

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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nAPP2116636311
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # (assigned by OCD) nAPP2116636311
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

### Location of Release Source

Latitude 32.72769 Longitude -104.39633  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Kent BSK #1H	Site Type Flow Line
Date Release Discovered 06/10/2021	API# (if applicable) 30-015-40161

Unit Letter	Section	Township	Range	County
P	20	18S	26E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Painter, Michael John)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0.5
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 4.5
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Failure of the produced water transfer line occurred at the tinhorn allowing for the release of an unknown volume of produced water and crude oil.

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<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p>	

## Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u>	Title: <u>Rep Safety &amp; Environmental Sr</u>
Signature: <u><i>Chase Settle</i></u>	Date: <u>06/15/2021</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

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## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>&gt;100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.


### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
Signature:  Date: 8/31/21  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2116636311
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## Remediation Plan


**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
Signature:  Date: 8/31/21  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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## Closure

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

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
Signature: Chase Settle Date: 03/30/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: 04/18/2022  
Printed Name: Jennifer Nobui Title: Environmental Specialist A

2135 S. Loop 250 W,  
Midland, Texas 79703  
United States  
www.ghd.com

Our ref: 11229794

March 30, 2022

New Mexico Oil Conservation Division  
District 2  
811 South First Street  
Artesia, New Mexico 88210

Re: **Site Characterization and Closure Report**  
**Kent BSK #1H Release Site**  
**EOG Resources Inc.**  
**Incident ID: nAPP2116636311**  
**P-20-18S-26E, Eddy County, New Mexico**

To Whom It May Concern:

## 1. Introduction

GHD Services, Inc. (GHD), on behalf of EOG Resources (EOG), submits this Site Characterization and Closure Report to the New Mexico Oil Conservation Division (NMOCD) District 2 Office. This Report provides documentation of delineation, sampling, analyses, and remedial activities in the affected areas at the EOG Kent BSK #1H Release Site (Site). The Site is located in Unit Letter P Section 20 of Township 18 South and Range 26 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.72769 N latitude and 104.39633 W longitude. The release occurred on private land owned by Painter, Michael John. Figure 1 depicts the Site location. The impacted area and other site details are depicted on Figures 2 and 3.

## 2. Background Information

A C-141 initial report for this release was submitted to the NMOCD on June 15, 2021. The release was discovered on June 10, 2021. The C-141 stated the release was due a failure of the produced water transfer line which occurred at the tinhorn, allowing for the release of an unknown volume of produced water and crude oil. Approximately half (0.5) a barrel of oil and four and a half (4.5) barrels of produced water were recovered.

A Site Characterization and Remediation Work Plan dated August 31, 2021 was submitted to the NMOCD for approval. The work plan was approved by the NMOCD on January 20, 2022. The Release Notification, Site Assessment/Characterization, Remediation Plan, and Closure portions of Form C-141 for Incident Number nAPP2116636311 are attached to the front of this report.

### 3. Groundwater and Site Characterization

GHD characterized the Site according to Table 1, Closure Criteria for Soils Impacted by a Release, from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12). The release falls under the jurisdiction of the NMOCD District 2 in Artesia, New Mexico.

A search of the New Mexico Office of the State Engineer Point of Diversion website located a water well approximately 0.26 miles from the Kent BSK #1 release site. The well was installed from September 27, 2019 to October 2, 2019. The depth to water was one-hundred-forty (140) feet below ground surface (bgs). The primary purpose of this well is listed as domestic and livestock watering. Depth to groundwater for this Site is greater than one hundred (100) feet bgs. No other receptors (karst potential areas, water wells, playas, wetlands, waterways, lakebeds or ordinance boundaries) were located within each specific boundaries or distance from the Site. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i) the Site is located within an area with depth to groundwater greater than one hundred (100) feet and meets the closure criteria for depth to groundwater greater than one hundred (100) feet in Table 1 in NMAC 19.15.29.12. The Site characterization documentation (The POD Documentation, Karst Potential, FEMA, Points of Diversion and Wetlands maps) are provided in Attachment A. The soil and closure criteria are listed below:

**General Site Characterization and Groundwater:**

Site Characterization	Average Groundwater Depth (ft.)
No Receptors Found	>100'

**Table 3.1** Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12)

Constituent	Limits
Chloride	20,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
Benzene	10mg/kg
BTEX	50 mg/kg

### 4. Initial Soil Delineation Assessment Summary and Findings

On July 1, 2021, GHD Services Inc. (GHD), on behalf of EOG, installed six (6) hand borings, HA1 through HA6, within the suspected impacted area. Soil samples were collected at depths ranging from the surface to four (4) feet below grade. All soil samples were analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300 by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico. Analytical results indicated that none of the samples exhibited benzene, BTEX, TPH, or chloride concentrations above Table 1 closure criteria.

On July 14, 2021, GHD returned to the site and installed one (1) additional hand boring, HA7 and collected a soil sample at surface and at two (2) feet. All soil samples were analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300 by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico. None of the samples exhibited benzene, BTEX, TPH, or chloride concentrations above Table 1 closure criteria.



On July 26, 2021. GHD and EOG contractor Culberson Construction Energy Services (CCI), on behalf of EOG, installed two (2) test pits TP1 and TP2 within the suspected impacted area. The test pit locations were excavated to depths ranging from two (2) feet to approximately twenty (20) feet bgs. Soil samples were collected from varying depths of the test pits and field screened for chloride and hydrocarbons. Select samples were submitted to HEAL in Albuquerque, New Mexico and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Analytical results indicated none of the samples exhibited benzene, BTEX, TPH or chloride concentrations above Table 1 closure criteria.

Figure 2, Site Assessment: Soil Analytical Results Map, depicts the locations of the initial delineation samples and analytical concentrations. Analytical results are provided in Table 1, on Figure 2, and in the Laboratory Analytical Reports provided in Attachment C.

## 5. **Excavation, Waste Management and Confirmation Sampling**

Due to the preliminary soil sampling activities exhibiting Chloride exceedance above Table I NMAC 19.15.29.13, for restoration closure criteria in the first four (4) feet below grade, GHD and EOG's contractor Standard Safety and Supply (SS), returned to the site on February 28, 2022, to excavate the affected soils. Confirmation soil samples (BH-1 through BH-7 and SW-1 through SW-3) were collected on March 1, 2022 through March 4, 2022, after a confirmation sampling notification was submitted to the NMOCD two business days prior. All confirmation samples were taken to HEAL in Albuquerque, New Mexico and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Confirmation samples collected represented areas no greater than (200) square feet. Analytical results indicated all samples collected were below Table I closure criteria. Laboratory Analytical Reports and Chain-of-Custody Documentation are provided in Attachment C. Analytical results are summarized in attached Table 1 and on Figure 3.

On March 8, 2022, confirmation soil samples (BH-8 through BH-16 and SW-4 through SW-5) were collected from areas representing no more than 200 square feet, after a confirmation sampling notification was submitted to the NMOCD two business days prior. All confirmation samples were taken to HEAL in Albuquerque, New Mexico and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Analytical results indicated benzene, BTEX, TPH and chloride concentrations were below Table I closure criteria.

Waste management activities were performed in coordination with EOG directives. EOG obtained regulatory approval via the successful processing of Form C-138 Request for Approval to Accept Solid Waste. The waste was approved for acceptance at the OCD-permitted (WM-1-035), Lea Land, LLC facility located at MM64, Highway 62/180 East, Carlsbad, NM, 88220. Approximately 688.14 tons of impacted soil was disposed of at Lea Land, LLC. The waste manifests from March 1, 2022 through March 8, 2022, shipping manifest are available upon request and aren't included in the report due to the size of the file. A Daily Disposal Summary is provided as Table 2. The confirmation sampling notifications are provided in Attachment D.

## 6. **nAPP2116636311 Closure Request**

Site Characterization, soil delineation, and remediation activities for this incident number have been performed in accordance with applicable NMOCD guidance and regulations. Based upon supporting

documentation provided in this report, GHD, on behalf of EOG, respectfully requests closure and no further regulatory actions for nAPP2116636311

If you have any questions or comments concerning this Site Characterization and Closure Report, please do not hesitate to contact our Midland office at (432) 686-0086.

Sincerely,

GHD



Becky Haskell  
Senior Project Manager



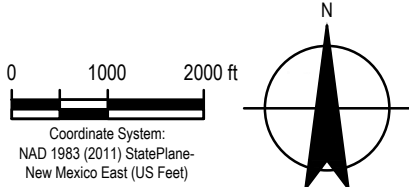
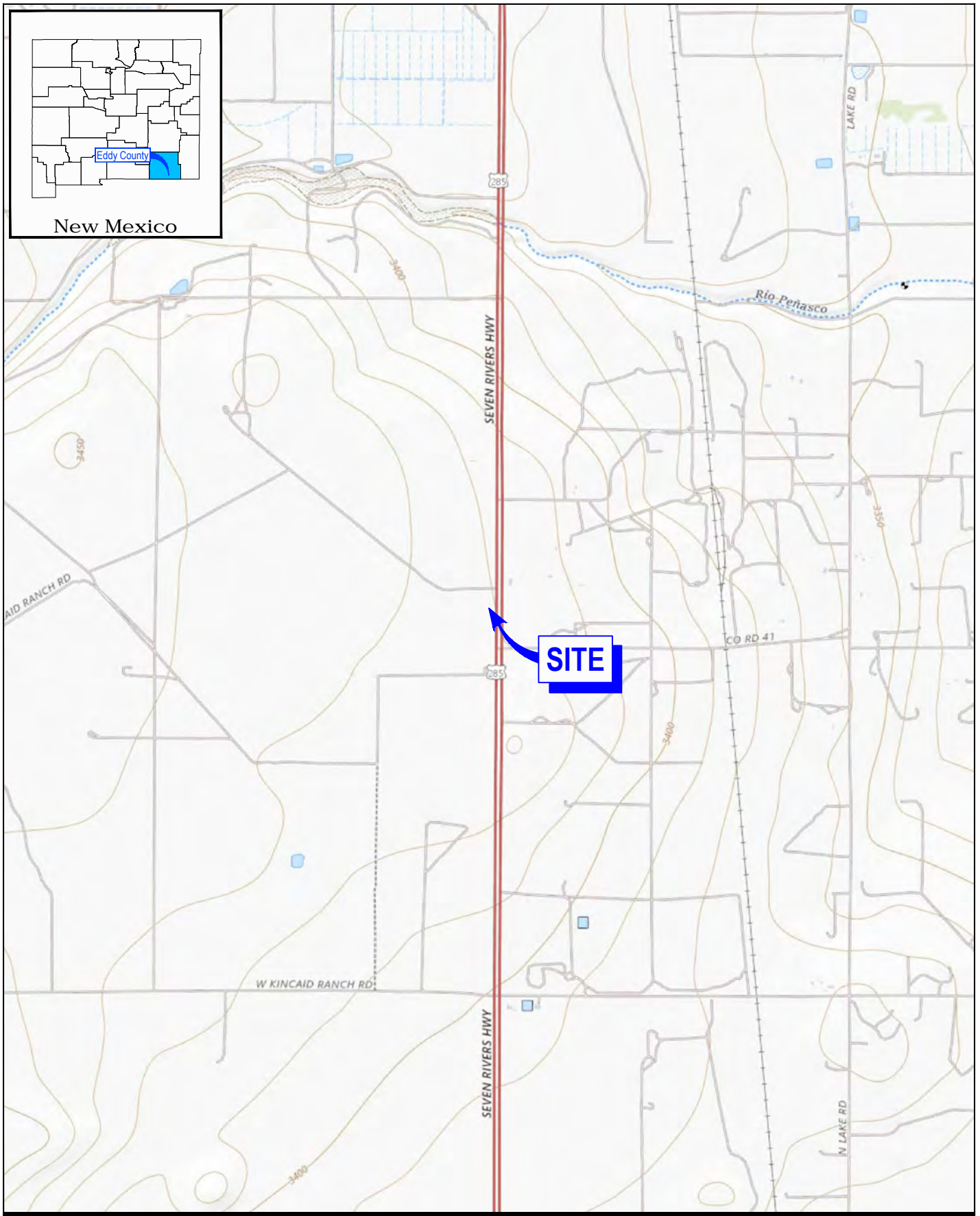
Zach H. Comino  
Field Geologist

BH/ZC/1

Encl.    Figure 1 – Site Location Map  
          Figure 2 – Initial Assessment Soil Concentration Map  
          Figure 3 – Confirmation Sampling Soil Analytical Results Map  
          Table 1 – Summary of Soil Analytical Data  
          Table 2 – Daily Disposal Summary  
          Attachment A – Site Characterization Documentation  
          Attachment B – Photographic Log  
          Attachment C – Laboratory Analytical Reports and Chain-of-Custody Documentation  
          Attachment D – Confirmation Sampling Notifications

cc:       Chase Settle

# Figures



EOG RESOURCES  
EDDY COUNTY, NEW MEXICO  
KENT BSK 1H

Project No. 11229794  
Date August 2021

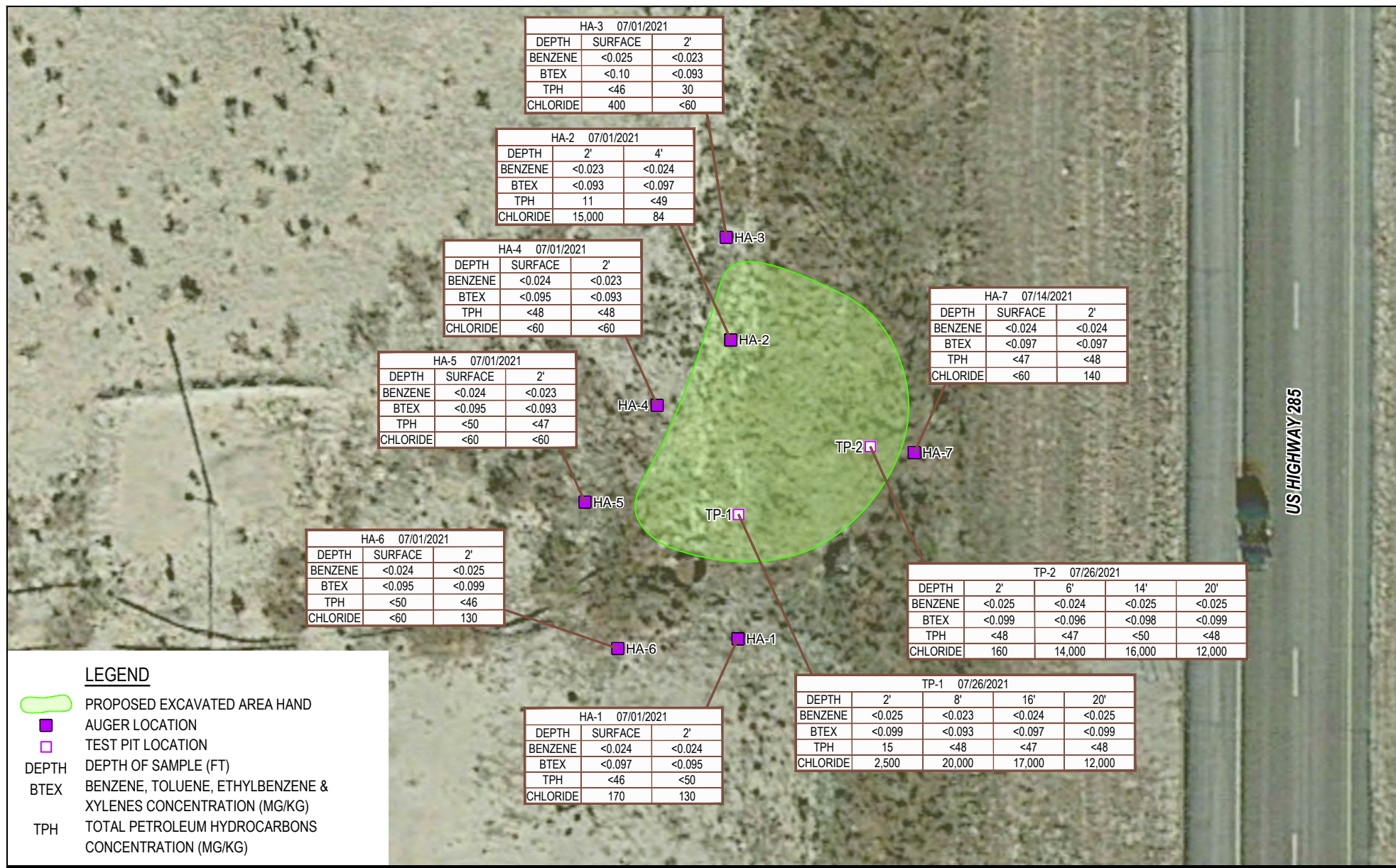
SITE LOCATION MAP

FIGURE 1

Filename: \\ghdnet\ghd\US\Midland\Projects\562\11229794\Digital\_Design\ACAD 2018\Figures\RPT001\11229794-GHD-0000-RPT-EN-0101\_DL-001.dwg

Data Source: USGS 7.5 Minute Quad "Dayton and Lake McMillan North, New Mexico"  
Lat/Long: 32.727763° North, 104.396291° West





**NOTES:**

1. RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).
2. SEE TABLE 1 FOR FULL ANALYTICAL RESULTS/DETAILS.
3. YELLOW SHADED CELLS INDICATE EXCEEDANCE.



EOG RESOURCES  
EDDY COUNTY, NEW MEXICO  
KENT BSK 1H

Project No. 11229794  
Date August 2021

**SITE ASSESSMENT:  
SOIL ANALYTICAL RESULTS MAP**

**FIGURE 2**



Sample ID	Sample Date	Depth (ft bgs)	Benzene	BTEX	Total Petroleum Hydrocarbons (TPH)	Chloride
					Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC			
			10 mg/kg	50 mg/kg	2,500 mg/kg	20,000 mg/kg
Confirmation Bottomhole Samples						
BH-1	3/1/22	4	<0.024	<0.097	<48	310
BH-2	3/1/22	4	<0.024	<0.097	<48	8,000
BH-3	3/1/22	4	<0.023	<0.093	<50	200
BH-4	3/1/22	4	<0.12	<0.49	133	3,000
BH-5	3/2/22	4	<0.025	<0.10	23	12,000
BH-6	3/2/22	4	<0.025	<0.098	259	8,900
BH-7	3/8/22	4	<0.12	<0.46	1,040	8,000
BH-8	3/8/22	4	<0.024	<0.095	48	<60
BH-9	3/8/22	4	<0.024	<0.098	<50	<60
BH-10	3/8/22	4	<0.024	<0.097	18	78
BH-11	3/8/22	4	<0.025	<0.099	107	86
BH-12	3/8/22	4	<0.023	<0.093	67	190
BH-13	3/8/22	4	<0.023	<0.093	66	160
BH-14	3/8/22	4	<0.025	<0.099	<47	330
BH-15	3/8/22	4	<0.025	<0.099	<47	680
BH-16	3/8/22	4	<0.024	<0.097	16	1,300
Confirmation Sidewall Samples						
SW-1	3/1/22	Sidewall	<0.023	<0.094	<48	150
SW-2	3/1/22	Sidewall	<0.024	<0.095	<48	140
SW-3	3/2/22	Sidewall	<0.025	<0.099	<47	<60
SW-4	3/8/22	Sidewall	<0.024	<0.096	<50	<61
SW-5	3/8/22	Sidewall	<0.024	<0.096	<48	<60

LEGEND

EXCAVATED AREA

DEPTH

DEPTH OF SAMPLE (FT)

BTEX

BENZENE, TOLUENE, ETHYLBENZENE & XYLENES CONCENTRATION (MG/KG)

TPH

TOTAL PETROLEUM HYDROCARBONS CONCENTRATION (MG/KG)

INDICATES SIDE WALL COMPOSITE SAMPLE

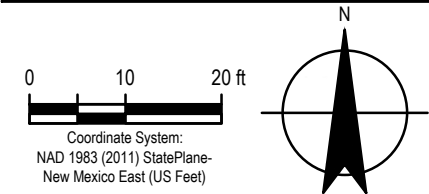
INDICATES SIDE WALL COMPOSITE SAMPLE

INDICATES SIDE WALL COMPOSITE SAMPLE

- NOTES:
1. RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).

2. SEE TABLE 1 FOR FULL ANALYTICAL RESULTS/DETAILS.

3. YELLOW SHADED CELLS INDICATE EXCEEDANCE.



EOG RESOURCES  
EDDY COUNTY, NEW MEXICO  
KENT BSK 1H

CONFIRMATION SAMPLING:  
SOIL ANALYTICAL RESULTS MAP

Project No. 11229794  
Date March 2022

FIGURE 3



## Tables

**Table 1**  
**Summary of Soil Analytical Data**  
**Kent BSK 1H**  
**EOG Resources**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
								GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
10 mg/kg	---	---	---	50 mg/kg	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg				
Initial Assessment Samples												
HA1-S	7/1/21	Surface	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.3	<46	<46	170
HA1-2	7/1/21	2	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.9	<50	<50	130
HA2-2	7/1/21	2	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	11	<49	11	15,000
HA2-4	7/1/21	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.8	<49	<49	84
HA3-S	7/1/21	Surface	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.3	<46	<46	400
HA3-2	7/1/21	2	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	30	<49	30	<60
HA4-S	7/1/21	Surface	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.5	<48	<48	<60
HA4-2	7/1/21	2	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.5	<48	<48	<60
HA5-S	7/1/21	Surface	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.9	<50	<50	<60
HA5-2	7/1/21	2	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.4	<47	<47	<60
HA6-S	7/1/21	Surface	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.9	<50	<50	<60
HA6-2	7/1/21	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.2	<46	<46	130
HA7-S	7/14/21	Surface	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.4	<47	<47	<60
HA7-2	7/14/21	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.6	<48	<48	140
Test Pit Samples												
TP1-2	7/26/21	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	15	<47	15	2,500
TP1-8	7/26/21	8	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.6	<48	<48	20,000
TP1-16	7/26/21	16	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.4	<47	<47	17,000
TP1-20	7/26/21	20	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<48	<48	12,000
TP2-2	7/26/21	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<48	<48	160
TP2-6	7/26/21	6	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.5	<47	<47	14,000
TP2-14	7/26/21	14	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<50	<50	16,000
TP2-20	7/26/21	20	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<48	<48	12,000
Confirmation Bottomhole Samples												
BH-1	3/1/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.7	<48	<48	310
BH-2	3/1/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.7	<48	<48	8,000
BH-3	3/1/22	4	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<10	<50	<50	200



**Table 1**  
**Summary of Soil Analytical Data**  
**Kent BSK 1H**  
**EOG Resources**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									(mg/kg)
			10 mg/kg	---	---	---	50 mg/kg	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg	
BH-4	3/1/22	4	<0.12	<0.25	<0.25	<0.49	<0.49	<25	<b>75</b>	<b>58</b>	<b>133</b>	<b>3,000</b>
BH-5	3/2/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<b>23</b>	<47	<b>23</b>	<b>12,000</b>
BH-6	3/2/22	4	<0.025	<0.050	<0.050	<0.098	<0.098	<4.9	<b>170</b>	<b>89</b>	<b>259</b>	<b>8,900</b>
BH-7	3/4/22	4	<0.12	<0.23	<0.23	<0.46	<0.46	<b>40</b>	<b>740</b>	<b>260</b>	<b>1,040</b>	<b>8,000</b>
BH-8	3/8/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<b>48</b>	<49	<b>48</b>	<60
BH-9	3/8/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<10	<50	<50	<60
BH-10	3/8/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<b>18</b>	<48	<b>18</b>	<b>78</b>
BH-11	3/8/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<b>47</b>	<b>60</b>	<b>107</b>	<b>86</b>
BH-12	3/8/22	4	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<b>67</b>	<50	<b>67</b>	<b>190</b>
BH-13	3/8/22	4	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<b>66</b>	<46	<b>66</b>	<b>160</b>
BH-14	3/8/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.4	<47	<47	<b>330</b>
BH-15	3/8/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.4	<47	<47	<b>680</b>
BH-16	3/8/22	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<b>16</b>	<50	<b>16</b>	<b>1,300</b>
<b>Confirmation Sidewall Samples</b>												
SW-1	3/1/22	Sidewall	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.6	<48	<48	<b>150</b>
SW-2	3/1/22	Sidewall	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.5	<48	<48	<b>140</b>
SW-3	3/3/22	Sidewall	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.3	<47	<47	<60
SW-4	3/8/22	Sidewall	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	<61
SW-5	3/8/22	Sidewall	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.6	<48	<48	<60

**Notes:**

1. Values reported in mg/kg
2. < = Value Less than Reporting Limit (RL)
3. Bold Indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B.
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil

Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I for depth to water greater than 100 ft

Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I for depth to water less than 50 ft

**B-BH-2** Sample Point Excavated

**Table 2**  
**Daily Disposal Summary**  
**Kent BSK #1H**  
**EOG Resources**  
**Eddy, County, New Mexico**

<b>Date of Disposal</b>	<b>Total Pounds Disposed</b>	<b>Total Tons Disposed</b>
3/1/2022	165,380	82.69
3/3/2022	227,340	113.67
3/4/2022	427,620	213.81
3/7/2022	147,340	73.67
3/8/2022	408,600	204.30
<b>Project Total</b>	<b>1,376,280</b>	<b>688.14</b>




# Attachment A


## Site Characterization Documentation

# EOG Kent BSK #1H

Karst Potential Map

## Legend

-  High
-  Kent BSK #1H
-  Low
-  Medium

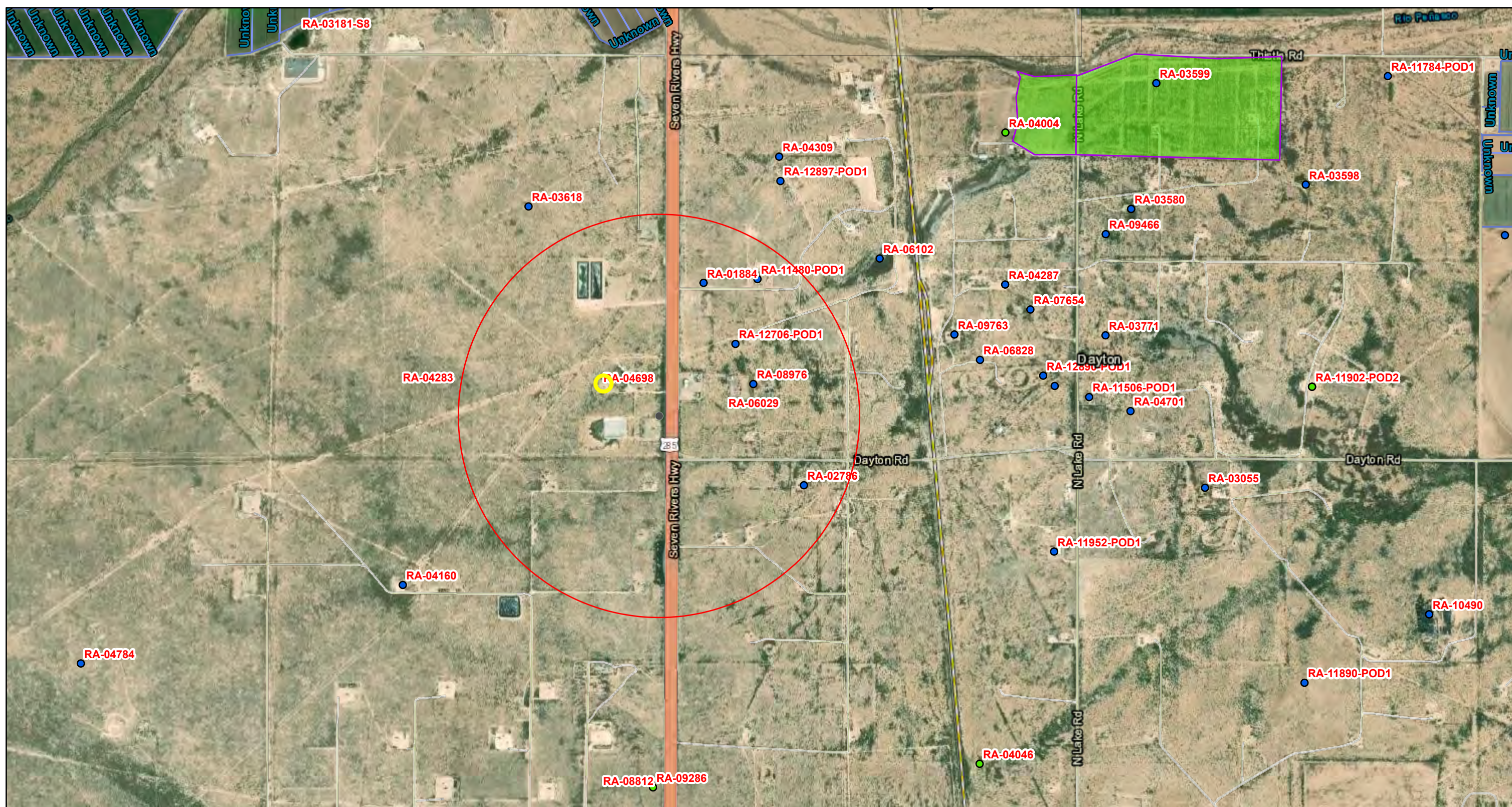
 Kent BSK #1H














1000 ft



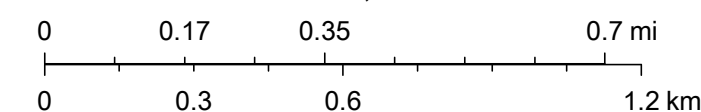
OSE PUBLIC PRINT



8/30/2021, 4:33:57 PM

 Live Stream Gauges v1  
 OSE District Boundary  
 New Mexico State Trust Lands  
 Lateral  
 GIS WATERS PODs  
 Active  
 Water Right Regulations  
 Subsurface Estate  
 SiteBoundaries  
 Pending  
 Negative Easement Area  
 Conveyances  
 Ditch

1:18,056



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar





# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
22228	RA 12706 POD1	4	1	3	21	18S	26E	556871	3621549

x

Driller License:

1064

Driller Company:

DELFORD W. MARTIN

Driller Name:

MARTIN, DELFORDDHARDDENAS

Drill Start Date:

09/27/2019

Drill Finish Date:

10/02/2019

Plug Date:

Log File Date:

10/21/2019

PCW Rcv Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

15 GPM

Casing Size:

5.00

Depth Well:

210 feet

Depth Water:

140 feet

x

Water Bearing Stratifications:

Top	Bottom	Description
140	205	Sandstone/Gravel/Conglomerate

x

Casing Perforations:

Top	Bottom
150	210

x

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

8/31/21 6:56 AM

POINT OF DIVERSION SUMMARY

nmwrrs.ose.state.nm.us/ReportDispatcher?type=PODGHTML&name=PodGroundSummaryHTML.jrxml&basin=RA&nbr=12706&suffix=POD1

Released to Imaging: 4/18/2022 9:33:20 AM

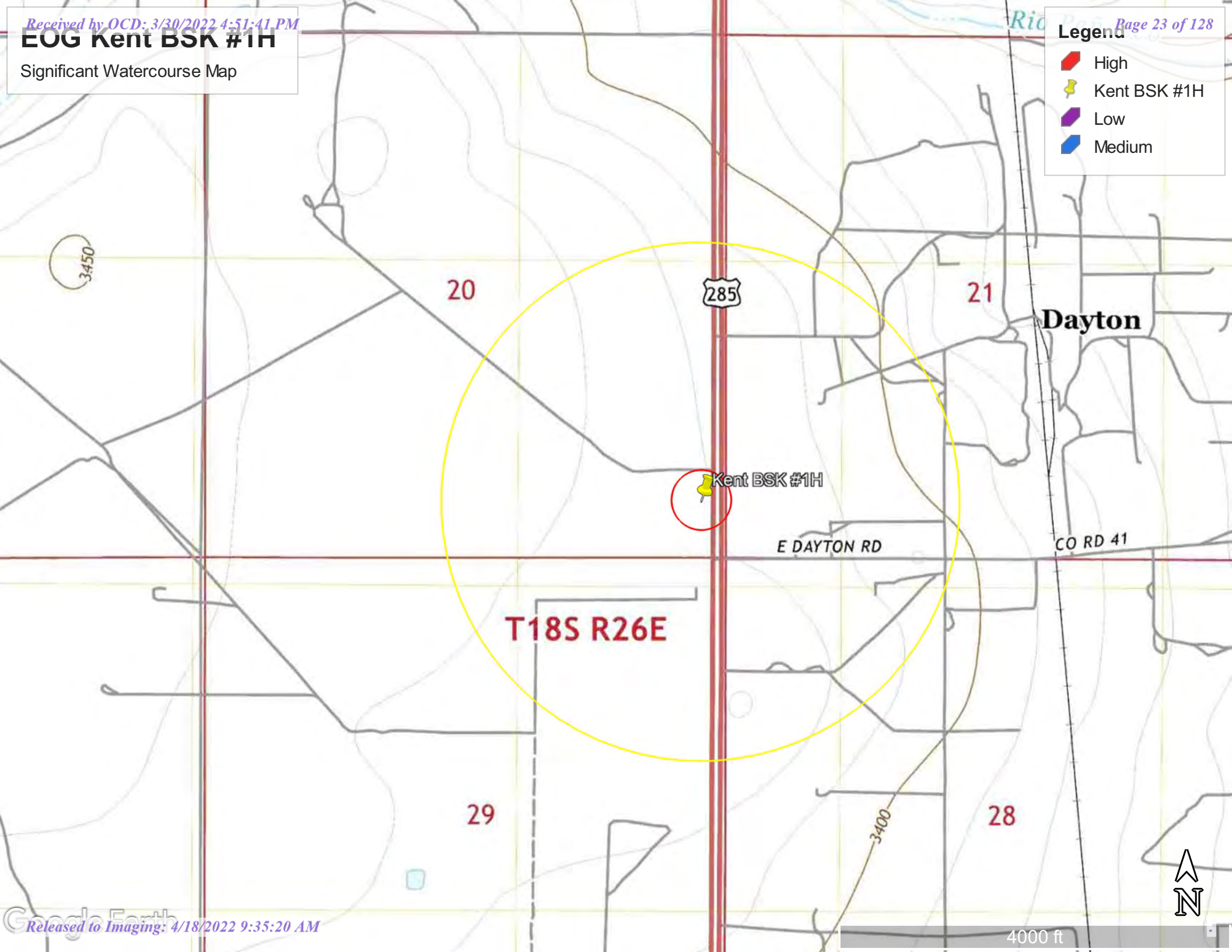
1/1

# EOG Kent BSK #1H

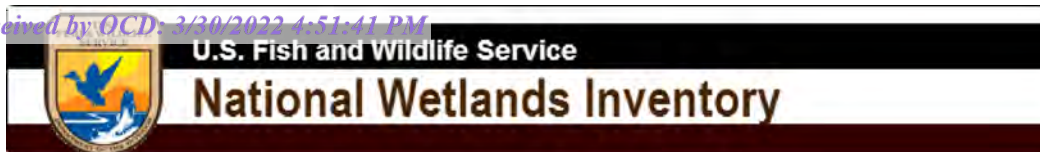
Significant Watercourse Map

## Legend

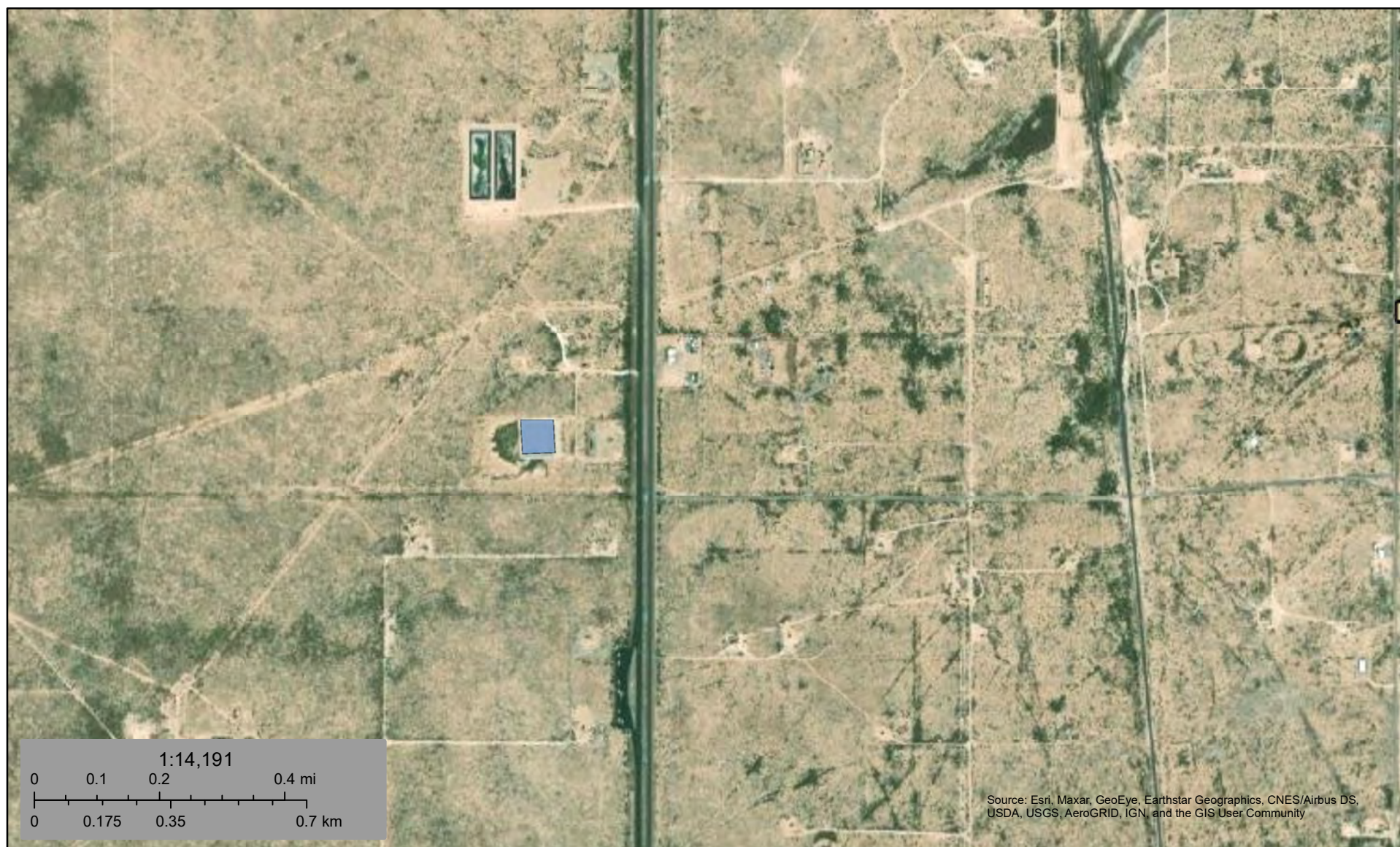
- High
- Kent BSK #1H
- Low
- Medium







## EOG Kent BSK #1H



August 31, 2021

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

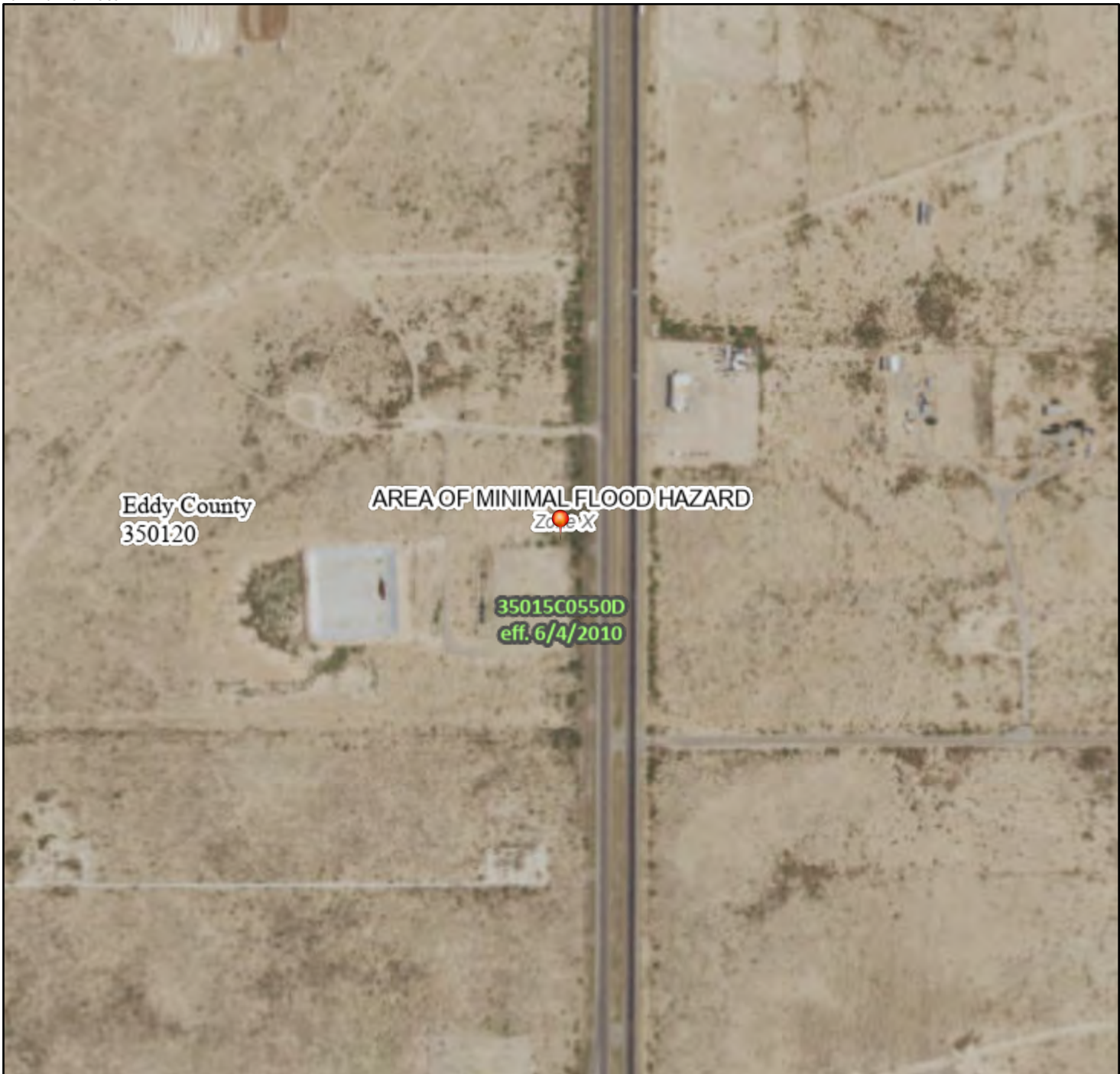
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



# National Flood Hazard Layer FIRMette



104°24'6"W 32°43'55"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/31/2021 at 9:06 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

## Attachment B Photographic Log



View of Excavation Facing North



View of Excavation Facing Northeast



**Site Photograph**  
**Kent BSK #1H Release Site.**

GHD | Report for EOG | 11229794

# Attachment C Laboratory Analytical Reports and Chain-of- Custody Documentation



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

July 08, 2021

Becky Haskell  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX

RE: Kent BSK 1H

OrderNo.: 2107067

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 12 sample(s) on 7/2/2021 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



## Analytical Report

Lab Order: 2107067

Date Reported: 7/8/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107067

Project: Kent BSK 1H

Lab ID: 2107067-001

Collection Date: 7/1/2021 6:45:00 AM

Client Sample ID: HA1-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	170	60		mg/Kg	20	7/6/2021 3:37:24 PM	61120
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/3/2021 10:37:39 AM	61114
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/3/2021 10:37:39 AM	61114
Surr: DNOP	93.4	70-130		%Rec	1	7/3/2021 10:37:39 AM	61114
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/6/2021 1:56:00 PM	61112
Surr: BFB	98.2	70-130		%Rec	1	7/6/2021 1:56:00 PM	61112
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	7/6/2021 1:56:00 PM	61112
Toluene	ND	0.049		mg/Kg	1	7/6/2021 1:56:00 PM	61112
Ethylbenzene	ND	0.049		mg/Kg	1	7/6/2021 1:56:00 PM	61112
Xylenes, Total	ND	0.097		mg/Kg	1	7/6/2021 1:56:00 PM	61112
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	7/6/2021 1:56:00 PM	61112

Lab ID: 2107067-002

Collection Date: 7/1/2021 6:50:00 AM

Client Sample ID: HA1-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	130	60		mg/Kg	20	7/6/2021 11:29:05 PM	61148
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/3/2021 11:01:24 AM	61114
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/3/2021 11:01:24 AM	61114
Surr: DNOP	94.0	70-130		%Rec	1	7/3/2021 11:01:24 AM	61114
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/6/2021 3:56:00 PM	61112
Surr: BFB	105	70-130		%Rec	1	7/6/2021 3:56:00 PM	61112
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	7/6/2021 3:56:00 PM	61112
Toluene	ND	0.048		mg/Kg	1	7/6/2021 3:56:00 PM	61112
Ethylbenzene	ND	0.048		mg/Kg	1	7/6/2021 3:56:00 PM	61112
Xylenes, Total	ND	0.095		mg/Kg	1	7/6/2021 3:56:00 PM	61112
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	7/6/2021 3:56:00 PM	61112

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

**Qualifiers:**

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

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

Page 1 of 13

## Analytical Report

Lab Order: 2107067

Date Reported: 7/8/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107067

Project: Kent BSK 1H

Lab ID: 2107067-003

Collection Date: 7/1/2021 6:55:00 AM

Client Sample ID: HA2-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	15000	600		mg/Kg	200	7/7/2021 2:10:12 PM	61148
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	11	9.9		mg/Kg	1	7/3/2021 11:25:14 AM	61114
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/3/2021 11:25:14 AM	61114
Surr: DNOP	92.9	70-130		%Rec	1	7/3/2021 11:25:14 AM	61114
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/6/2021 4:16:00 PM	61112
Surr: BFB	97.4	70-130		%Rec	1	7/6/2021 4:16:00 PM	61112
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	7/6/2021 4:16:00 PM	61112
Toluene	ND	0.046		mg/Kg	1	7/6/2021 4:16:00 PM	61112
Ethylbenzene	ND	0.046		mg/Kg	1	7/6/2021 4:16:00 PM	61112
Xylenes, Total	ND	0.093		mg/Kg	1	7/6/2021 4:16:00 PM	61112
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	7/6/2021 4:16:00 PM	61112

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

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

## Analytical Report

Lab Order: 2107067

Date Reported: 7/8/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107067

Project: Kent BSK 1H

Lab ID: 2107067-004

Collection Date: 7/1/2021 7:00:00 AM

Client Sample ID: HA2-4

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	84	60		mg/Kg	20	7/6/2021 11:53:55 PM	61148
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/3/2021 11:49:00 AM	61114
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/3/2021 11:49:00 AM	61114
Surr: DNOP	94.0	70-130		%Rec	1	7/3/2021 11:49:00 AM	61114
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/6/2021 4:36:00 PM	61112
Surr: BFB	104	70-130		%Rec	1	7/6/2021 4:36:00 PM	61112
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	7/6/2021 4:36:00 PM	61112
Toluene	ND	0.049		mg/Kg	1	7/6/2021 4:36:00 PM	61112
Ethylbenzene	ND	0.049		mg/Kg	1	7/6/2021 4:36:00 PM	61112
Xylenes, Total	ND	0.097		mg/Kg	1	7/6/2021 4:36:00 PM	61112
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	7/6/2021 4:36:00 PM	61112

Lab ID: 2107067-005

Collection Date: 7/1/2021 7:05:00 AM

Client Sample ID: HA3-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	400	60		mg/Kg	20	7/7/2021 12:06:19 AM	61148
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/3/2021 12:12:49 PM	61114
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/3/2021 12:12:49 PM	61114
Surr: DNOP	96.0	70-130		%Rec	1	7/3/2021 12:12:49 PM	61114
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/6/2021 4:56:00 PM	61112
Surr: BFB	100	70-130		%Rec	1	7/6/2021 4:56:00 PM	61112
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	7/6/2021 4:56:00 PM	61112
Toluene	ND	0.050		mg/Kg	1	7/6/2021 4:56:00 PM	61112
Ethylbenzene	ND	0.050		mg/Kg	1	7/6/2021 4:56:00 PM	61112
Xylenes, Total	ND	0.10		mg/Kg	1	7/6/2021 4:56:00 PM	61112
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	1	7/6/2021 4:56:00 PM	61112

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

**Qualifiers:**

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

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

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## Analytical Report

Lab Order: 2107067

Date Reported: 7/8/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107067

Project: Kent BSK 1H

Lab ID: 2107067-006

Collection Date: 7/1/2021 7:10:00 AM

Client Sample ID: HA3-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/7/2021 12:18:44 AM	61148
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	30	9.9		mg/Kg	1	7/3/2021 12:36:37 PM	61114
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/3/2021 12:36:37 PM	61114
Surr: DNOP	98.3	70-130		%Rec	1	7/3/2021 12:36:37 PM	61114
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/6/2021 5:16:00 PM	61112
Surr: BFB	96.3	70-130		%Rec	1	7/6/2021 5:16:00 PM	61112
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	7/6/2021 5:16:00 PM	61112
Toluene	ND	0.046		mg/Kg	1	7/6/2021 5:16:00 PM	61112
Ethylbenzene	ND	0.046		mg/Kg	1	7/6/2021 5:16:00 PM	61112
Xylenes, Total	ND	0.093		mg/Kg	1	7/6/2021 5:16:00 PM	61112
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	7/6/2021 5:16:00 PM	61112

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

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

## Analytical Report

Lab Order: 2107067

Date Reported: 7/8/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107067

Project: Kent BSK 1H

Lab ID: 2107067-007

Collection Date: 7/1/2021 7:15:00 AM

Client Sample ID: HA4-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/7/2021 12:31:08 AM	61148
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/3/2021 1:00:28 PM	61114
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/3/2021 1:00:28 PM	61114
Surr: DNOP	82.2	70-130		%Rec	1	7/3/2021 1:00:28 PM	61114
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/6/2021 5:36:00 PM	61112
Surr: BFB	93.1	70-130		%Rec	1	7/6/2021 5:36:00 PM	61112
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	7/6/2021 5:36:00 PM	61112
Toluene	ND	0.047		mg/Kg	1	7/6/2021 5:36:00 PM	61112
Ethylbenzene	ND	0.047		mg/Kg	1	7/6/2021 5:36:00 PM	61112
Xylenes, Total	ND	0.095		mg/Kg	1	7/6/2021 5:36:00 PM	61112
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	7/6/2021 5:36:00 PM	61112

Lab ID: 2107067-008

Collection Date: 7/1/2021 7:20:00 AM

Client Sample ID: HA4-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/7/2021 1:08:24 AM	61148
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/3/2021 1:24:26 PM	61114
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/3/2021 1:24:26 PM	61114
Surr: DNOP	97.0	70-130		%Rec	1	7/3/2021 1:24:26 PM	61114
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/6/2021 5:56:00 PM	61112
Surr: BFB	98.4	70-130		%Rec	1	7/6/2021 5:56:00 PM	61112
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	7/6/2021 5:56:00 PM	61112
Toluene	ND	0.046		mg/Kg	1	7/6/2021 5:56:00 PM	61112
Ethylbenzene	ND	0.046		mg/Kg	1	7/6/2021 5:56:00 PM	61112
Xylenes, Total	ND	0.093		mg/Kg	1	7/6/2021 5:56:00 PM	61112
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	1	7/6/2021 5:56:00 PM	61112

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

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

## Analytical Report

Lab Order: 2107067

Date Reported: 7/8/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107067

Project: Kent BSK 1H

Lab ID: 2107067-009

Collection Date: 7/1/2021 8:00:00 AM

Client Sample ID: HA5-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/7/2021 1:20:49 AM	61148
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/3/2021 2:13:44 PM	61114
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/3/2021 2:13:44 PM	61114
Surr: DNOP	93.7	70-130		%Rec	1	7/3/2021 2:13:44 PM	61114
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/6/2021 6:16:00 PM	61112
Surr: BFB	95.0	70-130		%Rec	1	7/6/2021 6:16:00 PM	61112
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	7/6/2021 6:16:00 PM	61112
Toluene	ND	0.048		mg/Kg	1	7/6/2021 6:16:00 PM	61112
Ethylbenzene	ND	0.048		mg/Kg	1	7/6/2021 6:16:00 PM	61112
Xylenes, Total	ND	0.095		mg/Kg	1	7/6/2021 6:16:00 PM	61112
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	7/6/2021 6:16:00 PM	61112

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

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

## Analytical Report

Lab Order: 2107067

Date Reported: 7/8/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107067

Project: Kent BSK 1H

Lab ID: 2107067-010

Collection Date: 7/1/2021 8:10:00 AM

Client Sample ID: HA5-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/7/2021 1:33:14 AM	61148
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/3/2021 2:37:37 PM	61114
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/3/2021 2:37:37 PM	61114
Surr: DNOP	95.6	70-130		%Rec	1	7/3/2021 2:37:37 PM	61114
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/6/2021 6:36:00 PM	61112
Surr: BFB	92.0	70-130		%Rec	1	7/6/2021 6:36:00 PM	61112
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	7/6/2021 6:36:00 PM	61112
Toluene	ND	0.047		mg/Kg	1	7/6/2021 6:36:00 PM	61112
Ethylbenzene	ND	0.047		mg/Kg	1	7/6/2021 6:36:00 PM	61112
Xylenes, Total	ND	0.093		mg/Kg	1	7/6/2021 6:36:00 PM	61112
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	7/6/2021 6:36:00 PM	61112

Lab ID: 2107067-011

Collection Date: 7/1/2021 8:15:00 AM

Client Sample ID: HA6-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/7/2021 1:45:38 AM	61148
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/3/2021 3:01:31 PM	61114
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/3/2021 3:01:31 PM	61114
Surr: DNOP	95.0	70-130		%Rec	1	7/3/2021 3:01:31 PM	61114
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/6/2021 6:56:00 PM	61112
Surr: BFB	102	70-130		%Rec	1	7/6/2021 6:56:00 PM	61112
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	7/6/2021 6:56:00 PM	61112
Toluene	ND	0.048		mg/Kg	1	7/6/2021 6:56:00 PM	61112
Ethylbenzene	ND	0.048		mg/Kg	1	7/6/2021 6:56:00 PM	61112
Xylenes, Total	ND	0.095		mg/Kg	1	7/6/2021 6:56:00 PM	61112
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	7/6/2021 6:56:00 PM	61112

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

**Qualifiers:**

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

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

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## Analytical Report

Lab Order: 2107067

Date Reported: 7/8/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107067

Project: Kent BSK 1H

Lab ID: 2107067-012

Collection Date: 7/1/2021 8:20:00 AM

Client Sample ID: HA6-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	130	60		mg/Kg	20	7/7/2021 1:58:02 AM	61148
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/6/2021 12:58:01 PM	61118
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/6/2021 12:58:01 PM	61118
Surr: DNOP	101	70-130		%Rec	1	7/6/2021 12:58:01 PM	61118
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/6/2021 8:56:00 PM	61115
Surr: BFB	101	70-130		%Rec	1	7/6/2021 8:56:00 PM	61115
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	7/6/2021 8:56:00 PM	61115
Toluene	ND	0.049		mg/Kg	1	7/6/2021 8:56:00 PM	61115
Ethylbenzene	ND	0.049		mg/Kg	1	7/6/2021 8:56:00 PM	61115
Xylenes, Total	ND	0.099		mg/Kg	1	7/6/2021 8:56:00 PM	61115
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	1	7/6/2021 8:56:00 PM	61115

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107067

08-Jul-21

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>LCS-61120</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61120</b>	RunNo: <b>79587</b>								
Prep Date: <b>7/6/2021</b>	Analysis Date: <b>7/6/2021</b>	SeqNo: <b>2799387</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.3	90	110			

Sample ID: <b>MB-61120</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61120</b>	RunNo: <b>79587</b>								
Prep Date: <b>7/6/2021</b>	Analysis Date: <b>7/6/2021</b>	SeqNo: <b>2799388</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>MB-61148</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61148</b>	RunNo: <b>79587</b>								
Prep Date: <b>7/6/2021</b>	Analysis Date: <b>7/6/2021</b>	SeqNo: <b>2799455</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61148</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61148</b>	RunNo: <b>79587</b>								
Prep Date: <b>7/6/2021</b>	Analysis Date: <b>7/6/2021</b>	SeqNo: <b>2799456</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.8	90	110			

**Qualifiers:**

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

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

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107067

08-Jul-21

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>MB-61114</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61114</b>	RunNo: <b>79559</b>								
Prep Date: <b>7/2/2021</b>	Analysis Date: <b>7/3/2021</b>	SeqNo: <b>2797735</b> Units: <b>mg/Kg</b>								
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	13		10.00		127	70	130			

Sample ID: <b>LCS-61114</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61114</b>	RunNo: <b>79559</b>								
Prep Date: <b>7/2/2021</b>	Analysis Date: <b>7/3/2021</b>	SeqNo: <b>2797736</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	68.9	141			
Surr: DNOP	5.8		5.000		115	70	130			

Sample ID: <b>MB-61118</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61118</b>	RunNo: <b>79594</b>								
Prep Date: <b>7/3/2021</b>	Analysis Date: <b>7/6/2021</b>	SeqNo: <b>2799172</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	70	130			

Sample ID: <b>LCS-61118</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61118</b>	RunNo: <b>79594</b>								
Prep Date: <b>7/3/2021</b>	Analysis Date: <b>7/6/2021</b>	SeqNo: <b>2799173</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.7	68.9	141			
Surr: DNOP	5.2		5.000		104	70	130			

**Qualifiers:**

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107067

08-Jul-21

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>mb-61112</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>61112</b>		RunNo: <b>79580</b>							
Prep Date: <b>7/2/2021</b>	Analysis Date: <b>7/6/2021</b>		SeqNo: <b>2799568</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	70	130			

Sample ID: <b>mb-61115</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>61115</b>		RunNo: <b>79580</b>							
Prep Date: <b>7/2/2021</b>	Analysis Date: <b>7/6/2021</b>		SeqNo: <b>2799569</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	70	130			

Sample ID: <b>lcs-61112</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>61112</b>		RunNo: <b>79580</b>							
Prep Date: <b>7/2/2021</b>	Analysis Date: <b>7/6/2021</b>		SeqNo: <b>2799570</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.9	78.6	131			
Surr: BFB	1100		1000		114	70	130			

Sample ID: <b>lcs-61115</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>61115</b>		RunNo: <b>79580</b>							
Prep Date: <b>7/2/2021</b>	Analysis Date: <b>7/6/2021</b>		SeqNo: <b>2799571</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.5	78.6	131			
Surr: BFB	1100		1000		107	70	130			

Sample ID: <b>2107067-012ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>HA6-2</b>	Batch ID: <b>61115</b>		RunNo: <b>79580</b>							
Prep Date: <b>7/2/2021</b>	Analysis Date: <b>7/6/2021</b>		SeqNo: <b>2799573</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.8	24.13	0	89.4	61.3	114			
Surr: BFB	990		965.3		103	70	130			

Sample ID: <b>2107067-012amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>HA6-2</b>	Batch ID: <b>61115</b>		RunNo: <b>79580</b>							
Prep Date: <b>7/2/2021</b>	Analysis Date: <b>7/6/2021</b>		SeqNo: <b>2799575</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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

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

Page 11 of 13



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2107067  
08-Jul-21

Client: GHD Midland  
Project: Kent BSK 1H

Sample ID: 2107067-012amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: HA6-2		Batch ID: 61115		RunNo: 79580						
Prep Date: 7/2/2021		Analysis Date: 7/6/2021		SeqNo: 2799575		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.6	23.17	0	88.6	61.3	114	4.92	20	
Surr: BFB	1000		926.8		108	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
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107067

08-Jul-21

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>mb-61112</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61112</b>	RunNo: <b>79580</b>								
Prep Date: <b>7/2/2021</b>	Analysis Date: <b>7/6/2021</b>	SeqNo: <b>2799581</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.0	70	130			

Sample ID: <b>mb-61115</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61115</b>	RunNo: <b>79580</b>								
Prep Date: <b>7/2/2021</b>	Analysis Date: <b>7/6/2021</b>	SeqNo: <b>2799582</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.5	70	130			

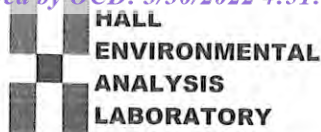
Sample ID: <b>lcs-61112</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61112</b>	RunNo: <b>79580</b>								
Prep Date: <b>7/2/2021</b>	Analysis Date: <b>7/6/2021</b>	SeqNo: <b>2799583</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.4	80	120			
Toluene	0.95	0.050	1.000	0	95.5	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.1	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.9	70	130			

Sample ID: <b>lcs-61115</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61115</b>	RunNo: <b>79580</b>								
Prep Date: <b>7/2/2021</b>	Analysis Date: <b>7/6/2021</b>	SeqNo: <b>2799584</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	99.3	80	120			
Toluene	0.99	0.050	1.000	0	99.0	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		92.2	70	130			

**Qualifiers:**

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

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



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

## Sample Log-In Check List

Client Name: GHD

Work Order Number: 2107067

RcptNo: 1

Received By: Juan Rojas

7/2/2021 7:30:00 AM

*Juan Rojas*

Completed By: Cheyenne Cason

7/2/2021 8:07:00 AM

*Cason*

Reviewed By:

*SPA 7-2-21*Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

(&lt;2 or &gt;12 unless noted)

Adjusted?

Checked by: *T.C. 7-2-21*Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via:

☐ eMail☐ Phone☐ Fax☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good				



## Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Kent BSK #1H

Project #:

11229794

Project Manager:

Becky Haskell

Tom Larson

Sampler:

Zach Comino

On Ice:

☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 1.6-0-1.6

Container Type and #

Jaw

Preservative Type

21070267

HEAL No.

001

002

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Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

July 22, 2021

Tom Larson  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX:

RE: Kent BSK 1H

OrderNo.: 2107837

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 7/16/2021 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order: 2107837

Date Reported: 7/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107837

Project: Kent BSK 1H

Lab ID: 2107837-001

Collection Date: 7/14/2021 11:30:00 AM

Client Sample ID: HA7-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/22/2021 5:57:03 AM	61462
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/20/2021 7:28:08 PM	61405
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/20/2021 7:28:08 PM	61405
Surr: DNOP	87.4	70-130		%Rec	1	7/20/2021 7:28:08 PM	61405
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/20/2021 2:42:42 AM	61386
Surr: BFB	94.8	70-130		%Rec	1	7/20/2021 2:42:42 AM	61386
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/20/2021 2:42:42 AM	61386
Toluene	ND	0.049		mg/Kg	1	7/20/2021 2:42:42 AM	61386
Ethylbenzene	ND	0.049		mg/Kg	1	7/20/2021 2:42:42 AM	61386
Xylenes, Total	ND	0.097		mg/Kg	1	7/20/2021 2:42:42 AM	61386
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	7/20/2021 2:42:42 AM	61386

Lab ID: 2107837-002

Collection Date: 7/14/2021 11:40:00 AM

Client Sample ID: HA7-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	140	60		mg/Kg	20	7/22/2021 6:09:27 AM	61462
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/20/2021 7:39:54 PM	61405
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/20/2021 7:39:54 PM	61405
Surr: DNOP	106	70-130		%Rec	1	7/20/2021 7:39:54 PM	61405
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/20/2021 3:06:06 AM	61386
Surr: BFB	95.5	70-130		%Rec	1	7/20/2021 3:06:06 AM	61386
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/20/2021 3:06:06 AM	61386
Toluene	ND	0.049		mg/Kg	1	7/20/2021 3:06:06 AM	61386
Ethylbenzene	ND	0.049		mg/Kg	1	7/20/2021 3:06:06 AM	61386
Xylenes, Total	ND	0.097		mg/Kg	1	7/20/2021 3:06:06 AM	61386
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/20/2021 3:06:06 AM	61386

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

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



**Analytical Report**Lab Order: **2107837**Date Reported: **7/22/2021****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** GHD Midland**Lab Order:** 2107837**Project:** Kent BSK 1H

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

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

Page 2 of 6

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107837

23-Jul-21

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>MB-61462</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61462</b>	RunNo: <b>79956</b>								
Prep Date: <b>7/21/2021</b>	Analysis Date: <b>7/22/2021</b>	SeqNo: <b>2813957</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61462</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61462</b>	RunNo: <b>79956</b>								
Prep Date: <b>7/21/2021</b>	Analysis Date: <b>7/22/2021</b>	SeqNo: <b>2813958</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.4	90	110			

**Qualifiers:**

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

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

Page 3 of 6

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107837

23-Jul-21

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>MB-61405</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>61405</b>		RunNo: <b>79945</b>							
Prep Date: <b>7/19/2021</b>	Analysis Date: <b>7/20/2021</b>		SeqNo: <b>2813316</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	70	130			

Sample ID: <b>LCS-61405</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>61405</b>		RunNo: <b>79945</b>							
Prep Date: <b>7/19/2021</b>	Analysis Date: <b>7/20/2021</b>		SeqNo: <b>2813318</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	80.2	68.9	141			
Surr: DNOP	4.6		5.000		91.9	70	130			

**Qualifiers:**

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

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

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107837

23-Jul-21

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>mb-61362</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>61362</b>		RunNo: <b>79883</b>							
Prep Date: <b>7/15/2021</b>	Analysis Date: <b>7/19/2021</b>		SeqNo: <b>2810954</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		96.5	70	130			

Sample ID: <b>lcs-61362</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>61362</b>		RunNo: <b>79883</b>							
Prep Date: <b>7/15/2021</b>	Analysis Date: <b>7/19/2021</b>		SeqNo: <b>2810955</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		107	70	130			

Sample ID: <b>mb-61386</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>61386</b>		RunNo: <b>79883</b>							
Prep Date: <b>7/17/2021</b>	Analysis Date: <b>7/20/2021</b>		SeqNo: <b>2810968</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		94.1	70	130			

Sample ID: <b>lcs-61386</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>61386</b>		RunNo: <b>79883</b>							
Prep Date: <b>7/17/2021</b>	Analysis Date: <b>7/19/2021</b>		SeqNo: <b>2810969</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.5	78.6	131			
Surr: BFB	1100		1000		110	70	130			

**Qualifiers:**

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

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

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107837

23-Jul-21

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>mb-61362</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>61362</b>			RunNo: <b>79883</b>						
Prep Date: <b>7/15/2021</b>	Analysis Date: <b>7/19/2021</b>			SeqNo: <b>2811008</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.99		1.000		98.8	70	130			

Sample ID: <b>LCS-61362</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>61362</b>			RunNo: <b>79883</b>						
Prep Date: <b>7/15/2021</b>	Analysis Date: <b>7/19/2021</b>			SeqNo: <b>2811009</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: <b>mb-61386</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>61386</b>			RunNo: <b>79883</b>						
Prep Date: <b>7/17/2021</b>	Analysis Date: <b>7/20/2021</b>			SeqNo: <b>2811025</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.2	70	130			

Sample ID: <b>LCS-61386</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>61386</b>			RunNo: <b>79883</b>						
Prep Date: <b>7/17/2021</b>	Analysis Date: <b>7/19/2021</b>			SeqNo: <b>2811026</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.7	80	120			
Toluene	0.98	0.050	1.000	0	97.8	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

**Qualifiers:**

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

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

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

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2107837

RcptNo: 1

Received By: Cheyenne Cason

7/16/2021 7:40:00 AM

Completed By: Isaiah Ortiz

7/16/2021 9:18:59 AM

Reviewed By: KPG 7/16/21

### Chain of Custody

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

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: PR 7/16/21

### Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.4	Good	Not Present			







Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

August 03, 2021

Becky Haskell  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX:

RE: Kent BSK 1H

OrderNo.: 2107D77

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 8 sample(s) on 7/28/2021 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2107D77

Date Reported: 8/3/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP1-2

Project: Kent BSK 1H

Collection Date: 7/26/2021 8:20:00 AM

Lab ID: 2107D77-001

Matrix: SOIL

Received Date: 7/28/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2500	150		mg/Kg	50	8/2/2021 8:03:18 AM	61667
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	15	9.3		mg/Kg	1	7/29/2021 7:33:46 PM	61629
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/29/2021 7:33:46 PM	61629
Surr: DNOP	88.1	70-130		%Rec	1	7/29/2021 7:33:46 PM	61629
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/29/2021 6:18:00 PM	61624
Surr: BFB	103	70-130		%Rec	1	7/29/2021 6:18:00 PM	61624
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	7/29/2021 6:18:00 PM	61624
Toluene	ND	0.050		mg/Kg	1	7/29/2021 6:18:00 PM	61624
Ethylbenzene	ND	0.050		mg/Kg	1	7/29/2021 6:18:00 PM	61624
Xylenes, Total	ND	0.099		mg/Kg	1	7/29/2021 6:18:00 PM	61624
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	7/29/2021 6:18:00 PM	61624

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

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

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## Analytical Report

Lab Order 2107D77

Date Reported: 8/3/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP1-8

Project: Kent BSK 1H

Collection Date: 7/26/2021 8:40:00 AM

Lab ID: 2107D77-002

Matrix: SOIL

Received Date: 7/28/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	20000	1500		mg/Kg	500	8/2/2021 8:15:43 AM	61667
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/29/2021 7:45:49 PM	61629
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/29/2021 7:45:49 PM	61629
Surr: DNOP	89.1	70-130		%Rec	1	7/29/2021 7:45:49 PM	61629
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/29/2021 6:38:00 PM	61624
Surr: BFB	108	70-130		%Rec	1	7/29/2021 6:38:00 PM	61624
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	7/29/2021 6:38:00 PM	61624
Toluene	ND	0.046		mg/Kg	1	7/29/2021 6:38:00 PM	61624
Ethylbenzene	ND	0.046		mg/Kg	1	7/29/2021 6:38:00 PM	61624
Xylenes, Total	ND	0.093		mg/Kg	1	7/29/2021 6:38:00 PM	61624
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	7/29/2021 6:38:00 PM	61624

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

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

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## Analytical Report

Lab Order 2107D77

Date Reported: 8/3/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP1-16

Project: Kent BSK 1H

Collection Date: 7/26/2021 9:10:00 AM

Lab ID: 2107D77-003

Matrix: SOIL

Received Date: 7/28/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	17000	600		mg/Kg	200	8/2/2021 8:28:09 AM	61667
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/29/2021 7:57:43 PM	61629
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/29/2021 7:57:43 PM	61629
Surr: DNOP	89.3	70-130		%Rec	1	7/29/2021 7:57:43 PM	61629
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/29/2021 6:58:00 PM	61624
Surr: BFB	106	70-130		%Rec	1	7/29/2021 6:58:00 PM	61624
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	7/29/2021 6:58:00 PM	61624
Toluene	ND	0.049		mg/Kg	1	7/29/2021 6:58:00 PM	61624
Ethylbenzene	ND	0.049		mg/Kg	1	7/29/2021 6:58:00 PM	61624
Xylenes, Total	ND	0.097		mg/Kg	1	7/29/2021 6:58:00 PM	61624
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	7/29/2021 6:58:00 PM	61624

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

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

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## Analytical Report

Lab Order 2107D77

Date Reported: 8/3/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP1-20

Project: Kent BSK 1H

Collection Date: 7/26/2021 9:25:00 AM

Lab ID: 2107D77-004

Matrix: SOIL

Received Date: 7/28/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	12000	600		mg/Kg	200	8/2/2021 8:40:33 AM	61667
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/29/2021 8:09:49 PM	61629
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/29/2021 8:09:49 PM	61629
Surr: DNOP	84.9	70-130		%Rec	1	7/29/2021 8:09:49 PM	61629
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/29/2021 7:18:00 PM	61624
Surr: BFB	101	70-130		%Rec	1	7/29/2021 7:18:00 PM	61624
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	7/29/2021 7:18:00 PM	61624
Toluene	ND	0.050		mg/Kg	1	7/29/2021 7:18:00 PM	61624
Ethylbenzene	ND	0.050		mg/Kg	1	7/29/2021 7:18:00 PM	61624
Xylenes, Total	ND	0.099		mg/Kg	1	7/29/2021 7:18:00 PM	61624
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	7/29/2021 7:18:00 PM	61624

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

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

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## Analytical Report

Lab Order 2107D77

Date Reported: 8/3/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP2-2

Project: Kent BSK 1H

Collection Date: 7/26/2021 9:40:00 AM

Lab ID: 2107D77-005

Matrix: SOIL

Received Date: 7/28/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	160	60		mg/Kg	20	7/30/2021 4:59:30 PM	61667
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/29/2021 8:21:42 PM	61629
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/29/2021 8:21:42 PM	61629
Surr: DNOP	86.2	70-130		%Rec	1	7/29/2021 8:21:42 PM	61629
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/29/2021 7:38:00 PM	61624
Surr: BFB	101	70-130		%Rec	1	7/29/2021 7:38:00 PM	61624
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	7/29/2021 7:38:00 PM	61624
Toluene	ND	0.049		mg/Kg	1	7/29/2021 7:38:00 PM	61624
Ethylbenzene	ND	0.049		mg/Kg	1	7/29/2021 7:38:00 PM	61624
Xylenes, Total	ND	0.099		mg/Kg	1	7/29/2021 7:38:00 PM	61624
Surr: 4-Bromofluorobenzene	87.1	70-130		%Rec	1	7/29/2021 7:38:00 PM	61624

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

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

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## Analytical Report

Lab Order 2107D77

Date Reported: 8/3/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP2-6

Project: Kent BSK 1H

Collection Date: 7/26/2021 9:50:00 AM

Lab ID: 2107D77-006

Matrix: SOIL

Received Date: 7/28/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	14000	600		mg/Kg	200	8/2/2021 8:52:58 AM	61667
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/29/2021 8:33:41 PM	61629
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/29/2021 8:33:41 PM	61629
Surr: DNOP	90.0	70-130		%Rec	1	7/29/2021 8:33:41 PM	61629
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/29/2021 7:58:00 PM	61624
Surr: BFB	105	70-130		%Rec	1	7/29/2021 7:58:00 PM	61624
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	7/29/2021 7:58:00 PM	61624
Toluene	ND	0.048		mg/Kg	1	7/29/2021 7:58:00 PM	61624
Ethylbenzene	ND	0.048		mg/Kg	1	7/29/2021 7:58:00 PM	61624
Xylenes, Total	ND	0.096		mg/Kg	1	7/29/2021 7:58:00 PM	61624
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	7/29/2021 7:58:00 PM	61624

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

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

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## Analytical Report

Lab Order 2107D77

Date Reported: 8/3/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP2-14

Project: Kent BSK 1H

Collection Date: 7/26/2021 10:05:00 AM

Lab ID: 2107D77-007

Matrix: SOIL

Received Date: 7/28/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	16000	1500		mg/Kg	500	8/2/2021 9:05:23 AM	61667
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/29/2021 8:45:41 PM	61629
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/29/2021 8:45:41 PM	61629
Surr: DNOP	84.1	70-130		%Rec	1	7/29/2021 8:45:41 PM	61629
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/29/2021 8:18:00 PM	61624
Surr: BFB	98.7	70-130		%Rec	1	7/29/2021 8:18:00 PM	61624
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	7/29/2021 8:18:00 PM	61624
Toluene	ND	0.049		mg/Kg	1	7/29/2021 8:18:00 PM	61624
Ethylbenzene	ND	0.049		mg/Kg	1	7/29/2021 8:18:00 PM	61624
Xylenes, Total	ND	0.098		mg/Kg	1	7/29/2021 8:18:00 PM	61624
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	7/29/2021 8:18:00 PM	61624

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

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

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## Analytical Report

Lab Order 2107D77

Date Reported: 8/3/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP2-20

Project: Kent BSK 1H

Collection Date: 7/26/2021 10:25:00 AM

Lab ID: 2107D77-008

Matrix: SOIL

Received Date: 7/28/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	12000	600		mg/Kg	200	8/2/2021 9:17:48 AM	61667
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/29/2021 8:57:38 PM	61629
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/29/2021 8:57:38 PM	61629
Surr: DNOP	88.4	70-130		%Rec	1	7/29/2021 8:57:38 PM	61629
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/29/2021 8:38:00 PM	61624
Surr: BFB	99.0	70-130		%Rec	1	7/29/2021 8:38:00 PM	61624
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	7/29/2021 8:38:00 PM	61624
Toluene	ND	0.050		mg/Kg	1	7/29/2021 8:38:00 PM	61624
Ethylbenzene	ND	0.050		mg/Kg	1	7/29/2021 8:38:00 PM	61624
Xylenes, Total	ND	0.099		mg/Kg	1	7/29/2021 8:38:00 PM	61624
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	7/29/2021 8:38:00 PM	61624

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

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

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# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2107D77

03-Aug-21

Client: GHD Midland

Project: Kent BSK 1H

Sample ID: <b>MB-61667</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61667</b>	RunNo: <b>80201</b>								
Prep Date: <b>7/30/2021</b>	Analysis Date: <b>7/30/2021</b>	SeqNo: <b>2825340</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61667</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61667</b>	RunNo: <b>80201</b>								
Prep Date: <b>7/30/2021</b>	Analysis Date: <b>7/30/2021</b>	SeqNo: <b>2825341</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.4	90	110			

### Qualifiers:

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

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

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107D77

03-Aug-21

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>LCS-61630</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61630</b>	RunNo: <b>80161</b>								
Prep Date: <b>7/28/2021</b>	Analysis Date: <b>7/29/2021</b>	SeqNo: <b>2822988</b>			Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.6		5.000		113	70	130			

Sample ID: <b>MB-61630</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61630</b>	RunNo: <b>80161</b>								
Prep Date: <b>7/28/2021</b>	Analysis Date: <b>7/29/2021</b>	SeqNo: <b>2822989</b>			Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		117	70	130			

Sample ID: <b>MB-61629</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61629</b>	RunNo: <b>80169</b>								
Prep Date: <b>7/28/2021</b>	Analysis Date: <b>7/29/2021</b>	SeqNo: <b>2824531</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.8	70	130			

Sample ID: <b>LCS-61629</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61629</b>	RunNo: <b>80169</b>								
Prep Date: <b>7/28/2021</b>	Analysis Date: <b>7/29/2021</b>	SeqNo: <b>2824532</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.3	68.9	141			
Surr: DNOP	3.9		5.000		78.5	70	130			

**Qualifiers:**

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

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



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107D77

03-Aug-21

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>mb-61624</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61624</b>	RunNo: <b>80168</b>								
Prep Date: <b>7/28/2021</b>	Analysis Date: <b>7/29/2021</b>	SeqNo: <b>2824279</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		112	70	130			

Sample ID: <b>lcs-61624</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61624</b>	RunNo: <b>80168</b>								
Prep Date: <b>7/28/2021</b>	Analysis Date: <b>7/29/2021</b>	SeqNo: <b>2824283</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	78.6	131			
Surr: BFB	1100		1000		114	70	130			

**Qualifiers:**

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

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

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107D77

03-Aug-21

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>mb-61624</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61624</b>	RunNo: <b>80168</b>								
Prep Date: <b>7/28/2021</b>	Analysis Date: <b>7/29/2021</b>	SeqNo: <b>2824322</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.1	70	130			

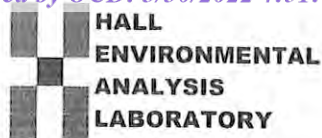
Sample ID: <b>lcs-61624</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61624</b>	RunNo: <b>80168</b>								
Prep Date: <b>7/28/2021</b>	Analysis Date: <b>7/29/2021</b>	SeqNo: <b>2824324</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.6	80	120			
Toluene	0.99	0.050	1.000	0	98.5	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.9	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.2	70	130			

**Qualifiers:**

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

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

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

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2107D77

RcptNo: 1

Received By: Cheyenne Cason 7/28/2021 7:30:00 AM

Completed By: Desiree Dominguez 7/28/2021 8:16:54 AM

Reviewed By: KPG 7/28/21

Cason

Dominguez

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH:   
 ( $\leq 2$  or  $>12$  unless noted)  
Adjusted?  
Checked by: TME 7-28-21

Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.9	Good				

## Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard☐ Rush

Project Name:

Kent BSK #1H

Project #:

11229794

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 1.0 -0.1 -0.9

Container Type and #

Preservative Type

HEAL No. 2107077

-001

-002

-003

-004

-005

-006

-007

-008

-001

-002

-003

-004

-005

-006

-007

-008

-001

-002

-003

-004

-005

-006

-007

-008

-001

-002

-003

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Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

March 15, 2022

Tom Larson  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX:

RE: Kent BSK 1H

OrderNo.: 2203195

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 6 sample(s) on 3/2/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2203195

Date Reported: 3/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-1

Project: Kent BSK 1H

Collection Date: 3/1/2022 9:30:00 AM

Lab ID: 2203195-001

Matrix: SOIL

Received Date: 3/2/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	150	60		mg/Kg	20	3/8/2022 3:15:40 PM	66014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/7/2022 10:17:24 PM	65985
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/7/2022 10:17:24 PM	65985
Surr: DNOP	98.4	51.1-141		%Rec	1	3/7/2022 10:17:24 PM	65985
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/5/2022 6:44:00 PM	65929
Surr: BFB	107	70-130		%Rec	1	3/5/2022 6:44:00 PM	65929
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	3/5/2022 6:44:00 PM	65929
Toluene	ND	0.047		mg/Kg	1	3/5/2022 6:44:00 PM	65929
Ethylbenzene	ND	0.047		mg/Kg	1	3/5/2022 6:44:00 PM	65929
Xylenes, Total	ND	0.094		mg/Kg	1	3/5/2022 6:44:00 PM	65929
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	3/5/2022 6:44:00 PM	65929

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

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

## Analytical Report

Lab Order 2203195

Date Reported: 3/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-1

Project: Kent BSK 1H

Collection Date: 3/1/2022 9:40:00 AM

Lab ID: 2203195-002

Matrix: SOIL

Received Date: 3/2/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	310	60		mg/Kg	20	3/8/2022 3:52:43 PM	66014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/7/2022 10:41:30 PM	65985
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/7/2022 10:41:30 PM	65985
Surr: DNOP	100	51.1-141		%Rec	1	3/7/2022 10:41:30 PM	65985
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/5/2022 7:04:00 PM	65929
Surr: BFB	106	70-130		%Rec	1	3/5/2022 7:04:00 PM	65929
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/5/2022 7:04:00 PM	65929
Toluene	ND	0.049		mg/Kg	1	3/5/2022 7:04:00 PM	65929
Ethylbenzene	ND	0.049		mg/Kg	1	3/5/2022 7:04:00 PM	65929
Xylenes, Total	ND	0.097		mg/Kg	1	3/5/2022 7:04:00 PM	65929
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	3/5/2022 7:04:00 PM	65929

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

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

## Analytical Report

Lab Order 2203195

Date Reported: 3/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-2

Project: Kent BSK 1H

Collection Date: 3/1/2022 9:50:00 AM

Lab ID: 2203195-003

Matrix: SOIL

Received Date: 3/2/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	8000	300		mg/Kg	100	3/9/2022 9:32:11 PM	66014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/7/2022 11:05:24 PM	65985
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/7/2022 11:05:24 PM	65985
Surr: DNOP	104	51.1-141		%Rec	1	3/7/2022 11:05:24 PM	65985
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/5/2022 7:24:00 PM	65929
Surr: BFB	108	70-130		%Rec	1	3/5/2022 7:24:00 PM	65929
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/5/2022 7:24:00 PM	65929
Toluene	ND	0.048		mg/Kg	1	3/5/2022 7:24:00 PM	65929
Ethylbenzene	ND	0.048		mg/Kg	1	3/5/2022 7:24:00 PM	65929
Xylenes, Total	ND	0.097		mg/Kg	1	3/5/2022 7:24:00 PM	65929
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	3/5/2022 7:24:00 PM	65929

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2203195

Date Reported: 3/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-2

Project: Kent BSK 1H

Collection Date: 3/1/2022 10:20:00 AM

Lab ID: 2203195-004

Matrix: SOIL

Received Date: 3/2/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	140	60		mg/Kg	20	3/8/2022 4:17:24 PM	66014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/7/2022 11:29:26 PM	65985
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/7/2022 11:29:26 PM	65985
Surr: DNOP	104	51.1-141		%Rec	1	3/7/2022 11:29:26 PM	65985
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/5/2022 7:44:00 PM	65929
Surr: BFB	100	70-130		%Rec	1	3/5/2022 7:44:00 PM	65929
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/5/2022 7:44:00 PM	65929
Toluene	ND	0.047		mg/Kg	1	3/5/2022 7:44:00 PM	65929
Ethylbenzene	ND	0.047		mg/Kg	1	3/5/2022 7:44:00 PM	65929
Xylenes, Total	ND	0.095		mg/Kg	1	3/5/2022 7:44:00 PM	65929
Surr: 4-Bromofluorobenzene	87.7	70-130		%Rec	1	3/5/2022 7:44:00 PM	65929

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

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



## Analytical Report

Lab Order 2203195

Date Reported: 3/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-3

Project: Kent BSK 1H

Collection Date: 3/1/2022 11:10:00 AM

Lab ID: 2203195-005

Matrix: SOIL

Received Date: 3/2/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	200	61		mg/Kg	20	3/8/2022 4:29:44 PM	66014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/7/2022 11:53:19 PM	65985
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/7/2022 11:53:19 PM	65985
Surr: DNOP	99.8	51.1-141		%Rec	1	3/7/2022 11:53:19 PM	65985
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/5/2022 8:04:00 PM	65929
Surr: BFB	103	70-130		%Rec	1	3/5/2022 8:04:00 PM	65929
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	3/5/2022 8:04:00 PM	65929
Toluene	ND	0.046		mg/Kg	1	3/5/2022 8:04:00 PM	65929
Ethylbenzene	ND	0.046		mg/Kg	1	3/5/2022 8:04:00 PM	65929
Xylenes, Total	ND	0.093		mg/Kg	1	3/5/2022 8:04:00 PM	65929
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	3/5/2022 8:04:00 PM	65929

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

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

## Analytical Report

Lab Order 2203195

Date Reported: 3/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-4

Project: Kent BSK 1H

Collection Date: 3/1/2022 11:45:00 AM

Lab ID: 2203195-006

Matrix: SOIL

Received Date: 3/2/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	3000	150		mg/Kg	50	3/9/2022 9:44:35 PM	66014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	75	9.8		mg/Kg	1	3/8/2022 12:17:11 AM	65985
Motor Oil Range Organics (MRO)	58	49		mg/Kg	1	3/8/2022 12:17:11 AM	65985
Surr: DNOP	107	51.1-141		%Rec	1	3/8/2022 12:17:11 AM	65985
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	3/5/2022 8:24:00 PM	65929
Surr: BFB	104	70-130		%Rec	5	3/5/2022 8:24:00 PM	65929
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	3/5/2022 8:24:00 PM	65929
Toluene	ND	0.25		mg/Kg	5	3/5/2022 8:24:00 PM	65929
Ethylbenzene	ND	0.25		mg/Kg	5	3/5/2022 8:24:00 PM	65929
Xylenes, Total	ND	0.49		mg/Kg	5	3/5/2022 8:24:00 PM	65929
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	5	3/5/2022 8:24:00 PM	65929

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203195

15-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>MB-66014</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>66014</b>		RunNo: <b>86321</b>							
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/8/2022</b>		SeqNo: <b>3044969</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-66014</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>66014</b>		RunNo: <b>86321</b>							
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/8/2022</b>		SeqNo: <b>3044970</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.0	90	110			

**Qualifiers:**

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203195

15-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>MB-65985</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65985</b>	RunNo: <b>86278</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/7/2022</b>	SeqNo: <b>3043868</b>	Units: <b>mg/Kg</b>							
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		111	51.1	141			

Sample ID: <b>LCS-65985</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65985</b>	RunNo: <b>86278</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/7/2022</b>	SeqNo: <b>3043869</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.4	68.9	135			
Surr: DNOP	5.0		5.000		99.9	51.1	141			

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203195

15-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>ics-65929</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65929</b>			RunNo: <b>86257</b>						
Prep Date: <b>3/3/2022</b>	Analysis Date: <b>3/5/2022</b>			SeqNo: <b>3041862</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	116	78.6	131			
Surr: BFB	1100		1000		112	70	130			

Sample ID: <b>mb-65929</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>65929</b>			RunNo: <b>86257</b>						
Prep Date: <b>3/3/2022</b>	Analysis Date: <b>3/5/2022</b>			SeqNo: <b>3041863</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	70	130			

**Qualifiers:**

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



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203195

15-Mar-22

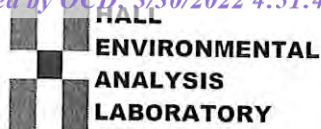
**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>lcs-65929</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65929</b>			RunNo: <b>86257</b>						
Prep Date: <b>3/3/2022</b>	Analysis Date: <b>3/5/2022</b>			SeqNo: <b>3041916</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.2	80	120			
Toluene	0.93	0.050	1.000	0	93.3	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.8	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.1	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		86.0	70	130			

Sample ID: <b>mb-65929</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>65929</b>			RunNo: <b>86257</b>						
Prep Date: <b>3/3/2022</b>	Analysis Date: <b>3/5/2022</b>			SeqNo: <b>3041917</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		87.9	70	130			

**Qualifiers:**

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



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

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2203195

RcptNo: 1

Received By: Sean Livingston

3/2/2022 8:10:00 AM

Completed By: Tracy Casarrubias

3/3/2022 9:07:07 AM

Reviewed By: *jr 3/3/22*Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐  
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐  
5. Sample(s) in proper container(s)? Yes ☒ No ☐  
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐  
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐  
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐  
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒  
10. Were any sample containers received broken? Yes ☐ No ☒  
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐  
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐  
13. Is it clear what analyses were requested? Yes ☒ No ☐  
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH: *( $<2$  or  $>12$  unless noted)*  
Adjusted? *Checked by: *Ch 3/3/22**

Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Yes			
2	1.2	Good	Yes			

## Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard ☒ Rush 5-day

Project Name:

Kent BSK #1H

Project #:

11229794

Project Manager:

Becky Haskell

Tom Larson

Sampler:

Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 1.4 ± 0.2 / 1.4 ± 0.2

Container Type and #

Preservative Type

HEAL No.

2203195

001

002

003

004

005

006

Date Time Matrix Sample Name

03/22/2022 0930

S

SW-1

03/22/2022 0940

BH-1

03/22/2022 0950

BH-2

03/22/2022 1020

SW-2

03/22/2022 1110

BH-3

03/22/2022 1145

BH-4





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

March 15, 2022

Tom Larson  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX:

RE: Kent BSK 1H

OrderNo.: 2203304

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/4/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2203304

Date Reported: 3/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-5

Project: Kent BSK 1H

Collection Date: 3/2/2022 1:45:00 PM

Lab ID: 2203304-001

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	12000	600		mg/Kg	200	3/11/2022 3:40:13 PM	66099
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	23	9.5		mg/Kg	1	3/9/2022 7:17:23 AM	65995
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/9/2022 7:17:23 AM	65995
Surr: DNOP	89.7	51.1-141		%Rec	1	3/9/2022 7:17:23 AM	65995
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/9/2022 3:50:00 PM	65989
Surr: BFB	103	70-130		%Rec	1	3/9/2022 3:50:00 PM	65989
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/9/2022 3:50:00 PM	65989
Toluene	ND	0.050		mg/Kg	1	3/9/2022 3:50:00 PM	65989
Ethylbenzene	ND	0.050		mg/Kg	1	3/9/2022 3:50:00 PM	65989
Xylenes, Total	ND	0.10		mg/Kg	1	3/9/2022 3:50:00 PM	65989
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	3/9/2022 3:50:00 PM	65989

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

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

Page 1 of 6



## Analytical Report

Lab Order 2203304

Date Reported: 3/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-6

Project: Kent BSK 1H

Collection Date: 3/2/2022 2:00:00 PM

Lab ID: 2203304-002

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>L RN</b>
Chloride	8900	300		mg/Kg	100	3/11/2022 3:52:34 PM	66099
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	170	9.5		mg/Kg	1	3/9/2022 7:27:53 AM	65995
Motor Oil Range Organics (MRO)	89	48		mg/Kg	1	3/9/2022 7:27:53 AM	65995
Surr: DNOP	76.2	51.1-141		%Rec	1	3/9/2022 7:27:53 AM	65995
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 4:10:00 PM	65989
Surr: BFB	103	70-130		%Rec	1	3/9/2022 4:10:00 PM	65989
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/9/2022 4:10:00 PM	65989
Toluene	ND	0.049		mg/Kg	1	3/9/2022 4:10:00 PM	65989
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 4:10:00 PM	65989
Xylenes, Total	ND	0.098		mg/Kg	1	3/9/2022 4:10:00 PM	65989
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	3/9/2022 4:10:00 PM	65989

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203304

15-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>MB-66099</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66099</b>	RunNo: <b>86410</b>								
Prep Date: <b>3/10/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3048309</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-66099</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66099</b>	RunNo: <b>86410</b>								
Prep Date: <b>3/10/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3048310</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.4	90	110			

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203304

15-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>LCS-65995</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65995</b>			RunNo: <b>86343</b>						
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/8/2022</b>			SeqNo: <b>3045214</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.9	68.9	135			
Surr: DNOP	5.1		5.000		103	51.1	141			

Sample ID: <b>MB-65995</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>65995</b>			RunNo: <b>86343</b>						
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/8/2022</b>			SeqNo: <b>3045220</b>	Units: <b>mg/Kg</b>					
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		102	51.1	141			

**Qualifiers:**

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203304

15-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>ics-65989</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65989</b>			RunNo: <b>86374</b>						
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>			SeqNo: <b>3046245</b>	Units: <b>mg/Kg</b>					
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	78.6	131			
Surr: BFB	1200		1000		116	70	130			

Sample ID: <b>mb-65989</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>65989</b>			RunNo: <b>86374</b>						
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>			SeqNo: <b>3046246</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		107	70	130			

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203304

15-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 1H

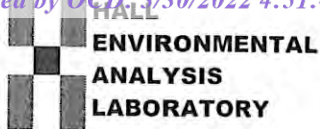
Sample ID: <b>lcs-65989</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65989</b>			RunNo: <b>86374</b>						
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>			SeqNo: <b>3046298</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.4	80	120			
Toluene	0.94	0.050	1.000	0	93.9	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.0	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.9	70	130			

Sample ID: <b>mb-65989</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>65989</b>			RunNo: <b>86374</b>						
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>			SeqNo: <b>3046299</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		90.2	70	130			

**Qualifiers:**

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





## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2203304

RcptNo: 1

Received By: Cheyenne Cason

3/4/2022 8:00:00 AM

Completed By: Sean Livingston

3/4/2022 9:36:05 AM

Reviewed By: JR 3/4/22

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: KPA 3/4/22

Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.9	Good				
2	1.1	Good				







Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

March 14, 2022

Tom Larson  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX:

RE: Kent BSK 1H

OrderNo.: 2203357

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/5/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2203357

Date Reported: 3/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-3

Project: Kent BSK 1H

Collection Date: 3/3/2022 1:30:00 PM

Lab ID: 2203357-001

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/11/2022 2:34:54 AM	66100
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: JME
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/10/2022 12:43:26 AM	66028
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/10/2022 12:43:26 AM	66028
Surr: DNOP	68.3	51.1-141		%Rec	1	3/10/2022 12:43:26 AM	66028
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 11:09:00 PM	65994
Surr: BFB	102	70-130		%Rec	1	3/9/2022 11:09:00 PM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 11:09:00 PM	65994
Toluene	ND	0.049		mg/Kg	1	3/9/2022 11:09:00 PM	65994
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 11:09:00 PM	65994
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 11:09:00 PM	65994
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	3/9/2022 11:09:00 PM	65994

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 5

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203357

14-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>MB-66100</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66100</b>	RunNo: <b>86387</b>								
Prep Date: <b>3/10/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047846</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-66100</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66100</b>	RunNo: <b>86387</b>								
Prep Date: <b>3/10/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047847</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.9	90	110			

**Qualifiers:**

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



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203357

14-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>MB-66028</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>66028</b>		RunNo: <b>86364</b>							
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/9/2022</b>		SeqNo: <b>3045933</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		98.9	51.1	141			

Sample ID: <b>LCS-66028</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>66028</b>		RunNo: <b>86364</b>							
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/9/2022</b>		SeqNo: <b>3045936</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.3	68.9	135			
Surr: DNOP	4.6		5.000		92.9	51.1	141			

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203357

14-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>ics-65989</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65989</b>			RunNo: <b>86374</b>						
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>			SeqNo: <b>3046245</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1200		1000		116	70	130			

Sample ID: <b>mb-65989</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>65989</b>			RunNo: <b>86374</b>						
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>			SeqNo: <b>3046246</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		107	70	130			

Sample ID: <b>ics-65994</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65994</b>			RunNo: <b>86374</b>						
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>			SeqNo: <b>3046269</b>	Units: <b>mg/Kg</b>					
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	78.6	131			
Surr: BFB	1200		1000		119	70	130			

Sample ID: <b>mb-65994</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>65994</b>			RunNo: <b>86374</b>						
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>			SeqNo: <b>3046270</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	70	130			

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203357

14-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>ics-65989</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8021B: Volatiles</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>65989</b>				RunNo: <b>86374</b>					
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>				SeqNo: <b>3046298</b>	Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.89		1.000		88.9	70	130			

Sample ID: <b>mb-65989</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8021B: Volatiles</b>					
Client ID: <b>PBS</b>	Batch ID: <b>65989</b>				RunNo: <b>86374</b>					
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>				SeqNo: <b>3046299</b>	Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.90		1.000		90.2	70	130			

Sample ID: <b>ics-65994</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8021B: Volatiles</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>65994</b>				RunNo: <b>86374</b>					
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>				SeqNo: <b>3046322</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.8	80	120			
Toluene	0.95	0.050	1.000	0	94.8	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.8	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.4	70	130			

Sample ID: <b>mb-65994</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8021B: Volatiles</b>					
Client ID: <b>PBS</b>	Batch ID: <b>65994</b>				RunNo: <b>86374</b>					
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>				SeqNo: <b>3046323</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		89.9	70	130			

**Qualifiers:**

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

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


**ENVIRONMENTAL  
ANALYSIS  
LABORATORY**

# Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2203357

RcptNo: 1

Received By: Cheyenne Cason 3/5/2022 8:55:00 AM

Completed By: Cheyenne Cason 3/5/2022 9:49:00 AM

Reviewed By: *Cue* 3/5/22

## Chain of Custody

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

## Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

(&lt;2 or &gt;12 unless noted)

Adjusted?

Checked by: *KPG 3/5/22*

## Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

## 17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Not Present			
2	0.7	Good	Not Present			
3	4.0	Good	Not Present			



## Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC☐ Other☐ EDD (Type)

Project Manager:

Becky Haskell

Tom Larson

Sampler:

Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 3

Cooler Temp (including CF): See Check 1st

Date Time Matrix Sample Name

03/30/22 1750

S

SW-3

Container Type and #

Juv

Preservative Type

HEAL No.

2203357

001

Turn-Around Time:

☒ Standard☒ Rush

Project Name:

Kent BSK #111

Project #:

11229794

## Analysis Request

BTEX / MTBE / TMBs (8021)

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

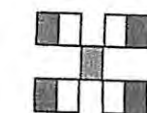
Total Coliform (Present/Absent)

Chloride Nitrate 500

Remarks: Please email: Chase\_Settle@eogresources.com;  
Tom.Larson@ghd.com; Zach.Comino@ghd.com  
Matthew.Laughlin@ghd.com; Along with Becky Haskell  
listed above.

Direct Bill to EOG Chase Settle

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

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

March 17, 2022

Tom Larson  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX:

RE: Kent BSK 14

OrderNo.: 2203508

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/9/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2203508

Date Reported: 3/17/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-7

Project: Kent BSK 14

Collection Date: 3/4/2022 1:00:00 PM

Lab ID: 2203508-001

Matrix: SOIL

Received Date: 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	6900	300		mg/Kg	100	3/16/2022 4:20:37 PM	66186
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	740	8.7		mg/Kg	1	3/14/2022 4:31:13 PM	66115
Motor Oil Range Organics (MRO)	260	44		mg/Kg	1	3/14/2022 4:31:13 PM	66115
Surr: DNOP	66.1	51.1-141		%Rec	1	3/14/2022 4:31:13 PM	66115
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	40	23		mg/Kg	5	3/11/2022 5:50:00 PM	66069
Surr: BFB	216	70-130	S	%Rec	5	3/11/2022 5:50:00 PM	66069
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.12		mg/Kg	5	3/11/2022 5:50:00 PM	66069
Toluene	ND	0.23		mg/Kg	5	3/11/2022 5:50:00 PM	66069
Ethylbenzene	ND	0.23		mg/Kg	5	3/11/2022 5:50:00 PM	66069
Xylenes, Total	ND	0.46		mg/Kg	5	3/11/2022 5:50:00 PM	66069
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	5	3/11/2022 5:50:00 PM	66069

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

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

Page 1 of 4

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203508

17-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 14

Sample ID: <b>MB-66115</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66115</b>	RunNo: <b>86435</b>								
Prep Date: <b>3/11/2022</b>	Analysis Date: <b>3/14/2022</b>	SeqNo: <b>3049507</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.1		10.00		80.6	51.1	141			

Sample ID: <b>LCS-66115</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66115</b>	RunNo: <b>86435</b>								
Prep Date: <b>3/11/2022</b>	Analysis Date: <b>3/14/2022</b>	SeqNo: <b>3049508</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.3	68.9	135			
Surr: DNOP	3.9		5.000		77.5	51.1	141			

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203508

17-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 14

Sample ID: <b>lcs-66069</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>66069</b>		RunNo: <b>86409</b>							
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/11/2022</b>		SeqNo: <b>3048222</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	118	78.6	131			
Surr: BFB	2300		1000		229	70	130			S

Sample ID: <b>mb-66069</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>66069</b>		RunNo: <b>86409</b>							
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/11/2022</b>		SeqNo: <b>3048223</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	70	130			

**Qualifiers:**

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203508

17-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 14

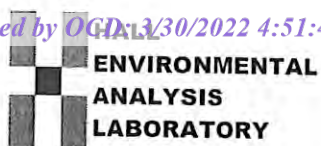
Sample ID: <b>lcs-66069</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>66069</b>			RunNo: <b>86409</b>						
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/11/2022</b>			SeqNo: <b>3048229</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.1	80	120			
Toluene	0.87	0.050	1.000	0	87.2	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.0	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.9	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		89.8	70	130			

Sample ID: <b>mb-66069</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>66069</b>			RunNo: <b>86409</b>						
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/11/2022</b>			SeqNo: <b>3048230</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		88.9	70	130			

**Qualifiers:**

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





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

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2203508

RcptNo: 1

Received By: Sean Livingston 3/9/2022 8:00:00 AM

Completed By: Sean Livingston 3/9/2022 9:09:40 AM

Reviewed By: *cm*

3/9/22

*Sean Livingston*  
*Sean Livingston*

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐  
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐  
5. Sample(s) in proper container(s)? Yes ☒ No ☐  
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐  
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐  
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐  
9. Received at least 1 vial with headspace  $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒  
10. Were any sample containers received broken? Yes ☐ No ☒  
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐  
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐  
13. Is it clear what analyses were requested? Yes ☒ No ☐  
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted?

Checked by: *cm* 3/9/22

Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.5	Good				
2	2.9	Good				







Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

March 21, 2022

Tom Larson  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX:

RE: Kent BSK 1H

OrderNo.: 2203569

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 11 sample(s) on 3/10/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2203569

Date Reported: 3/21/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-4

Project: Kent BSK 1H

Collection Date: 3/8/2022 10:00:00 AM

Lab ID: 2203569-001

Matrix: SOIL

Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	61		mg/Kg	20	3/16/2022 1:00:50 AM	66186
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/14/2022 6:46:00 PM	66116
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/14/2022 6:46:00 PM	66116
Surr: DNOP	72.9	51.1-141		%Rec	1	3/14/2022 6:46:00 PM	66116
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/14/2022 10:41:43 AM	66098
Surr: BFB	103	70-130		%Rec	1	3/14/2022 10:41:43 AM	66098
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/14/2022 10:41:43 AM	66098
Toluene	ND	0.048		mg/Kg	1	3/14/2022 10:41:43 AM	66098
Ethylbenzene	ND	0.048		mg/Kg	1	3/14/2022 10:41:43 AM	66098
Xylenes, Total	ND	0.096		mg/Kg	1	3/14/2022 10:41:43 AM	66098
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	3/14/2022 10:41:43 AM	66098

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

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

## Analytical Report

Lab Order 2203569

Date Reported: 3/21/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-8

Project: Kent BSK 1H

Collection Date: 3/8/2022 10:05:00 AM

Lab ID: 2203569-002

Matrix: SOIL

Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	3/16/2022 1:13:15 AM	66186
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	48	9.8		mg/Kg	1	3/14/2022 6:56:46 PM	66116
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/14/2022 6:56:46 PM	66116
Surr: DNOP	71.5	51.1-141		%Rec	1	3/14/2022 6:56:46 PM	66116
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/14/2022 11:05:21 AM	66098
Surr: BFB	103	70-130		%Rec	1	3/14/2022 11:05:21 AM	66098
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/14/2022 11:05:21 AM	66098
Toluene	ND	0.047		mg/Kg	1	3/14/2022 11:05:21 AM	66098
Ethylbenzene	ND	0.047		mg/Kg	1	3/14/2022 11:05:21 AM	66098
Xylenes, Total	ND	0.095		mg/Kg	1	3/14/2022 11:05:21 AM	66098
Surr: 4-Bromofluorobenzene	95.9	70-130		%Rec	1	3/14/2022 11:05:21 AM	66098

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

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



## Analytical Report

Lab Order 2203569

Date Reported: 3/21/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-9

Project: Kent BSK 1H

Collection Date: 3/8/2022 10:10:00 AM

Lab ID: 2203569-003

Matrix: SOIL

Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	3/16/2022 8:18:16 PM	66225
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/14/2022 7:07:32 PM	66116
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/14/2022 7:07:32 PM	66116
Surr: DNOP	73.4	51.1-141		%Rec	1	3/14/2022 7:07:32 PM	66116
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/14/2022 11:28:59 AM	66098
Surr: BFB	104	70-130		%Rec	1	3/14/2022 11:28:59 AM	66098
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/14/2022 11:28:59 AM	66098
Toluene	ND	0.049		mg/Kg	1	3/14/2022 11:28:59 AM	66098
Ethylbenzene	ND	0.049		mg/Kg	1	3/14/2022 11:28:59 AM	66098
Xylenes, Total	ND	0.098		mg/Kg	1	3/14/2022 11:28:59 AM	66098
Surr: 4-Bromofluorobenzene	94.7	70-130		%Rec	1	3/14/2022 11:28:59 AM	66098

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

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

## Analytical Report

Lab Order 2203569

Date Reported: 3/21/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-10

Project: Kent BSK 1H

Collection Date: 3/8/2022 11:00:00 AM

Lab ID: 2203569-004

Matrix: SOIL

Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	78	60		mg/Kg	20	3/16/2022 9:20:19 PM	66225
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	18	9.6		mg/Kg	1	3/14/2022 7:18:17 PM	66116
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/14/2022 7:18:17 PM	66116
Surr: DNOP	74.5	51.1-141		%Rec	1	3/14/2022 7:18:17 PM	66116
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/14/2022 11:52:39 AM	66098
Surr: BFB	103	70-130		%Rec	1	3/14/2022 11:52:39 AM	66098
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/14/2022 11:52:39 AM	66098
Toluene	ND	0.049		mg/Kg	1	3/14/2022 11:52:39 AM	66098
Ethylbenzene	ND	0.049		mg/Kg	1	3/14/2022 11:52:39 AM	66098
Xylenes, Total	ND	0.097		mg/Kg	1	3/14/2022 11:52:39 AM	66098
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	3/14/2022 11:52:39 AM	66098

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

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

## Analytical Report

Lab Order 2203569

Date Reported: 3/21/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-11

Project: Kent BSK 1H

Collection Date: 3/8/2022 11:05:00 AM

Lab ID: 2203569-005

Matrix: SOIL

Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	86	60		mg/Kg	20	3/16/2022 9:32:43 PM	66225
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	47	9.3		mg/Kg	1	3/14/2022 9:30:24 AM	66116
Motor Oil Range Organics (MRO)	60	47		mg/Kg	1	3/14/2022 9:30:24 AM	66116
Surr: DNOP	104	51.1-141		%Rec	1	3/14/2022 9:30:24 AM	66116
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/14/2022 12:16:18 PM	66098
Surr: BFB	101	70-130		%Rec	1	3/14/2022 12:16:18 PM	66098
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/14/2022 12:16:18 PM	66098
Toluene	ND	0.049		mg/Kg	1	3/14/2022 12:16:18 PM	66098
Ethylbenzene	ND	0.049		mg/Kg	1	3/14/2022 12:16:18 PM	66098
Xylenes, Total	ND	0.099		mg/Kg	1	3/14/2022 12:16:18 PM	66098
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	3/14/2022 12:16:18 PM	66098

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

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

## Analytical Report

Lab Order 2203569

Date Reported: 3/21/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-12

Project: Kent BSK 1H

Collection Date: 3/8/2022 11:10:00 AM

Lab ID: 2203569-006

Matrix: SOIL

Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	190	61		mg/Kg	20	3/16/2022 9:45:07 PM	66225
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	67	9.9		mg/Kg	1	3/14/2022 7:29:01 PM	66116
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/14/2022 7:29:01 PM	66116
Surr: DNOP	84.5	51.1-141		%Rec	1	3/14/2022 7:29:01 PM	66116
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/14/2022 12:39:59 PM	66098
Surr: BFB	101	70-130		%Rec	1	3/14/2022 12:39:59 PM	66098
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	3/14/2022 12:39:59 PM	66098
Toluene	ND	0.047		mg/Kg	1	3/14/2022 12:39:59 PM	66098
Ethylbenzene	ND	0.047		mg/Kg	1	3/14/2022 12:39:59 PM	66098
Xylenes, Total	ND	0.093		mg/Kg	1	3/14/2022 12:39:59 PM	66098
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	3/14/2022 12:39:59 PM	66098

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

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

## Analytical Report

Lab Order 2203569

Date Reported: 3/21/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-13

Project: Kent BSK 1H

Collection Date: 3/8/2022 11:15:00 AM

Lab ID: 2203569-007

Matrix: SOIL

Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	160	60		mg/Kg	20	3/16/2022 9:57:31 PM	66225
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	66	9.3		mg/Kg	1	3/14/2022 7:39:48 PM	66116
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/14/2022 7:39:48 PM	66116
Surr: DNOP	66.0	51.1-141		%Rec	1	3/14/2022 7:39:48 PM	66116
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/14/2022 1:03:37 PM	66098
Surr: BFB	102	70-130		%Rec	1	3/14/2022 1:03:37 PM	66098
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	3/14/2022 1:03:37 PM	66098
Toluene	ND	0.047		mg/Kg	1	3/14/2022 1:03:37 PM	66098
Ethylbenzene	ND	0.047		mg/Kg	1	3/14/2022 1:03:37 PM	66098
Xylenes, Total	ND	0.093		mg/Kg	1	3/14/2022 1:03:37 PM	66098
Surr: 4-Bromofluorobenzene	93.7	70-130		%Rec	1	3/14/2022 1:03:37 PM	66098

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

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



## Analytical Report

Lab Order 2203569

Date Reported: 3/21/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-5

Project: Kent BSK 1H

Collection Date: 3/8/2022 11:20:00 AM

Lab ID: 2203569-008

Matrix: SOIL

Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	3/16/2022 10:09:56 PM	66225
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/14/2022 7:50:32 PM	66116
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/14/2022 7:50:32 PM	66116
Surr: DNOP	65.3	51.1-141		%Rec	1	3/14/2022 7:50:32 PM	66116
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/14/2022 2:14:12 PM	66098
Surr: BFB	101	70-130		%Rec	1	3/14/2022 2:14:12 PM	66098
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/14/2022 2:14:12 PM	66098
Toluene	ND	0.048		mg/Kg	1	3/14/2022 2:14:12 PM	66098
Ethylbenzene	ND	0.048		mg/Kg	1	3/14/2022 2:14:12 PM	66098
Xylenes, Total	ND	0.096		mg/Kg	1	3/14/2022 2:14:12 PM	66098
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	3/14/2022 2:14:12 PM	66098

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

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

## Analytical Report

Lab Order 2203569

Date Reported: 3/21/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-14

Project: Kent BSK 1H

Collection Date: 3/8/2022 1:00:00 PM

Lab ID: 2203569-009

Matrix: SOIL

Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	330	60		mg/Kg	20	3/16/2022 10:22:20 PM	66225
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/14/2022 8:01:15 PM	66116
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/14/2022 8:01:15 PM	66116
Surr: DNOP	74.4	51.1-141		%Rec	1	3/14/2022 8:01:15 PM	66116
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/14/2022 2:37:48 PM	66098
Surr: BFB	105	70-130		%Rec	1	3/14/2022 2:37:48 PM	66098
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/14/2022 2:37:48 PM	66098
Toluene	ND	0.049		mg/Kg	1	3/14/2022 2:37:48 PM	66098
Ethylbenzene	ND	0.049		mg/Kg	1	3/14/2022 2:37:48 PM	66098
Xylenes, Total	ND	0.099		mg/Kg	1	3/14/2022 2:37:48 PM	66098
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	3/14/2022 2:37:48 PM	66098

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

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

## Analytical Report

Lab Order 2203569

Date Reported: 3/21/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-15

Project: Kent BSK 1H

Collection Date: 3/8/2022 1:05:00 PM

Lab ID: 2203569-010

Matrix: SOIL

Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	680	61		mg/Kg	20	3/16/2022 10:34:45 PM	66225
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/14/2022 8:11:57 PM	66116
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/14/2022 8:11:57 PM	66116
Surr: DNOP	78.7	51.1-141		%Rec	1	3/14/2022 8:11:57 PM	66116
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/14/2022 3:01:17 PM	66098
Surr: BFB	105	70-130		%Rec	1	3/14/2022 3:01:17 PM	66098
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/14/2022 3:01:17 PM	66098
Toluene	ND	0.049		mg/Kg	1	3/14/2022 3:01:17 PM	66098
Ethylbenzene	ND	0.049		mg/Kg	1	3/14/2022 3:01:17 PM	66098
Xylenes, Total	ND	0.099		mg/Kg	1	3/14/2022 3:01:17 PM	66098
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	3/14/2022 3:01:17 PM	66098

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

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

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## Analytical Report

Lab Order 2203569

Date Reported: 3/21/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-16

Project: Kent BSK 1H

Collection Date: 3/8/2022 1:10:00 PM

Lab ID: 2203569-011

Matrix: SOIL

Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	1300	61		mg/Kg	20	3/16/2022 10:47:09 PM	66225
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	16	10		mg/Kg	1	3/14/2022 11:56:56 AM	66117
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/14/2022 11:56:56 AM	66117
Surr: DNOP	91.8	51.1-141		%Rec	1	3/14/2022 11:56:56 AM	66117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/14/2022 3:24:47 PM	66098
Surr: BFB	105	70-130		%Rec	1	3/14/2022 3:24:47 PM	66098
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/14/2022 3:24:47 PM	66098
Toluene	ND	0.048		mg/Kg	1	3/14/2022 3:24:47 PM	66098
Ethylbenzene	ND	0.048		mg/Kg	1	3/14/2022 3:24:47 PM	66098
Xylenes, Total	ND	0.097		mg/Kg	1	3/14/2022 3:24:47 PM	66098
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	3/14/2022 3:24:47 PM	66098

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

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

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203569

21-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>MB-66186</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>66186</b>		RunNo: <b>86503</b>							
Prep Date: <b>3/15/2022</b>	Analysis Date: <b>3/15/2022</b>		SeqNo: <b>3052498</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-66186</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>66186</b>		RunNo: <b>86503</b>							
Prep Date: <b>3/15/2022</b>	Analysis Date: <b>3/15/2022</b>		SeqNo: <b>3052499</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.4	90	110			

Sample ID: <b>MB-66225</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>66225</b>		RunNo: <b>86531</b>							
Prep Date: <b>3/16/2022</b>	Analysis Date: <b>3/16/2022</b>		SeqNo: <b>3053728</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-66225</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>66225</b>		RunNo: <b>86531</b>							
Prep Date: <b>3/16/2022</b>	Analysis Date: <b>3/16/2022</b>		SeqNo: <b>3053729</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.6	90	110			

**Qualifiers:**

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

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



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203569

21-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>MB-66116</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66116</b>	RunNo: <b>86439</b>								
Prep Date: <b>3/11/2022</b>	Analysis Date: <b>3/14/2022</b>	SeqNo: <b>3050132</b> Units: <b>mg/Kg</b>								
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	51.1	141			

Sample ID: <b>MB-66117</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66117</b>	RunNo: <b>86439</b>								
Prep Date: <b>3/11/2022</b>	Analysis Date: <b>3/14/2022</b>	SeqNo: <b>3050133</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		93.5	51.1	141			

Sample ID: <b>LCS-66116</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66116</b>	RunNo: <b>86439</b>								
Prep Date: <b>3/11/2022</b>	Analysis Date: <b>3/14/2022</b>	SeqNo: <b>3050134</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.1	68.9	135			
Surr: DNOP	4.3		5.000		85.7	51.1	141			

Sample ID: <b>LCS-66117</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66117</b>	RunNo: <b>86439</b>								
Prep Date: <b>3/11/2022</b>	Analysis Date: <b>3/14/2022</b>	SeqNo: <b>3050135</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	114	68.9	135			
Surr: DNOP	6.0		5.000		121	51.1	141			

Sample ID: <b>2203569-011AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-16</b>	Batch ID: <b>66117</b>	RunNo: <b>86439</b>								
Prep Date: <b>3/11/2022</b>	Analysis Date: <b>3/14/2022</b>	SeqNo: <b>3050161</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	71	9.6	48.12	16.47	112	36.1	154			
Surr: DNOP	6.6		4.812		137	51.1	141			

**Qualifiers:**

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

QC SUMMARY REPORT  
Hall Environmental Analysis Laboratory, Inc.

WO#: 2203569  
21-Mar-22

Client: GHD Midland  
Project: Kent BSK 1H

Sample ID: 2203569-011AMSD		SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: BH-16		Batch ID: 66117		RunNo: 86439						
Prep Date: 3/11/2022		Analysis Date: 3/14/2022		SeqNo: 3050162		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	69	9.2	46.08	16.47	115	36.1	154	1.66	33.9	
Surr: DNOP	5.2		4.608		114	51.1	141	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

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203569

21-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 1H

Sample ID: <b>mb-66098</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>66098</b>		RunNo: <b>86458</b>							
Prep Date: <b>3/10/2022</b>	Analysis Date: <b>3/14/2022</b>		SeqNo: <b>3050287</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		106	70	130			

Sample ID: <b>lcs-66098</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>66098</b>		RunNo: <b>86458</b>							
Prep Date: <b>3/10/2022</b>	Analysis Date: <b>3/14/2022</b>		SeqNo: <b>3050288</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	109	78.6	131			
Surr: BFB	2200		1000		223	70	130			S

**Qualifiers:**

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2203569

21-Mar-22

**Client:** GHD Midland**Project:** Kent BSK 1H

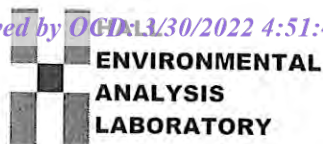
Sample ID: <b>mb-66098</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66098</b>	RunNo: <b>86458</b>								
Prep Date: <b>3/10/2022</b>	Analysis Date: <b>3/14/2022</b>	SeqNo: <b>3050351</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.1	70	130			

Sample ID: <b>LCS-66098</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66098</b>	RunNo: <b>86458</b>								
Prep Date: <b>3/10/2022</b>	Analysis Date: <b>3/14/2022</b>	SeqNo: <b>3050359</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.8	80	120			
Toluene	0.94	0.050	1.000	0	93.9	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.9	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.3	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.8	70	130			

**Qualifiers:**

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

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



4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2203569

RcptNo: 1

Received By: Sean Livingston 3/10/2022 8:00:00 AM

Completed By: Sean Livingston 3/10/2022 8:30:49 AM

Reviewed By: *Chc* 3/10/22

*Sean Livingston*  
*Sean Livingston*

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐  
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐  
5. Sample(s) in proper container(s)? Yes ☒ No ☐  
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐  
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐  
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐  
9. Received at least 1 vial with headspace  $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒  
10. Were any sample containers received broken? Yes ☐ No ☒  
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐  
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐  
13. Is it clear what analyses were requested? Yes ☒ No ☐  
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *ju 3/10/22*

Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.2	Good				



## Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NIM 88210

Phone #: (505)377-4218

email or Fax#: Beckv.Haskell@ghd.com

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard☐ Rush

Project Name:

Project #:

Project Manager:

Becky Haskell

Tom Larson

Sampler:

Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers:

Cooler Temp (including CF): 1.2-10-1.200

Date

Time

Matrix

Sample Name

Container Type and #

Preservative Type

HEAL No.

22033569

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# Attachment D

## Confirmation Sampling Notifications

## Becky Haskell

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**From:** Chase Settle <Chase\_Settle@eogresources.com>  
**Sent:** Thursday, February 24, 2022 11:32 AM  
**To:** Becky Haskell; Zach Comino; Heath Boyd  
**Subject:** FW: Kent BSK 1H (nAPP2116636311) Sampling notification

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Thursday, February 24, 2022 10:24 AM  
**To:** Robert.Hamlet@state.nm.us  
**Cc:** Artesia Regulatory <Artesia\_Regulatory@eogresources.com>; Bob Asher <Bob\_Asher@eogresources.com>; Chase Settle <Chase\_Settle@eogresources.com>; Katie Jamison <Katie\_Jamison@eogresources.com>; Yvette Moore <Yvette\_Moore@eogresources.com>  
**Subject:** Kent BSK 1H (nAPP2116636311) Sampling notification

Good morning,

EOG Resources, Inc. respectfully submits notification of sampling activities to be conducted at the below site.

Kent BSK 1H  
P-20-18S-26E  
Eddy County, NM  
nAPP2116636311

Sampling will begin at 8:00 a.m. on Tuesday, March 1, 2022.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



## Becky Haskell

---

**From:** Chase Settle <Chase\_Settle@eogresources.com>  
**Sent:** Thursday, March 3, 2022 4:10 PM  
**To:** Becky Haskell; Zach Comino; Tom Larson  
**Subject:** FW: Kent BSK #1H(nAPP2116636311) Sampling Notification

---

**From:** Miriam Morales <Miriam\_Morales@eogresources.com>  
**Sent:** Thursday, March 3, 2022 2:50 PM  
**To:** Robert.Hamlet@state.nm.us  
**Cc:** Artesia Regulatory <Artesia\_Regulatory@eogresources.com>; Katie Jamison <Katie\_Jamison@eogresources.com>; Chase Settle <Chase\_Settle@eogresources.com>; Bob Asher <Bob\_Asher@eogresources.com>; Yvette Moore <Yvette\_Moore@eogresources.com>  
**Subject:** Kent BSK #1H(nAPP2116636311) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification of sampling activities to be conducted at the below site.

Kent BSK #1H  
P-20-18S-26E  
Eddy County, NM  
nAPP2116636311

Sampling will begin at 8:00 a.m. on Tuesday, March 8, 2022.

Thank you,

*Miriam Morales*

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 94567

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 94567
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	4/18/2022