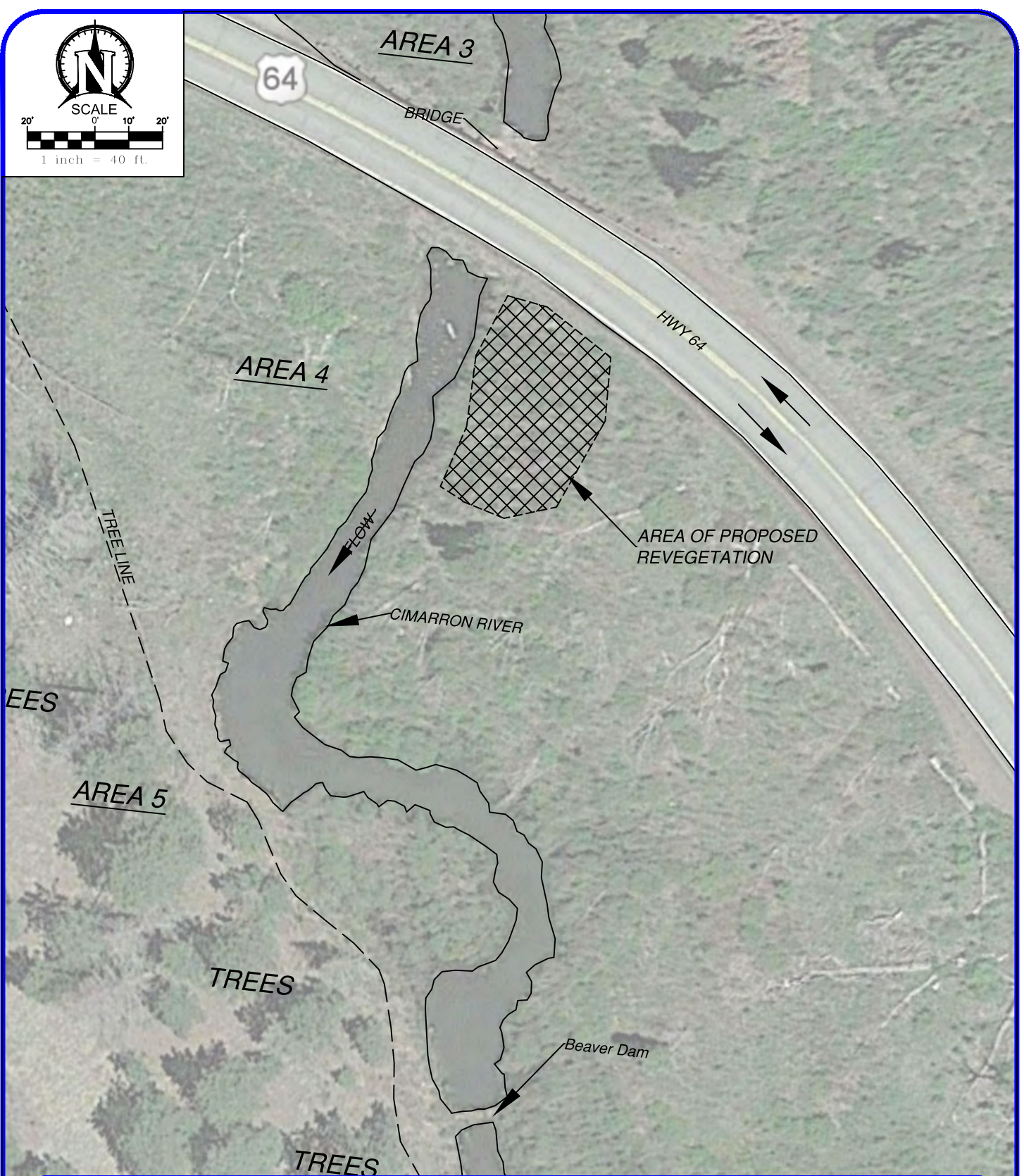
Cimarron River Spill

Mile Marker 290 US Highway 64 Cimarron Canyon State Park

Remediated Areas of the Cimarron River and Disturbed Surface Areas

No.	Note / Revision	Date

SCALE
20' 0' 10' 20'
1 inch = 40 ft.



Project No.
517741
Date: 04/28/17
Scale: 1" = 40 ft
Dwg. by: BFG
Designed by: DHUFS

Cimarron River Spill

Mile Marker 290 US Highway 64 Cimarron Canyon State Park

Revegetation Plan

UNITED FUELING SOLUTIONS, INC.

1221 TOWER TRAIL LANE
EL PASO, TEXAS 79907
MAIN: (915) 859-8150
FAX: (915) 859-7229

2 FIGURE 2

ATTACHMENT B

The Los Lunas Plant Materials Center

(LLPMC) has developed revegetation techniques involving "deep planting" for disturbed riparian areas; these methodologies allow rapid root extension into the capillary fringe which is the permanent soil moisture above the water table. These deep-planting techniques allow the establishment of obligate riparian species (phreatophytes) with little or no need for follow-up irrigation.

Dormant pole cuttings of riparian overstory trees, typically cottonwood and willow stems 12 to 16 feet long, and longstem container stock of understory shrubs have been successfully established by deep planting them into the capillary fringe. The capillary fringe provides moist but unsaturated soil for root proliferation.

Streambanks prone to erosion during high-flow events can be stabilized by establishing a dense, woody cover to armor the banks, and prolific root systems to stabilize the streambank soils.

In lower elevations of the southwestern United States, the following native species frequently serve this role:

- coyote (narrowleaf) willow (*Salix exigua*)
- seepwillow baccharis (mule's fat) (*Baccharis salicifolia*)
- desert false indigo (*Amorpha fruticosa*)
- occasionally arrowweed (*Pluchea sericea*)

At higher elevations, a variety of shrub willows (*Salix* sp.), redbud dogwood (*Cornus sericea*), thinleaf alder (*Alnus incana*), and occasionally water birch (*Betula occidentalis*) serve the same purpose.

Some of these species will root readily from dormant cuttings including most willows and dogwood. Baccharis and false indigo will root from cuttings but not consistently. The remaining species do not root from cuttings or their rooting propensity is

unknown. Those species that root easily are good candidates for planting as dormant cuttings for streambank stabilization.

The key to successful establishment is to place the base of the dormant cutting into the water table to assure the cutting is well hydrated while it forms adventitious roots that will extend into the capillary fringe. Another crucial factor is that the dormant cutting is planted deep into the alluvium to resist extraction by flood flows.

Attributes of shrub willow and dogwood whip cuttings include small base diameter (less than 1-inch caliber) and relatively short length (5 to 8 feet) compared with dormant pole cuttings. This is the natural growth form of young vigorous shoots (whips) which are the most likely to root readily.

The LLPMC's typical method of augering the holes to plant dormant whip cuttings is to use a spline drive rotary hammer with a 1-inch diameter bit that is 36 inches long. The 30-inch-plus deep holes have a sufficient diameter to accept most whip cuttings. A portable generator can provide sufficient power for several hammers via extension cords outfitted with ground fault circuit interrupters. A team of two persons, one doing the augering and one planting the cuttings, can plant up to 800 whip cuttings per day provided the soil is cohesive sand with only small amounts gravel or cobble. Heavy soils take much longer to auger because it is often difficult to pull the bit from the wet clay sediments. Rotary hammers can penetrate several inches of frozen surface soil that is frequently encountered during the late-winter or early-spring planting window for dormant cuttings. If cobbles are present in moderate numbers, it is possible through trial and error to auger deep holes if care is taken to not exert excessive lateral force on the bit which may result in breakage.

If the soil contains dense cobble or has a riprap cover, using a long, sharpened rod (referred to as a stinger) attached to a backhoe or excavator arm often can be successful in driving holes of sufficient depth. For fine-



Before and after: Coyote willows "deep planted" along drainage ditch

textured soils, you can use a jet of high pressure water to excavate a hole; this method requires a pump and an easily accessible water source because appreciable water is consumed to jet each hole.

Another successful method for planting whip cuttings is to use a large diameter auger to reach the water table and place several whips in each hole to assure survival. This produces a clump of plants rather than an individual stem.

The following factors may influence the success of a planting:

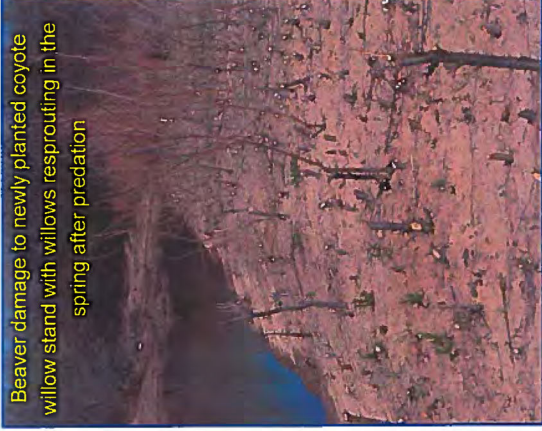
- Hydration—As with all dormant cuttings, it is important to keep the whips hydrated by storing newly harvested cuttings in water and minimizing desiccation during transport.
- Beaver damage—Willow whip cuttings can be damaged by beaver predation. Even though the entire aboveground portion of a newly planted whip might be consumed, the belowground stem often has sufficient reserves to sprout and form new shoots.
- Groundwater fluctuation—In situations where the groundwater depth fluctuates significantly, planting along the streambank at different elevations above the water level may be advisable as long as the base of the cutting is in contact with the capillary fringe or preferably in the saturated zone. Those cuttings close to the water's edge and inserted into very shallow groundwater may endure if the water level recedes drastically. However, if water levels stay elevated for long periods of time, the higher cuttings may be the only ones to survive.

The density of a planting depends on these factors:

- The urgency of stabilizing the streambank
- The spreading potential of the species planted
- The cost per unit area

Deep Planting

The Ground Water Connection



Coyote willow can form dense stands from root sprouts. Because low density plantings can fill in rapidly, coyote willow can be very useful for streambank stabilization on lower elevation sites. On higher elevation sites, most willow species are multi-stem shrubs which can resprout from root crowns, but they do not root sprout to form thickets. For this reason, higher density plantings of these willow species may be necessary to rapidly stabilize eroding streambanks in montane environments. One montane species, red osier dogwood, does propagate by stem layering which allows rapid spread on streambanks.

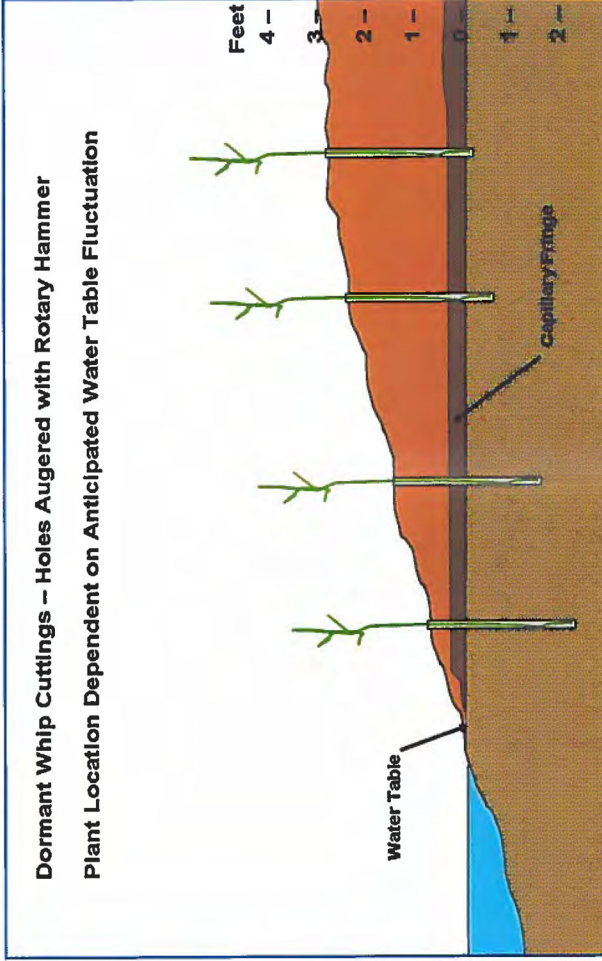
If additional information is needed regarding planting dormant whip cuttings for streambank revegetation, contact the Los Lunas Plant Materials Center at 505-865-4684.



Before and after: Streambank stabilization is achieved by "deep planting" coyote willow whips; planting holes were augered in the rocky soil by using rotary hammers.



Guidelines for Planting Dormant Whip Cuttings to Revegetate and Stabilize Streambanks



The USDA is an equal opportunity provider and employer

ATTACHMENT 7

Copies of Waste Manifests

SPECIAL WASTE SHIPMENT RECORD

Rio Rancho Sanitary Landfill / Valencia Regional Landfill & Recycling Facility

Shipment # **078929**

Mailing Address:

P.O. Box 15700
Rio Rancho, NM 87174
505/892-2055

Physical Address:

33rd St. & Northern Blvd.
Rio Rancho, NM 87144
SWM #231402

Physical Address:

1600 W. Highway 6
Los Lunas, NM 87031
SWM #013230 (sp)

Profile # **104035NM**

1. Generator's work site name and address <i>Frank Oil Company, Inc.</i>		
2. Generator's name and address <i>Frank Oil Company, Inc. 15 Hwy 64 @ Lat 36.539194, -105.19 Eagle Nest, NM 87718</i>		Generator's Telephone no. <i>505 259 9447</i>
3. Authorized Agent's name and mailing address (if different from #2) <i>Dr H. Kojakovic and Environmental 4400 Anaheim NE Albuquerque, NM 87113</i>		Agent's Telephone no. <i>505 259 9447</i>
4. Proper name and type of waste <i>Non-PCRA/Non-DOT Regulated Material Solid (Petroleum contaminated soil)</i>	5. Containers No. Type <i>01 CM</i>	6. Total quantity (yd3) (tons) <i>10 YARDS</i>

7. Special handling instructions:

8. GENERATOR'S OR AUTHORIZED AGENT'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway in accordance with applicable international and government regulations.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 258.28 and is not a hazardous waste as defined by 40CFR 261 or any applicable state law.

Generator's or Authorized Agent's printed/typed name <i>Bill Walker aka Frank</i>	Signature <i>Walker</i>	Month / Day / Year <i>04/18/17</i>
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9. Transporter 1 (Acknowledgement of receipt of materials)		
Printed/typed name, address, telephone no. <i>Bob Martinez 10000 S.W. 20th Ave Miami, FL 33149 505-349-5220</i>	Signature <i>Bob Martinez</i>	Month / Day / Year <i>04/18/17</i>

10. Transporter 2 (Acknowledgement of receipt of materials)		
Printed/typed name, address, telephone no.	Signature	Month / Day / Year

11. Discrepancy indication space

12. Waste disposal site location coordinates

Cell TACH- 21300 274 W1060959225593

Received By (printed/typed name) <i>Cynthia Pink</i>	Signature <i>Cynthia Pink</i>	Month / Day / Year <i>4/18/17</i>
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NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on 60 lb (12 pch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NMCESQG		Manifest Document No. D148367	2. Page 1 of 1
3. Generator's Name and Mailing Address FRONK OIL COMPANY INC. 14950 HWY 23 / PO BOX F BOOKER, TX 78005					
4. Generator's Phone 505 259 9447					
5. Transporter 1 Company Name Advanced Chemical Transport Inc. (SV)		6. US EPA ID Number CAR000070540		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone	
				C. State Transporter's ID	
				D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Advanced Chemical Treatment 6133 Edith Blvd NE Albuquerque, NM 87107 505-349-5220		10. US EPA ID Number NMD002208627		E. State Facility's ID	
				F. Facility's Phone	

11. WASTE DESCRIPTION	Containers		13. Total Quantity	14. Unit Vol./Wt.
	No.	Type		
a. Non-RCRA/Non-DOT Regulated Material Liquid (WATER, DIESEL)	05	DM 55	2300	P
b. UN3077, Environmentally hazardous substances, solid, n.o.s. (ABSORBENTS WITH DIESEL), 9, PGIII	04	CF	800	P
c. Non RCRA/Non-DOT Regulated Material Liquid (Water, Diesel)	06	DF 55	1720	P
d. UN3077, Environmentally hazardous substances, solid, n.o.s. (Absorbents), 9, PG III	02	DM	400	

G. Additional Descriptions for Materials Listed Above Project Number 124542 Document #: D148367		H. Handling Codes for Wastes Listed Above	
1) ACT64251 FRA (05) DM 55 2) ERG#171; ACT60755 FRA (04) CF 55 3) ACT64251 FRA (06) DF 55 4) ACT60755 (03) DM 55			

15. Special Handling Instructions and Additional Information

24 HOUR EMERGENCY CONTACT: STEVE MIRABAL 505 259 9447

18. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name Jerome Cooper	Signature <i>Jerome Cooper</i>	Date Month Day Year 9 18 17
17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name Jerome Cooper	Signature <i>Jerome Cooper</i>	Date Month Day Year 9 18 17
18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
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NON-HAZARDOUS WASTE

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number 06800	2. Page 1 of 1	3. Emergency Response Phone 1-800-785-7225	4. Manifest Tracking Number 016570628 JJK					
5. Generator's Name and Mailing Address Frank Oil Company 14950 Hwy 23 / PO Box F Barker, TX 79005 Generator's Phone: 817 450 8150			Generator's Site Address (if different than mailing address) D & H United Fueling Solutions, LLC 1221 Tower Trail Lane El Paso, TX 79907							
6. Transporter 1 Company Name Advanced Chemical Transport Inc. (CHP)			U.S. EPA ID Number NMRC00021102							
7. Transporter 2 Company Name Advanced Chemical Transport, Inc. (CA)			U.S. EPA ID Number CA0000070540							
8. Designated Facility Name and Site Address Advanced Chemical Treatment 6133 Edith Blvd NE Albuquerque, NM 87107 Facility's Phone: 505 249 0220			U.S. EPA ID Number NMDC02200627							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes			
			No.	Type						
	X	1. UN3077, Environmentally Hazardous Substances, Solid, n.o.s., (Absorbents with Diesel), 9, PGII	04	DM	EST 805	P		NONE		
		2.								
		3.								
	4.									
14. Special Handling Instructions and Additional Information SDS Document #: 0151713 Emergency Name: Advanced Chemical Transport 1) ERG#NF: ACT00755-4X55 = 680 LBS										
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Offeror's Printed/Typed Name <i>Mark Jimenez</i>						Signature <i>[Signature]</i>		Month	Day	Year
								4	27	17
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
	17. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name <i>Michael Brown</i>						Signature <i>[Signature]</i>		Month	Day	Year
								4	27	17
Transporter 2 Printed/Typed Name <i>Robert Hurd</i>						Signature <i>[Signature]</i>		Month	Day	Year
								5	14	17
DESIGNATED FACILITY	18. Discrepancy									
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
	18b. Alternate Facility (or Generator)						U.S. EPA ID Number			
	Facility's Phone: _____									
18c. Signature of Alternate Facility (or Generator)								Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
		2.		3.		4.				
20. Designated Facility Owner or Operator, Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a										
Printed/Typed Name <i>M. J. Wash</i>						Signature <i>[Signature]</i>		Month	Day	Year
								5	17	17