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September 2, 2025

New Mexico Oil Conservation Division
New Mexico Energy, Minerals, and Natural Resources Department
1000 Rio Brazos Road
Aztec, New Mexico 87410

Re: 2022 Drilling and Soil Sampling Report
Bloomfield Crude Station
Bloomfield, New Mexico
Western Refining Southwest LLC, Marathon Petroleum Company LP
NMOCD Environmental Order: 3RP-258

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Western Refining Southwest LLC (Western), presents this *2022 Drilling and Soil Sampling Report* for the Bloomfield Crude Station (Site). The Site is located on private land at the southwest corner of West Blanco Boulevard and North 5th Street in Bloomfield, New Mexico (Figure 1). At the request of the New Mexico Oil Conservation Division (NMOCD), this report has been prepared to summarize drilling and soil sampling activities conducted at the Site in 2022.

SITE BACKGROUND

The Site is within the city limits of Bloomfield, New Mexico, as depicted on Figure 1. The surrounding properties are a mix of residential, commercial, and industrial uses. The Site was first leased for oil and gas exploration and production in 1929. Since then, the Site has been owned and leased by several companies including Aerex Refining, Plateau Refining, Shell Oil Company, El Paso Products, Malco, Clayton Investment of Thriftway Marketing, Giant Industries Arizona, Inc. (Giant), and Western. Over the years, these companies have operated various process units and tanks on or near the Site, including for refining operations.

In 1994, a 55,000-barrel (bbl) tank identified as Tank 967-D and used to store crude oil was removed from the Site. After removal, soil samples were collected and indicated the presence of historical petroleum hydrocarbons impacts in the soil surrounding the tank. While cleaning the tank for decommissioning in December of 1995, the tank caught fire and released tank-bottom material, as well as lead-based paint from the exterior of the tank. The tank-bottom material and paint chips were removed from the Site by vacuum truck. Soil samples were collected following removal and confirmed this second release did not contribute to additional soil and/or groundwater impacts at the Site. To address the historical soil impacts originating from the tank, 12,924 cubic yards of impacted soil were excavated to depths up to 18 feet below ground surface (bgs) in August 2000 (excavation extent shown on Figure 2). Soil samples were collected from the floor and sidewalls of the excavation, which indicated elevated petroleum hydrocarbon concentrations remained in several areas of the excavation. Excavation results were summarized in the *Report for Remediation Excavation Work Performed During August 2000 for the Bloomfield Crude Station*, prepared by Philip Services Corp and dated October 2000.

To address residual impacts not remediated by excavation, a bioventing system was installed around the perimeter of the excavation extent and operated between 2002 and 2012. This bioventing system was used to introduce oxygen into the subsurface to enhance the natural biological activity and remediate residual impacts through bioremediation. During this time, soil was regularly sampled and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) and total petroleum hydrocarbon (TPH) to assess reductions in contaminant concentrations. Historical soil analytical results were summarized and presented in the *2020 Annual Report* prepared by WSP USA Inc. (WSP).

In order to assess current soil conditions after the operation of the bioventing system had ceased, Western conducted additional drilling and soil sampling activities at the Site in 2022. Details are further discussed below.

2022 SITE INVESTIGATION ACTIVITIES

In February of 2022, WSP was retained by Western to assess current soil conditions. A total of 17 borings (BH01 through BH17) were initially advanced by WSP to depths of 20 feet bgs using direct-push probe technology in the locations shown on Figures 3 and 4. WSP logged soil lithology and inspected the soil for petroleum hydrocarbon staining and odors. Soil descriptions were noted in boring logs and are attached as Appendix A. In general, sandy soils, including well and poorly sorted sand, silty sand, and clayey sand, are present at the Site from the ground surface to 24 feet bgs. Low plasticity clay (based on field observations) was encountered between 15 feet and 28 feet bgs during previous Site investigations and on the adjacent Former Aerex Refinery property.

Soil samples were field screened for the presence of organic vapors using a photoionization detector (PID), with results noted on the field boring logs (attached as Appendix A). In general, soil samples were collected from depth intervals indicating the greatest impacts based on field screening results. Soil samples were collected directly into laboratory-provided jars and immediately placed on ice. Soil samples were submitted to Hall Environmental Analysis Laboratory (Hall) for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B and TPH following EPA Method 8015M/D. Analytical results indicated TPH concentrations exceeding the NMOCD Table I Closure Criteria were present in borings BH01, BH02, BH03, BH04, BH07, BH08, BH10, and BH17. BTEX concentrations did not exceed applicable Closure Criteria in any of the collected samples.

Based on the results of the February 2022 sampling event, Ensolum performed additional delineation and soil sampling activities in August of 2022 to further delineate the lateral and vertical extent of detected TPH concentrations in soil at the Site. Fourteen additional borings (BH18 through BH31) were advanced to depths ranging from 20 feet to 24 feet bgs using direct-push probe technology in locations shown on Figure 3. Soil was logged, field screened, and sampled for BTEX and TPH analysis in the manner presented above. Analytical results, summarized in Table 1, indicated TPH concentrations exceeding the NMOCD Table I Closure Criteria were present in borings BH20, BH21, BH22, BH25, BH27, BH28, BH29, and BH30. BTEX concentrations did not exceed applicable Table I Closure Criteria in any of the collected samples.

In addition to the 2022 boring locations advanced by WSP and Ensolum, Figures 3 and 4 present boring locations for several historical investigations associated with the Site (performed by Philip Services Corp.) and the adjacent Former Aerex Refinery property (performed by EA Engineering). Field screening and analytical results from these historical investigations are summarized in Table 1, with complete laboratory analytical reports attached as Appendix B.

FINDINGS AND CONCLUSIONS

Based on the results of the 2022 drilling and sampling work and past investigations performed by Philip Services Corp. and EA Engineering, soil impacts at the Site have been successfully delineated laterally

and vertically. As indicated in the *Report for Remediation Excavation Work Performed During August 2000* for the Bloomfield Crude Station, prepared by Philip Services Corp and dated October 2000, the initial remedial efforts removed a large volume of impacted soil through excavation and off-site disposal. Based on soil samples collected in 2000, TPH concentrations exceeding the NMOCD Table I Closure Criteria were left in place in the floor and sidewalls of the excavation. To address the residual impacts, a bioventing system was installed at the Site and operated between 2002 and 2013. Based on soil results collected at the Site, the bioventing system effectively reduced TPH and BTEX concentrations in targeted areas; however, TPH impacts exceeding the applicable standards remain outside of these areas.

The lateral extent of TPH impacts remaining at the Site is shown on Figures 3 and 4. In general, remaining TPH impacts are to the south and west of the former AST and excavation. TPH impacts to the south of the former tank locations are generally present at depths between 10 feet and 16 feet bgs, with limited areas of soil impacts at 20 feet bgs. West of the former AST location, impacts are generally present at deeper depths and range from 16 feet to 26 feet bgs. The deepest impacts exist below the water table in saturated soils. Remaining concentrations of TPH range from 117 mg/kg to 3,010 mg/kg and the average of detected concentrations is 1,243 mg/kg. Based on the lateral and vertical extent of impacts, it is estimated that approximately 25,000 cubic yards of impacted soil remains at the Site over an area of 84,000 square feet.

We appreciate the opportunity to provide this report and look forward to working with you on this project. If you should have any questions or comments regarding this proposal, please contact the undersigned.

Sincerely,
Ensolum, LLC

Stuart Hyde
Senior Managing Geologist
(970) 903-1607
shyde@ensolum.com

Attachments:

Figure 1: Site Location
Figure 2: Site Map
Figure 3: Soil Analytical Results
Figure 4: TPH Concentration Isocontours

Table 1: Delineation Soil Sampling Analytical Results

Appendix A: Field Boring Logs
Appendix B: Laboratory Analytical Reports

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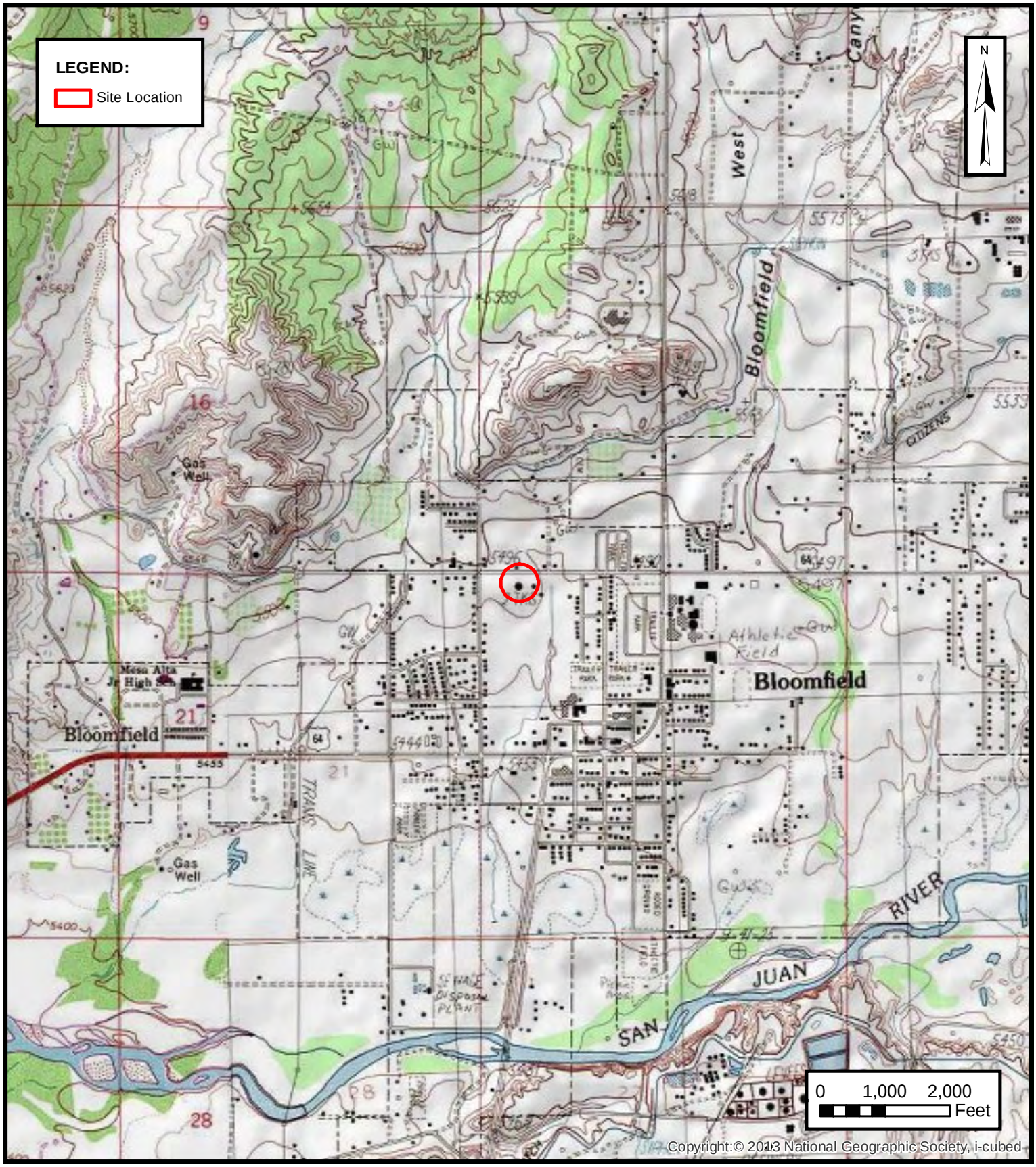
FIGURES



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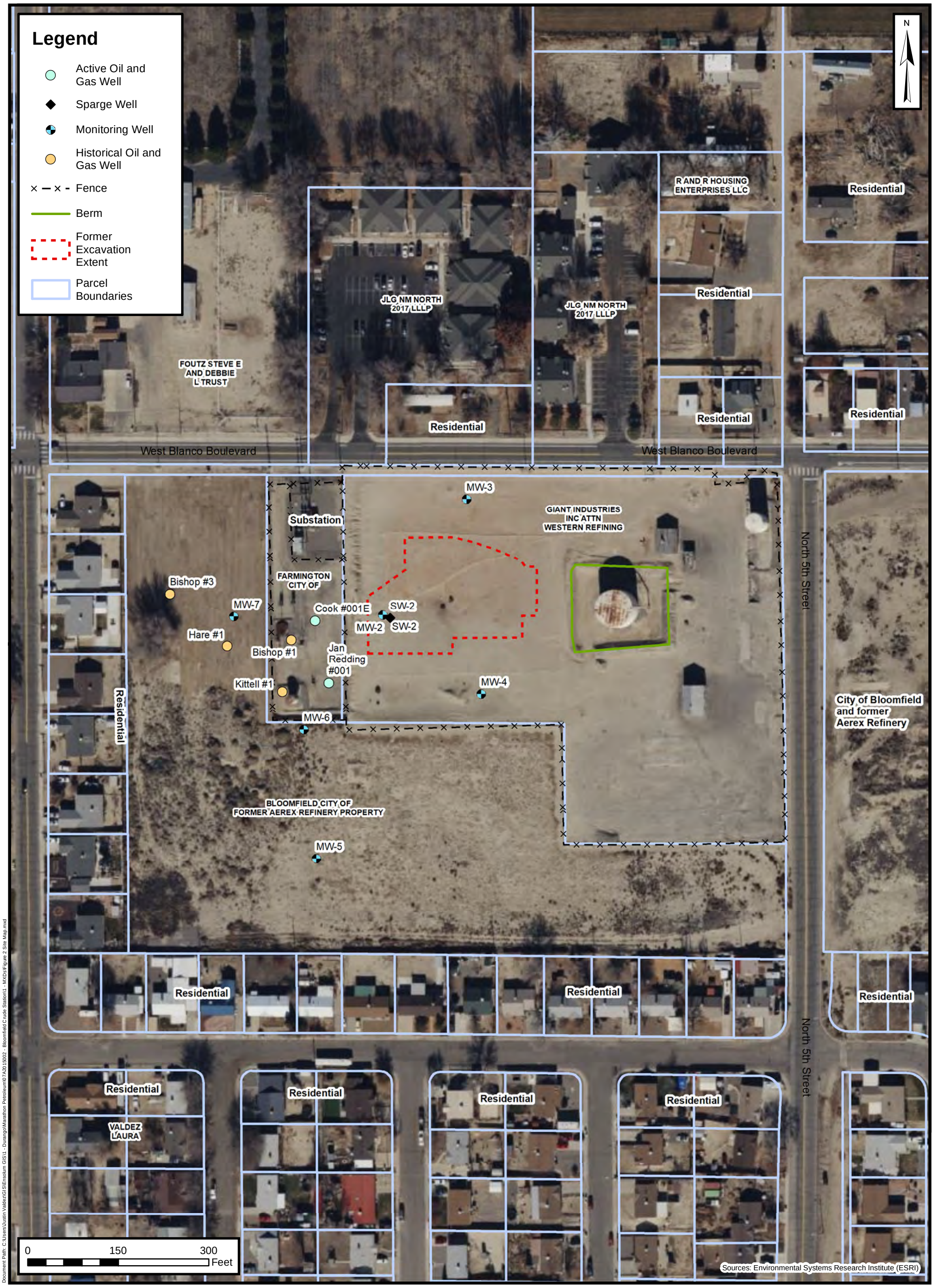
Site Location

Bloomfield Crude Station
Western Refining Southwest LLC

36.717936°, -107.985896°
Bloomfield, New Mexico

FIGURE
1



Document Path: C:\Users\Justin Valdez\GIS\Ensolum GIS\1 - Durango\Marathon Petroleum\07A2015002 - Bloomfield Crude Station\1 - MXDs\Figure 2 Site Map.mxd

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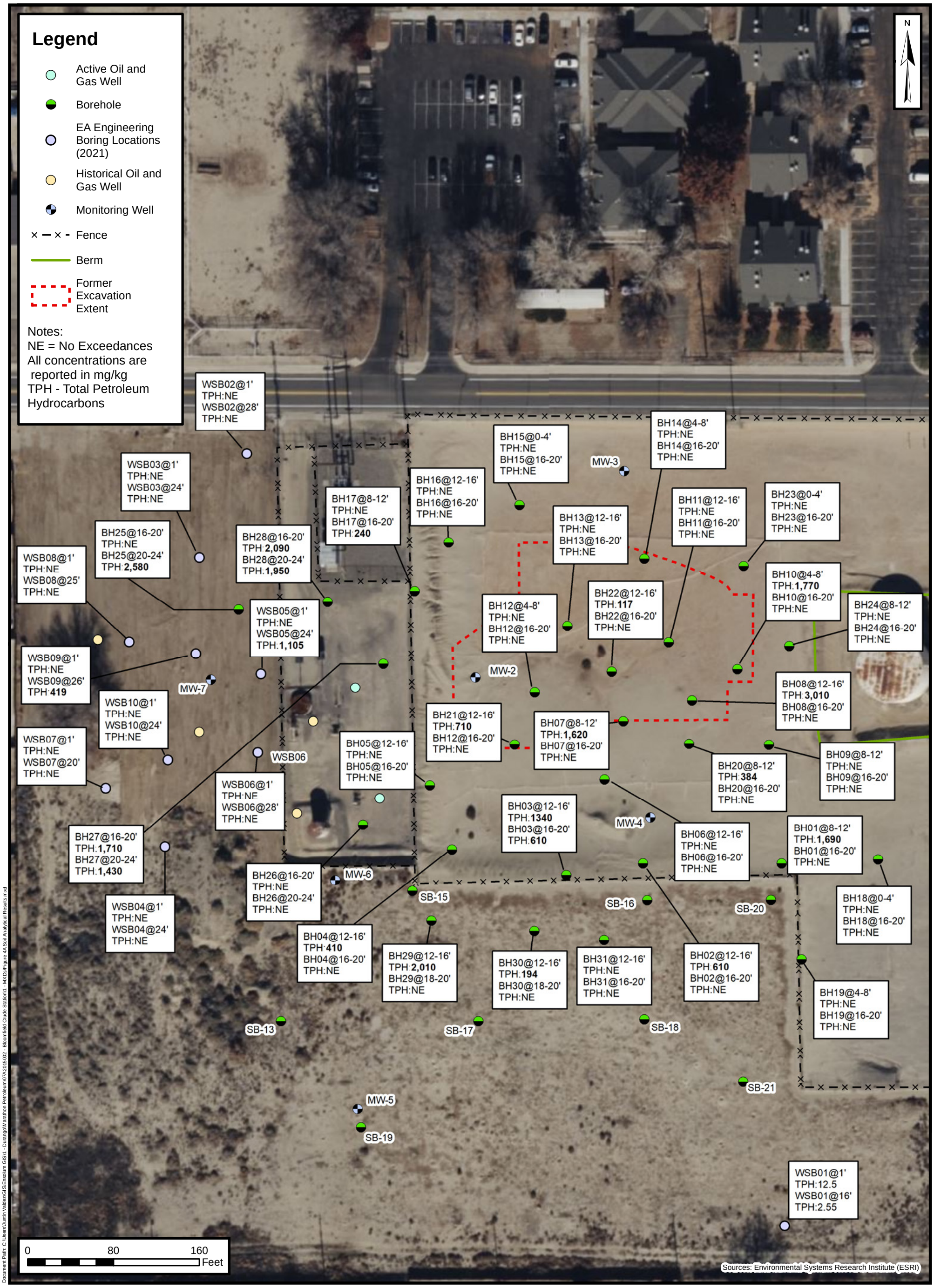
Site Map

Bloomfield Crude Station
Western Refining Southwest LLC

36.717936°, -107.985896°
Bloomfield, New Mexico

FIGURE
2



Document Path: C:\Users\Justin Valdez\GIS\Ensolum GIS\1 - Durango\Marathon Petroleum\07A2015002 - Bloomfield Crude Station\1 - MXDs\Figure 4A Soil Analytical Results.mxd

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Soil Analytical Results

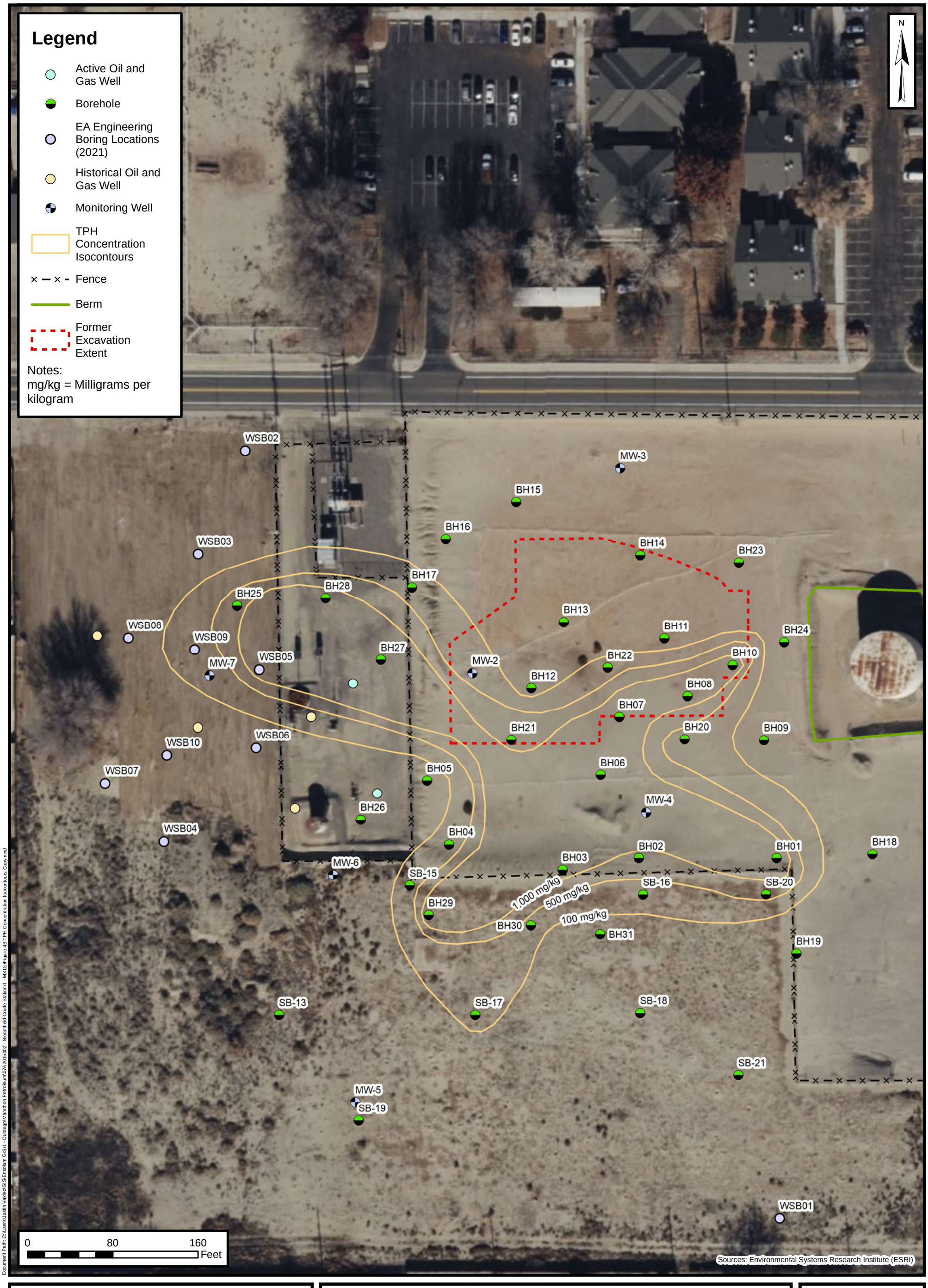
Bloomfield Crude Station

Western Refining Southwest LLC

36.717936°, -107.985896°
Bloomfield, New Mexico

FIGURE

3



Document Path: C:\Users\Justin.Valdez\GIS\Ensolum GIS\1 - Durango\Marathon Petroleum\07A2015002 - Bloomfield Crude Station\1 - MXDs\Figure 4B TPH Concentration Isocontours Copy.mxd

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TPH Concentration Isocontours

Bloomfield Crude Station

Western Refining Southwest LLC

36.717936°, -107.985896°

Bloomfield, New Mexico

FIGURE

4

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TABLES

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TABLE 1
DELINEATION SOIL SAMPLE ANALYTICAL RESULTS
Bloomfield Crude Station
Western Refining Southwest LLC
Bloomfield, New Mexico

Sample Designation	Date	Depth (feet bgs)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release (Groundwater <50 feet)			NE	**10**	NE	NE	NE	**50**	NE	NE	NE	**100**
Ensolum Site Investigation Soil Sample Results												
BH01 8-12	2/17/2022	8-12	227	<0.12	<0.25	0.61	3.3	3.9	160	1,000	530	**1,690**
BH01 16-20	2/17/2022	16-20	1.8	<0.12	<0.24	<0.24	<0.48	<0.48	<24	<9.3	<46	<46
BH02 12-16	2/17/2022	12-16	456	<0.023	<0.046	0.64	1.1	1.7	170	280	160	**610**
BH02 16-20	2/17/2022	16-20	12.8	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<8.7	<44	<44
BH03 12-16	2/17/2022	12-16	725	0.81	<0.96	3.0	31	35	1,000	210	130	**1,340**
BH03 16-20	2/17/2022	16-20	42.0	<0.12	<0.24	<0.24	0.59	0.59	110	320	180	**610**
BH04 12-16	2/17/2022	12-16	476	<0.12	<0.24	0.39	4.3	4.7	140	170	100	**410**
BH04 16-20	2/17/2022	16-20	126	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.4	<47	<47
BH05 12-16	2/17/2022	12-16	46.8	<0.12	<0.24	<0.24	<0.48	<0.48	<24	37	<47	37
BH05 16-20	2/17/2022	16-20	17.6	<0.024	<0.048	<0.048	<0.096	<0.096	7.1	12	<50	19
BH06 12-16	2/17/2022	12-16	3.8	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.8	<49	<49
BH06 16-20	2/17/2022	16-20	2.8	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<8.9	<45	<45
BH07 8-12	2/17/2022	8-12	16.3	<0.12	<0.24	<0.24	0.8	0.80	110	910	600	**1,620**
BH07 16-20	2/17/2022	16-20	2.5	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.2	<46	<46
BH08 12-16	2/17/2022	12-16	751	<0.12	<0.23	6.7	19	26	1,100	1,200	710	**3,010**
BH08 16-20	2/17/2022	16-20	22.8	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.5	<47	<47
BH09 8-12	2/17/2022	8-12	6.5	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.2	<46	<46
BH09 16-20	2/17/2022	16-20	3.9	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.2	<46	<46
BH10 4-8	2/17/2022	4-8	704	<0.12	<0.24	0.83	<0.48	0.83	180	980	610	**1,770**
BH10 16-20	2/17/2022	16-20	5.8	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<8.8	<44	<44
BH11 12-16	2/17/2022	12-16	2.5	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.6	<48	<48
BH11 16-20	2/17/2022	16-20	0.9	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<8.9	<45	<45
BH12 4-8	2/17/2022	4-8	2.2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.6	<48	<48
BH12 16-20	2/17/2022	16-20	1.2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<10	<51	<51
BH13 12-16	2/18/2022	12-16	2.4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.1	<45	<45
BH13 16-20	2/18/2022	16-20	1.2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<49	<49
BH14 4-8	2/18/2022	4-8	4.0	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.5	<48	<48
BH14 16-20	2/18/2022	16-20	0.3	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.3	<46	<46
BH15 0-4	2/18/2022	0-4	4.3	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.6	<48	<48
BH15 16-20	2/18/2022	16-20	1.7	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.8	<49	<49
BH16 12-16	2/18/2022	12-14	3.2	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	25	<49	25
BH16 16-20	2/18/2022	16-20	26.0	<0.12	<0.24	<0.24	<0.48	<0.48	<24	<9.2	<46	<46
BH17 8-12	2/18/2022	8-12	1.0	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.6	<48	<48
BH17 16-20	2/18/2022	16-20	2.5	<0.12	<0.24	<0.24	0.49	0.49	<24	110	130	**240**
BH18 0-4	8/17/2022	0-4	0.7	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<15	<49	<49
BH18 16-20	8/17/2022	16-20	0.0	<0.024	<0.048	<0.048	<0.096	<0.097	<4.9	<13	<43	<43
BH19 4-8	8/17/2022	4-8	0.0	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<14	<48	<48
BH19 16-20	8/17/2022	16-20	0.0	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<13	<44	<44
BH20 8-12	8/17/2022	8-12	337	<0.12	<0.25	0.27	2.3	2.6	140	150	94	**384**
BH20 16-20	8/17/2022	16-20	NA	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<13	<43	<43
BH21 12-16	8/17/2022	12-16	464	<0.012	<0.024	<0.024	0.53	0.53	90	380	240	**710**
BH21 16-20	8/17/2022	16-20	0.6	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<12	<40	<40
BH22 12-16	8/17/2022	12-16	0.3	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	50	67	**117**
BH22 16-20	8/17/2022	16-20	0.0	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<15	<50	<50
BH23 0-4	8/17/2022	0-4	0.6	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<14	<46	<46
BH23 16-20	8/17/2022	16-20	0.0	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<15	<49	<49
BH24 8-12	8/17/2022	8-12	0.0	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<14	<47	<47
BH24 16-20	8/17/2022	16-20	0.0	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<11	<38	<38

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TABLE 3
DELINEATION SOIL SAMPLE ANALYTICAL RESULTS
Bloomfield Crude Station
Western Refining Southwest LLC
Bloomfield, New Mexico

Sample Designation	Date	Depth (feet bgs)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release (Groundwater <50 feet)			NE	**10**	NE	NE	NE	**50**	NE	NE	NE	**100**
BH25 16-20	8/17/2022	16-20	0.0	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<45	<45
BH25 20-24	8/17/2022	20-24	1,841	<0.12	<0.23	3.0	24	27	580	1,300	700	**2,580**
BH26 16-20	8/17/2022	16-20	0.3	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<46	<46
BH26 20-24	8/17/2022	20-24	0.0	<0.052	<0.049	<0.049	<0.099	<0.099	<4.9	<15	<49	<49
BH27 16-20	8/17/2022	16-20	3,074	<0.012	<0.024	1.7	1.7	3.4	430	760	520	**1,710**
BH27 20-24	8/17/2022	20-24	692	0.48	<0.24	2.6	1.0	4.1	570	550	310	**1,430**
BH28 16-20	8/17/2022	16-20	2,923	<0.24	<0.47	2.3	20	22	680	860	550	**2,090**
BH28 20-24	8/17/2022	20-24	1,384	0.81	<0.24	3.0	23	27	590	910	450	**1,950**
BH29 12-16	8/18/2022	12-16	1,680	0.78	<0.25	3.0	27	31	740	750	520	**2,010**
BH29 18-20	8/18/2022	18-20	2.6	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<14	<45	<45
BH30 12-16	8/18/2022	12-16	361	<0.12	<0.23	0.27	0.85	1.1	48	90	56	**194**
BH30 18-20	8/18/2022	18-20	0.0	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<14	<46	<46
BH31 12-16	8/18/2022	12-16	0.7	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<15	<50	<50
BH31 16-20	8/18/2022	16-20	NM	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<15	<49	<49
EA Engineering Phase II Environmental Site Assessment Soil Sample Results, Former Aerex Refinery Property												
WSB01-1.0	7/14/2021	1.0	0.2	<0.000515	0.00132	<0.000515	<0.00154	0.00132	3.73	<2.14	8.77	12.5
WSB1-16.0	7/14/2021	16.0	0.2	<0.000639	<0.000639	<0.000639	<0.00192	<0.000639	2.55	<4.74	<5.56	2.55
WSB02-1.0	7/14/2021	1.0	0.4	0.000484	0.000219	<0.000529	<0.00159	0.000703	8.01	<2.33	11.9	19.9
WSB02-28.0	7/14/2021	28.0	0.2	<0.000601	<0.000601	<0.000601	<0.0018	<0.0018	2.03	<3.53	<5.27	2.03
WSB03-1.0	7/14/2021	1.0	0.3	<0.000519	0.00138	<0.000138	<0.00156	0.00138	3.18	<2.12	4.18	7.36
WSB03-24.0	7/14/2021	24.0	0.1	<0.000527	<0.000527	<0.000527	<0.00158	<0.00158	2.54	<3.59	<5.26	2.54
WSB04-1.0	7/14/2021	1.0	0.2	<0.00118	<0.00053	<0.00053	<0.00159	<0.00118	3.74	<1.95	8.76	12.5
WSB04-24.0	7/14/2021	24.0	0.1	<0.000322	<0.000608	<0.000608	<0.00182	<0.00182	2.00	<2.44	<5.19	2.00
WSB05-1.0	7/14/2021	1.0	0.7	<0.000629	<0.000629	<0.000629	<0.00189	<0.00189	3.57	<3.4	5.69	9.26
WSB05-24.0	7/14/2021	24.0	2,881	<0.350	0.186	4.71	35.7	40.6	141	832	132	**1,105**
WSB06-1.0	7/15/2021	1.0	0.6	<0.000347	<0.000559	<0.000559	<0.00168	<0.00168	6.77	<2.8	13.7	20.5
WSB06-28.0	7/15/2021	28.0	0.8	<0.000482	<0.000482	<0.000482	<0.00145	<0.00145	3.92	<2.57	3.10	7.02
WSB07-1.0	7/15/2021	1.0	0.4	<0.000654	<0.000654	<0.000654	<0.00196	<0.00196	7.29	1.51	12.4	21.2
WSB07-20.0	7/15/2021	20.0	0.2	<0.00122	<0.00122	<0.00122	<0.00367	<0.00122	2.19	<2.53	<5.19	2.19
WSB08-1.0	7/15/2021	1.0	0.7	<0.000780	0.00178	<0.000497	0.000639	0.000241	2.82	<2.0	3.91	6.73
WSB08-25.0	7/15/2021	25.0	0.8	<0.000704	<0.000704	<0.000704	<0.00211	<0.00211	1.93	<3.17	<5.88	1.93
WSB09-1.0	7/15/2021	1.0	1.8	<0.000512	<0.000512	<0.000512	<0.00154	<0.00154	1.97	<2.17	<4.67	1.97
WSB09-26.0	7/15/2021	26.0	3,304	0.201	<0.162	1.47	13.8	12.5	122	187	110	**419**
WSB10-1.0	7/15/2021	1.0	0.9	<0.000532	<0.000532	<0.000532	<0.00160	<0.00160	3.05	3.91	<5.38	6.96
WSB10-24.0	7/15/2021	24.0	1.2	<0.000604	<0.000604	<0.000604	<0.00181	<0.00181	2.69	1.23	<5.89	3.92
Philip Environmental Services Corp. Site Investigation Field Screening Results												
SB-13	4/25/1995	18.5	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/25/1995	21.0	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-14	4/25/1995	15.5	4	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/25/1995	23.5	4	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-15	4/25/1995	15.0	382	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/25/1995	19.5	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-16	4/25/1995	13.5	1,142	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/25/1995	23.5	4	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-17	4/26/1995	17.0	1,601	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/26/1995	25.0	2	NA	NA	NA	NA	NA	NA	NA	NA	**NA**
SB-18	4/26/1995	17.0	435	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/26/1995	21.0	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-19	4/26/1995	15.0	4	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/26/1995	23.0	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-20	4/27/1995	13.0	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/1995	19.0	1	NA	NA	NA	NA	NA	NA	NA	NA	NA

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TABLE 3
DELINEATION SOIL SAMPLE ANALYTICAL RESULTS
Bloomfield Crude Station
Western Refining Southwest LLC
Bloomfield, New Mexico

Sample Designation	Date	Depth (feet bgs)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release (Groundwater <50 feet)			NE	**10**	NE	NE	NE	**50**	NE	NE	NE	**100**
SB-21	4/27/1995	13.0	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/27/1995	21.0	1	NA	NA	NA	NA	NA	NA	NA	NA	**NA**

Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NA: not analyzed
NE: not established
NM: not measured
NMOCD: New Mexico Oil Conservation Division
BTEX: benzene, toluene, ethylbenzene, and xylenes
GRO: gasoline range organics
DRO: diesel range organics
MRO: motor oil range organics
TPH: total petroleum hydrocarbon
PID: photoionization detector
ppm: parts per million
<0.037: indicates result less than the stated laboratory reporting limit (RL)

*Concentrations in **bold** and tan shading exceed the New Mexico Oil Conservation Division Table 1 Closure Criteria for Soils Impacted by a Release*

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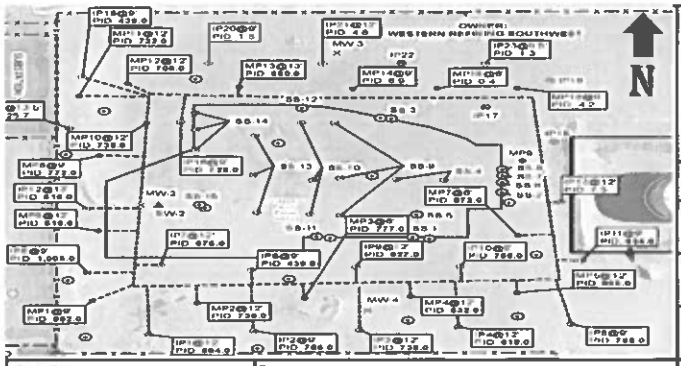
APPENDIX A

Field Boring Logs



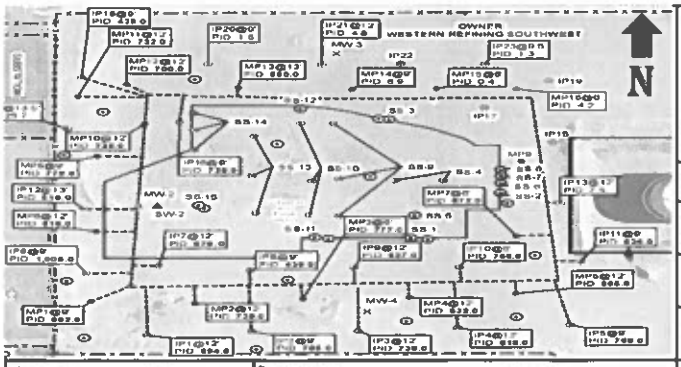
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH01	Project: Bloomfield Crude Station
Date: 2/17/22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456'	Detector: PID
Drilling Method: Direct Puch	Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips
Grout: Bentonite-Cement Slurry	
Casing Type: Schedule 40 PVC	Diameter: 2" Length:
Hole Diameter: 2.5"	Depth to Liquid:
Screen Type: Schedule 40 PVC	Slot: 0.010" Diameter: 2" Length:
Total Depth:	Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	0.2	N		0 1 2 3 4	1		SP	0'-4' coarse lt. brown sand	
	m	0.8	N		5 6 7 8	2		SM	4'-8' Coarse sand w/ fine sand & silt lt. brown	
	m	227	Y	BH0 8-12' 9:15	9 10 11 12	3		SM	8'-12' Black, HC Stain, fine sand & silt Slight odor	
	M	46.6	Y		13 14 15			SM	12'-16' HC Stain end @ 13' lt' brown silty sand	

Boring/Well #	BH01
Project:	Bloomfield Crude Station
Project #	31403968.000
Date	2/17/23

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	M	1.8	N	BH01 16-20' 9:25	15–37			SM	16-20' lt. brown coarse sand, few silt, Saturated @ 19' TD = 20' No well installed	



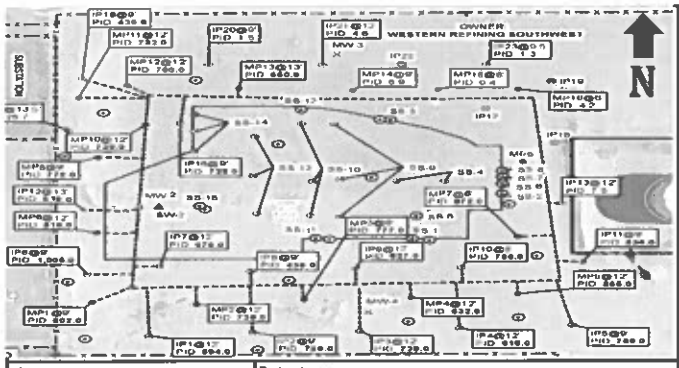
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH02	Project: Bloomfield Crude Station
Date: 2/17/22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456	Detector: PID
Drilling Method: Direct Puch	Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips
	Grout: Bentonite-Cement Slurry
Casing Type: Schedule 40 PVC	Diameter: 2" Length:
	Hole Diameter: Depth to Liquid:
Screen Type: Schedule 40 PVC	Slot: 0.010" Diameter: 2" Length:
	Total Depth: Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	1.4	N		0 1 2 3 4			SP	lt. brown course sand NO stain/odor	
	m	1.0	N		5 6 7 8			SP	SAA	
	m	2.8	N		9 10 11 12			SM	lt. brown silty sand NO stain/odor	
	m	456	Y	9:46	13 14 15			SM	Dark brown Sandy silt few clay HC Stain 12-14'	

Boring/Well #	BH02
Project:	Bloomfield Crude Station
Project #	31403968.000
Date	2-17-22

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	Sat	12.8	N	9:50	15–37			SM	Saturated lt. brown coarse sand TD = 20'	



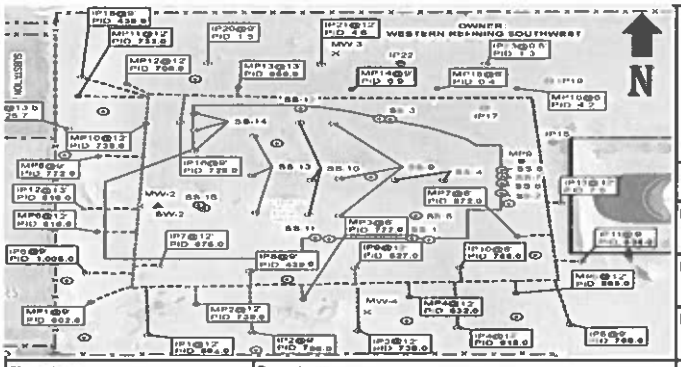
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH03	Project: Bloomfield Crude Station
Date: 2-17-22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456	Detector: PID
Drilling Method: Direct Puch	Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips
Grout: Bentonite-Cement Slurry	
Casing Type: Schedule 40 PVC	Diameter: 2" Length:
Hole Diameter:	Depth to Liquid:
Screen Type: Schedule 40 PVC	Slot: 0.010" Diameter: 2" Length:
Total Depth:	Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	1.6	N		0–4			SP	lt. brown coarse Sand No Stain/odor	
	m	1.9	N		5–8			SP	SAA	
	m	2.4	N		9–12			SM	lt brown, Silty Sand No Stain/odor	
	m	725	Y	b.co	13–15			SM	Dark gray, HC Stain Strong odor, Sandy Silt	

Boring/Well #	BH03
Project	Bloomfield Crude Station
Project #	31403968.000
Date	2-17-22

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	M	42	N	10:10	15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37			SM	moist silty sand dark brown, black organic TD = 20' No well insctl'	



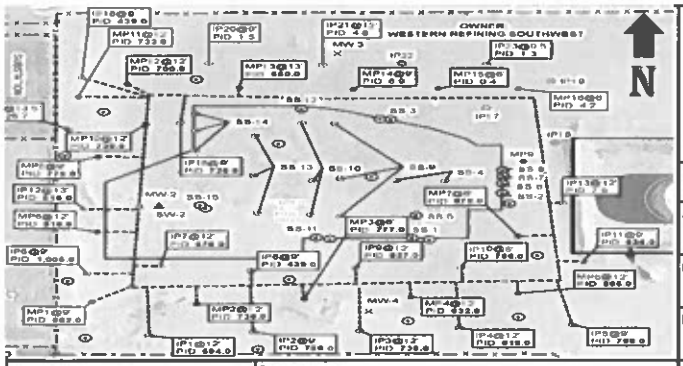
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH04	Project: Bloomfield Crude Station
Date: 2-17-22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456	Detector: PID
Drilling Method: Direct Puch	Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips
Grout: Bentonite-Cement Slurry	
Casing Type: Schedule 40 PVC	Diameter: 2" Length:
Hole Diameter:	Depth to Liquid:
Screen Type: Schedule 40 PVC	Slot: 0.010"
Diameter: 2" Length:	Total Depth:
Depth to Water:	

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	2.8	N		0-5			SP	lt brown coarse sand NO stain/odor	
	m	3.7	N		5-10			SP	SAA	
	m	130	Y		10-12			SM	Dark brown silty sand HC stain @ 10' to 12'	
	m	476	Y	10:20	12-15			SM	Dark gray, silty Sand HC Stain Slight odor	

Boring/Well #	BH01
Project:	Bloomfield Crude Station
Project #	31403968.000
Date	2-17-22

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	M	126	N	10:35	15–37			SM	Dark brown Silty Sand very moist HC Soain ends @ 16.5'	



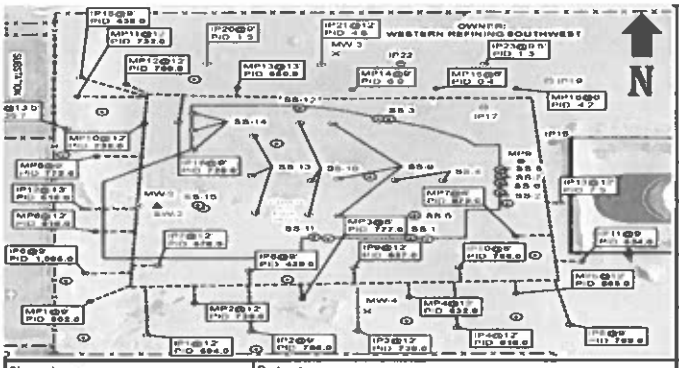
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH05	Project: Bloomfield Crude Station
Date: 2-17-22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456	Detector: PID
Drilling Method: Direct Puch	Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips
Grout: Bentonite-Cement Slurry	
Casing Type: Schedule 40 PVC	Diameter: 2" Length:
Hole Diameter:	Depth to Liquid:
Screen Type: Schedule 40 PVC	Slot: 0.010" Diameter: 2" Length:
Total Depth:	Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	3.5	N		0 1 2 3 4			SP	lt. brown course Sand NO stain/odor	
	m	4.2	N		5 6 7 8 9			SP	SAA	
	m	4.8	N		10 11 12 13			SM	lb. brown Silby Sand NO Stain/odor	
	m	46.8	N	~~11:20~~ 10:50	14 15			SM	Dark brown Silby Sand	

Boring/Well #	BH05
Project:	Bloomfield Crude Station
Project #	31403968.000
Date	2-17-22

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	Vm	17.6	N	11:00	15–37			SM	Dark brown sand Saturated 16.5'-18' silty sand 18'-20'	



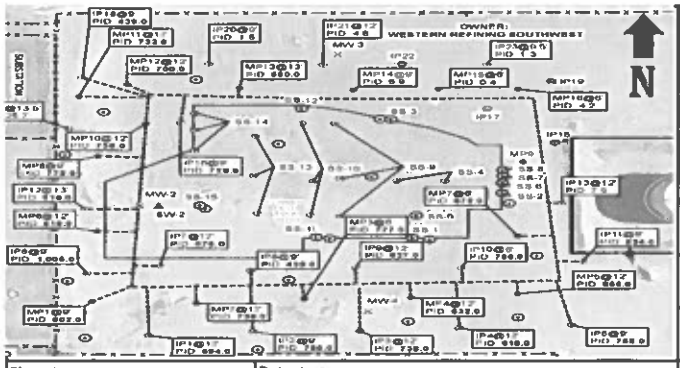
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH06	Project: Bloomfield Crude Station
Date: 2-17-22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456	Detector: PID
Drilling Method: Direct Puch	Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips
Grout: Bentonite-Cement Slurry	
Casing Type: Schedule 40 PVC	Diameter: 2" Length:
Hole Diameter:	Depth to Liquid:
Screen Type: Schedule 40 PVC	Slot: 0.010" Diameter: 2" Length:
Total Depth:	Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	1.8	N		0 1 2 3 4			SP	lt. brown coarse sand No stain/odor	
	m	3.6	N		5 6 7 8 9			SM	Dark red brown silty sand no stain/odor Dark brown silty sand some clay No stain/odor	
	m	3.6	N		10 11 12 13			SM	SAA	
	m	3.8	N	11:15	14 15			SM	Saturated coarse sand 14'-15'	

Boring/Well #	BH06
Project:	Bloomfield Crude Station
Project #	31403968.000
Date	2-17-22

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	2.8	N	11:30	18			SM	Dark brown sandy clay No stain/odor	
					22				TD = 20' No well install	



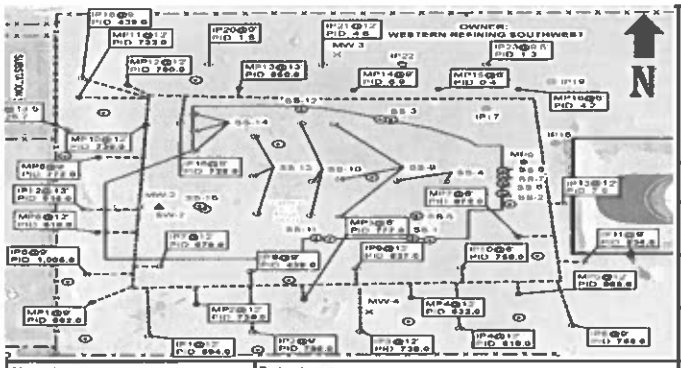
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH07	Project: Bloomfield Crude Station
Date: 2-17-22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456 / Detector: PID	Drilling Method: Direct Puch / Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips / Grout: Bentonite-Cement Slurry
Casing Type: Schedule 40 PVC / Diameter: 2" / Length:	Hole Diameter: / Depth to Liquid:
Screen Type: Schedule 40 PVC / Slot: 0.010" / Diameter: 2" / Length:	Total Depth: / Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	M	2.5	N		0-2			SP	Dark red brown Sand, some Silt	
	M	33.7	Y		5-6			SP	SAA above Black HC staining 6'+	
	M	130	Y		9-11			SM	Dark brown silty sand HC Stain Stops @ 9'	
	M VM	16.2	Y		13-15			SM	HC Stain to 15' Saturated 14-15' coarse Sand Dark brown ~~Sandy clay~~ silty Sand	

Boring/Well #	B1107
Project:	Bloomfield Crude Station
Project #	31403968.000
Date	7-17-23

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	M	2.5	N		15–37				Dark brown silty sand few clay Sandy clay TD = 20'	



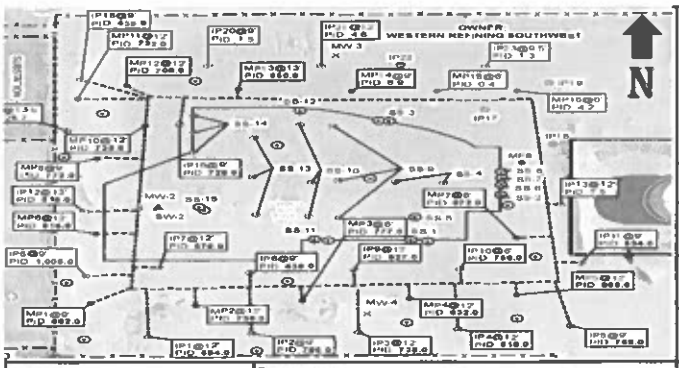
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH08	Project: Bloomfield Crude Station
Date: 2-17-22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456	Detector: PID
Drilling Method: Direct Puch	Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips
Grout: Bentonite-Cement Slurry	
Casing Type: Schedule 40 PVC	Diameter: 2" Length:
Hole Diameter:	Depth to Liquid:
Screen Type: Schedule 40 PVC	Slot: 0.010" Diameter: 2" Length:
Total Depth:	Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	1.2	N		0-4			SP	lt. Brown coarse Sand No Stain/odor	
	m	414	Y		5-8			SP	Dark brown, sand, some silt HC Stain @ 6' Slight odor	
	m	655	Y		9-12			SM	Dark gray HC Stained Silty Sand	
	m	751	Y	12:45	13-15			SM	SAA HC Stain & odor Saturated 14-15'	

Boring/Well #	BH08
Project	Bloomfield Crude Station
Project #	31403968.000
Date	2-17-22

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	VM	22.8	N	13:00	15–37			SM	Brown silty sand some clay very moist Sat. 19' +	



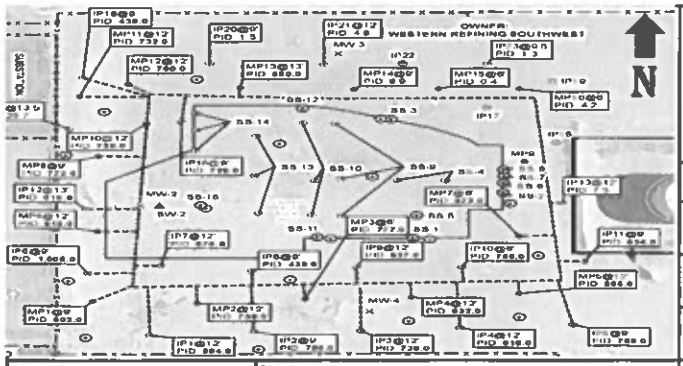
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH09	Project: Bloomfield Crude Station
Date: 2-17-22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456	Detector: PID
Drilling Method: Direct Puch	Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips
Grout: Bentonite-Cement Slurry	
Casing Type: Schedule 40 PVC	Diameter: 2" Length:
Hole Diameter:	Depth to Liquid:
Screen Type: Schedule 40 PVC	Slot: 0.010" Diameter: 2" Length:
Total Depth:	Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	3.5	N		0 1 2 3 4			SP	lt. brown loose coarse Sand No Stain/odor	
	m	5.0	N		5 6 7 8			SM	Dark brown silty Sand No Stain/odor	
	m	6.5	N	B:10	9 10 11 12			SM	Dark brown silty Sand some clay	
	m	4.7	N		13 14 15			SM	SAA	

Boring/Well #	BH09
Project:	Bloomfield Crude Station
Project #	31403968.000
Date	2-17-22

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	3.9	N	13:20	15–37			SM	Dark brown silty sand, some clay	



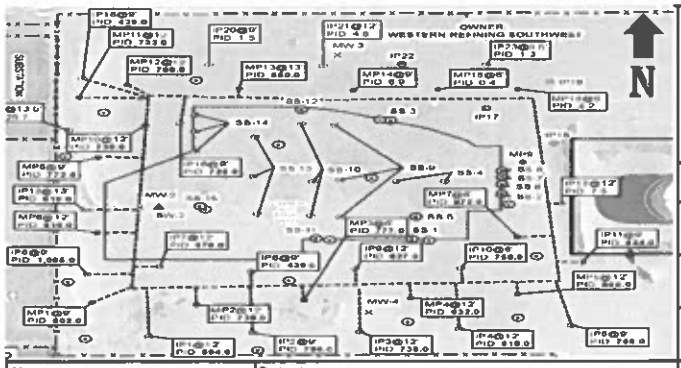
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH 10	Project: Bloomfield Crude Station
Date: 2-17-22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456 / Detector: PID	Drilling Method: Direct Puch / Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips / Grout: Bentonite-Cement Slurry
Casing Type: Schedule 40 PVC	Diameter: 2" / Length: / Hole Diameter: / Depth to Liquid:
Screen Type: Schedule 40 PVC / Slot: 0.010"	Diameter: 2" / Length: / Total Depth: / Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	4.7	N		0–1			SP	lt. brown loose coarse Sand	
					4–5				Dark brown silty Sand	
	m	704	N	13:30	6			SM	HC stain @ 7.5'	
					9				SAA	
	m	491	Y		10–11			SM	HC stain ends @ 10'	
					13				Dark brown silty sand	
	m	8.6	N		14			SM	Some clay	

Boring/Well #	BH 10
Project:	Bloomfield Crude Station
Project #	31403968.000
Date	2-17-22

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	M	5.8	N	13:40	15–37			SM	Brown, silty sand few clay Saturated coarse sand 19.5 - 20'	



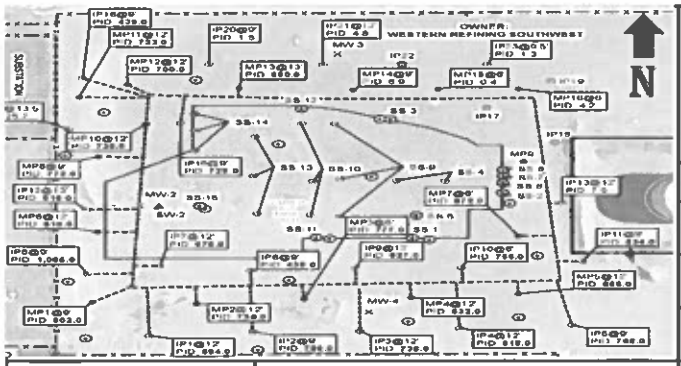
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH11	Project: Bloomfield Crude Station
Date: 2-17-22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456 / Detector: PID	Drilling Method: Direct Puch / Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips / Grout: Bentonite-Cement Slurry
Casing Type: Schedule 40 PVC / Diameter: 2" / Length:	Hole Diameter: / Depth to Liquid:
Screen Type: Schedule 40 PVC / Slot: 0.010" / Diameter: 2" / Length:	Total Depth: / Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	1.6	N		0–4			SP	lt. brown loose coarse Sand NO Stain/odor	
	m	1.3	N		5–8			SP	SAA	
	m	1.7	N		9–12			SM	Dark brown Silty sand few clay	
	m	2.5	N	13:50	13–15			SM	SAA	

Boring/Well #	BH11
Project:	Bloomfield Crude Station
Project #	31403968.000
Date	2-17-22

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	M	0.9	N	14:05	15–37			SM	Dark brown silty Sand, few clay	



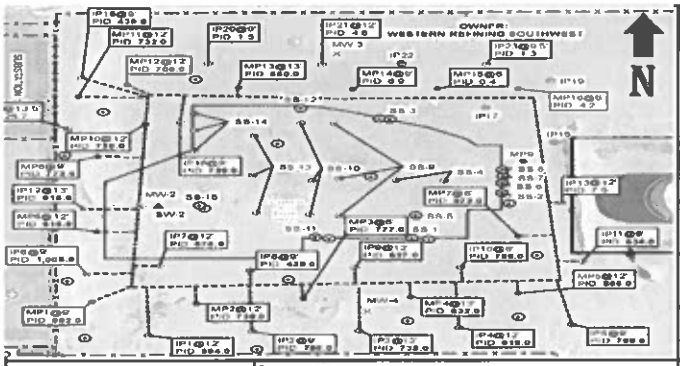
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH12	Project: Bloomfield Crude Station
Date: 2-17-22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456	Detector: PID
Drilling Method: Direct Puch	Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips
Grout: Bentonite-Cement Slurry	
Casing Type: Schedule 40 PVC	Diameter: 2" Length:
Hole Diameter:	Depth to Liquid:
Screen Type: Schedule 40 PVC	Slot: 0.010" Diameter: 2" Length:
Total Depth:	Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	2.0	N		0 1 2 3 4			SP	lt. brown, loose, coarse Sand No stain/odor	
	m	2.2	N	14:15	5 6 7 8			SP	SAA	
	m	1.6	N		9 10 11 12			SM	Red brown, loose, coarse Sand, little silt	
	Vm	0.9	N		13 14 15			SP ~~SAA~~	Red brown, coarse sand Saturated 14-16' w/ black Organics	

Boring/Well #	BH 12
Project	Bloomfield Crude Station
Project #	31403968.000
Date	2-17-22

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	Wet	1.2	N	14:30	15–37			SM	Dark brown, dense, firm Silty Sand, few clay	



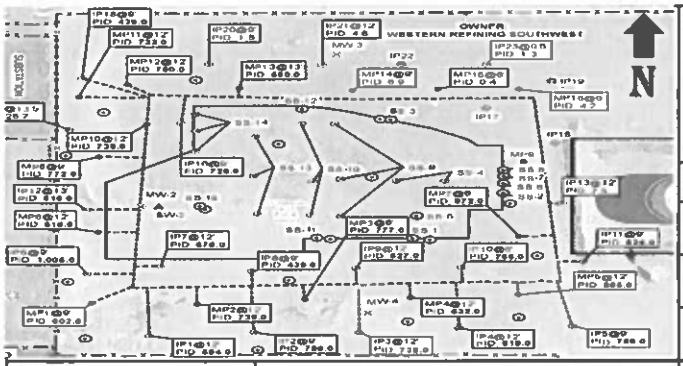
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH13	Project: Bloomfield Crude Station
Date: 2-18-22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456	Detector: PID
Drilling Method: Direct Puch	Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips
Grout: Bentonite-Cement Slurry	
Casing Type: Schedule 40 PVC	Diameter: 2" Length:
Hole Diameter:	Depth to Liquid:
Screen Type: Schedule 40 PVC	Slot: 0.010" Diameter: 2" Length:
Total Depth:	Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	0.6	N		0 1 2 3 4			SP	lt. brown, loose, coarse Sand	
	m	1.0	N		5 6 7 8 9			SP	SAA	
	m	1.4	N		10 11 12 13			SP	SAA	
	m	2.4	N	1:30	14			SM	Red brown silty Sand Saturated gray Sand	
	S				15					

Boring/Well #	BH13
Project:	Bloomfield Crude Station
Project #	31403968.000
Date	7-18-22

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	M		N		15			SM	Gray brown Sandy ~~clay~~ Silt Some clay	
					16					
					17			SM	Gray brown Sandy ~~clay~~ Silt Some clay	
	M	1.2	N	9:40	18				Saturated Sand @ 18'	
					19					
					20					
					21				TD = 20'	
					22					
					23					
					24					
					25					
					26					
					27					
					28					
					29					
					30					
					31					
					32					
					33					
					34					
					35					
					36					
					37					



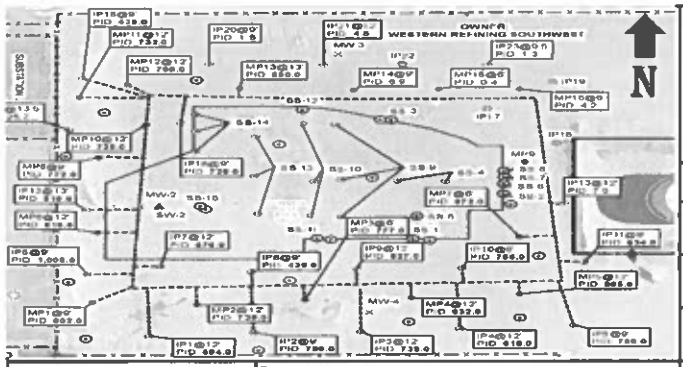
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: B14/14	Project: Bloomfield Crude Station
Date: 2-18-22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456	Detector: PID
Drilling Method: Direct Puch	Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips
Grout: Bentonite-Cement Slurry	
Casing Type: Schedule 40 PVC	Diameter: 2" Length:
Hole Diameter:	Depth to Liquid:
Screen Type: Schedule 40 PVC	Slot: 0.010" Diameter: 2" Length:
Total Depth:	Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	M	1.4	N		0-2			SP	12. brown, loose, coarse sand	
	M	4.0	N	9:50	5-6			SP	SAA	
	M	1.8	N		8-10			SM	Dark brown, silty sand	
	M-S	2.2	N		12-14			SM	Brown silty sand Saturated sand 14-15'	

Boring/Well #	BH 14
Project	Bloomfield Crude Station
Project #	31403968.000
Date	7-18-22

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	0.3	N	KW	15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37			SM	very moist, brown, silty Sand, some clay	



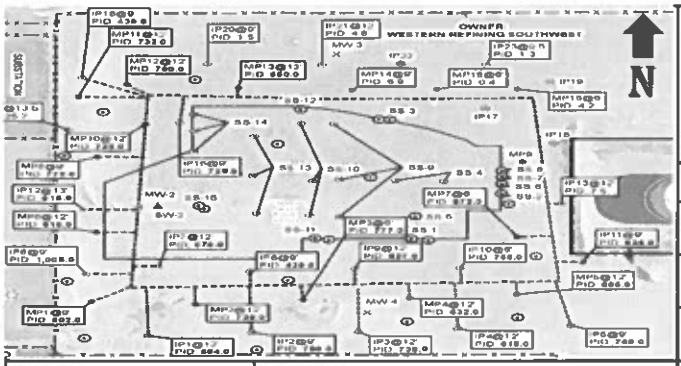
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH15	Project: Bloomfield Crude Station
Date: 2-18-22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456	Detector: PID
Drilling Method: Direct Puch	Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips
Grout: Bentonite-Cement Slurry	
Casing Type: Schedule 40 PVC	Diameter: 2" Length:
Hole Diameter:	Depth to Liquid:
Screen Type: Schedule 40 PVC	Slot: 0.010" Diameter: 2" Length:
Total Depth:	Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	4.3	N	10:10	0 1 2 3 4			SP	lt. brown, coarse, sand	
	M	3.0	N		5 6 7 8			SM	Brown, compact, silty Sand	
	m	1.5	N		9 10 11 12			SM	Brown, silty sand, some clay	
	m	3.1	N		13 14 15			SM	moist fine sand, w/ coarse sand lenses Sat. @ 15'	

Boring/Well #	BH15
Project:	Bloomfield Crude Station
Project #	31403968.000
Date	2-18-22

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	M	1.7	N	10:20	15–37			SM	Moist, brown, silty Sand some clay Saturated 18-19' TD - 20'	



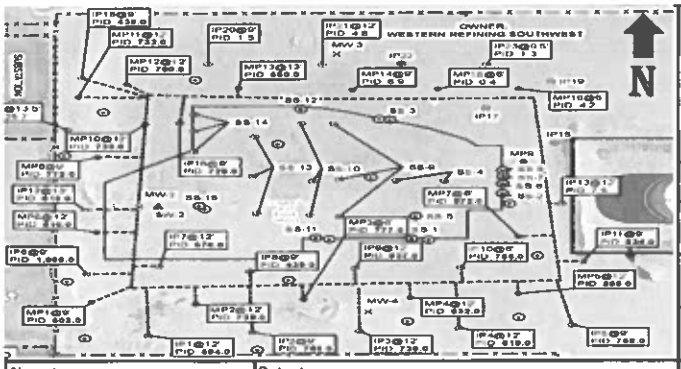
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH16	Project: Bloomfield Crude Station
Date: 2-18-25	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456 / Detector: PID	Drilling Method: Direct Puch / Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips / Grout: Bentonite-Cement Slurry
Casing Type: Schedule 40 PVC / Diameter: 2" / Length:	Hole Diameter: / Depth to Liquid:
Screen Type: Schedule 40 PVC / Slot: 0.010" / Diameter: 2" / Length:	Total Depth: / Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	1.3	N		0–4			SP	lt. brown, loose, coarse sand	
	m	1.1	N		5–8			SM	Brown, medium sand, some silt	
	m	2.8	N		9–12			SM	SAA	
	m	3.2	N	10.35	13–15			SM	Brown, coarse sand, few fines (silt/clay)	

Boring/Well #	B11/6
Project	Bloomfield Crude Station
Project #	31403968.000
Date	2-16-26

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	M	26	N	10:46	15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37			SM	Brown, Sand, ~~Same~~ little fines, Saturated 17-18'	



BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH17	Project: Bloomfield Crude Station
Date: 2-18-22	Project Number: 31403968.000
Logged By: E. Carroll	Drilled By: Earthworx
Elevation: 5456	Detector: PID
Drilling Method: Direct Puch	Sampling Method: Direct Push Sleeve
Gravel Pack: 10-20 Silica Sand	Seal: Hydrated Bentonite Chips
Grout: Bentonite-Cement Slurry	
Casing Type: Schedule 40 PVC	Diameter: 2" Length:
Hole Diameter:	Depth to Liquid:
Screen Type: Schedule 40 PVC	Slot: 0.010" Diameter: 2" Length:
Total Depth:	Depth to Water:

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	m	0.6	N		0 1 2 3 4			SP	lt. brown, loose, coarse Sand	
	m	1.0	N		5 6 7 8			SP	SAA	
	m	1.0	N		9 10 11 12			SP	SAA	
	m	0.7	N		13 14 15			SM	Brown Sand, few Silt	

Boring/Well #	BH17
Project	Bloomfield Crude Station
Project #	31403968.000
Date	2-18-22

Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
	M	2.5	N	11:00	15–37			SM	Dark brown sand some Silt, Black ash/organics 18-19'	

ENSOLUM

Client: MPC
Project Name: BCS
Project Location: Bloomfield NM
Project Manager: S. Hyde

BORING LOG NUMBER
BH18
Project No.

Date Sampled: 8-17
Drilled by: Earthwork
Driller: L. Trujillo
Logged by: E. Carroll
Sampler: EJ

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:
Bench Mark Elevation:
At Completion
At Well Stabilization

Borehole Diameter: 2.5
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method: DP

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIOMETRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0	0-4			0.7		SP	lt. brown silty sand, some gravel no stain/odor	
5	4-8			0.0		SM	moist dark brown, silty sand	
10	8-12			0.0		SC	moist, brown, clayey sand	
15	12-16			0.0	▽	SP	very moist, coarse sand, few silt	
20	16-20			0.0		SP	saturated, coarse sand	
25								

ENSOLUM

Client: MPC
Project Name: BCS
Project Location: Bloomfield
Project Manager: S. Hyde

BORING LOG NUMBER
BH19
Project No.

Date Sampled: 8-17
Drilled by: Earthworx
Driller: L Trujino
Logged by: E. Carroll
Sampler: "

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:
Bench Mark Elevation:
At Completion
At Well Stabilization

Borehole Diameter: 2.5
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method: DP

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIOMETRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0								
	0-4			0.0		SM	moist, med, Sand, few silt	
5	4-8	V:W		0.0		SM	~~moist~~ SAA	
10	8-12			0.0		SM	moist dark brown silty Sand	
15	12-16			0.0	V	SM	~~moist~~ SAA GW @ 15'	
	16-20	V:20		0.0		SP	Saturated course Sand	
20								
25								

ENSOLUM

Client: MPC
Project Name: BGS
Project Location: Bloomfield
Project Manager: S Hyde

BORING LOG NUMBER: BH20
Project No.:

Date Sampled: 8-17
Drilled by: Earthworx
Driller:
Logged by: E. Carroll
Sampler: "

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:
Bench Mark Elevation:
At Completion
At Well Stabilization

Borehole Diameter: 2.5'
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method: DP

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIOMETRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0								
	0-4			0.3		SP	~~No Recovery~~ moist, coarse sand, few silt	
5	4-8			135		SC	moist, sand, few silt, staining @ 6.5'	
10	8-12	10:30		337		SC	moist, silty sand, staining ~~slight~~ Strong odor	
15	12-16			164		SM	moist, silty sand, staining, slight odor End staing @ 16.5'	
	16-20	10:45				SC	moist, brown clayey, sand	
20								
25								

ENSOLUM

Client: MPC
Project Name: BCS
Project Location: Bloomfield
Project Manager: S Hyde

BORING LOG NUMBER: BH21
Project No.

Date Sampled: 8-17
Drilled by: Earthworx
Driller:
Logged by: E. Carron
Sampler: 11

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:
Bench Mark Elevation:
At Completion
At Well Stabilization

Borehole Diameter: 2.5
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method: DP

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIOMETRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0	0-4			0.0		SP	moist, lt. brown, sand, few silt	
5	4-8			0.2		SP	SAA	
10	8-12			170		SM	moist, silty sand, staining @ 10' slight odor	
	12-16	11:20		464		SM	SAA, staining, strong odor	
15							staining ends @ 16.5'	
	16-20	11:30		0.6		SM	very moist, brown, silty sand	
20								
25								

5

ENSOLUM

Client: MPC
Project Name: BCS
Project Location: Bloomfield
Project Manager: S. Hyde

BORING LOG NUMBER
BH22
Project No.

Date Sampled: 8-17
Drilled by: Earthworx
Driller:
Logged by: E. Carroll
Sampler: 11

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:
Bench Mark Elevation:
At Completion
At Well Stabilization

Borehole Diameter: 2.5
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method: DP

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIOMETRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0	0-4			0.0		SP	Moist red brown, sand, few silt	
5	4-8			0.0		SP	SAA	
10	8-12			0.1		SP	moist to brown Sand Trace Silt	
15	12-16	11:40		0.3		SP	Very moist red brown coarse Sand	
20	16-20	11:50		0.0		SP	very moist, brown Silty Sand	
25								

ENSOLUM

Client: MPC
Project Name: BCS
Project Location: Bloomfield
Project Manager: S Hyde

BORING LOG NUMBER: BH23
Project No.

Date Sampled: 8-17
Drilled by: Earthworx
Driller:
Logged by: E. Carroll
Sampler: "

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:
Bench Mark Elevation:
At Completion
At Well Stabilization

Borehole Diameter: 2.5
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method: DP

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIOMETRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0	0-4	12:46		0.6		SP	Dark, brown, sand, few silt	
5	4-8			0.1		SP	Dark brown, moist, sand some silt	
10	8-12			0.1		SP	SAA	
15	12-16			0.1		SP	SAA	
20	16-20	12:55		0.0		SM	Moist, dark brown, silty sand	
25								

ENSOLUM

Client: MPC
Project Name: BCS
Project Location: Bloomfield
Project Manager: S Hyde

BORING LOG NUMBER
BH24
Project No.

Date Sampled: 8-17
Drilled by: Earthworx
Driller:
Logged by: E. Carroll
Sampler: "

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:
Bench Mark Elevation:
At Completion
At Well Stabilization

Borehole Diameter: 2.5
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method: DP

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIOMETRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0	0-4			0.0		SP	Dry, lt. brown, sand, few silt	
5	4-8			0.0		SP	SAA	
10	8-12	13:15		0.0		SP	moist, dark brown, sand, some silt	
15	12-16			0.0		SC	very moist, dark brown clayey sand	
20	16-20	13:20		0.0		SC	very moist, clayey sand, with interbedded coarse sand	
25								

ENSOLUM

Client: MPC
Project Name: BCS
Project Location: Bloomfield
Project Manager: S Hyde

BORING LOG NUMBER: BH25
Project No.

Date Sampled: 8-17
Drilled by: Earthworks
Driller:
Logged by: E. Carroll
Sampler: "

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:
Bench Mark Elevation:
▽ At Completion
▲ At Well Stabilization

Borehole Diameter: 2-5
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method: DP

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIOMETRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0								
	0-4			0.0		SP	Dry, white/brown coarse sand	
5	4-8			0.0		SP	SAA	
10	8-12			0.1		SP	SAA	
15	12-16			0.0		SM	moist, dark brown, silty sand	
	16-20	13:50		0.0		SP	Dry, loose, brown, coarse sand	
20	20-24	14:00		1841		SP	very moist coarse sand Staining @ 22'	
25								

ENSOLUM

Client: MPC
Project Name: BCS
Project Location: Bloomfield
Project Manager: S Hyde

BORING LOG NUMBER: BH26
Project No.

Date Sampled: 8-17
Drilled by: Earthworx
Driller:
Logged by: E. Carroy
Sampler: "

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:
Bench Mark Elevation:
At Completion
At Well Stabilization

Borehole Diameter: 2.5
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method: DP

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIOMETRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0								
	0-4			0.3		SP	moist, dark brown, sand, some gravel	
5	4-8			0.1		SP	SAA	
	8-12			0.0		SP	SAA	
10	12-16			0.0		SM	moist, dark brown, silty sand	
	16-20			0.3			mo SAA	
15						SP	moist, brown, med.-fine sand	
	20-24			0.0		SP	SAA	
20								
25								

10

ENSOLUM

Client: MPC
Project Name: BCS
Project Location: Bloomfield
Project Manager: SHyde

BORING LOG NUMBER: BH 27
Project No.

Date Sampled: 8-17
Drilled by: Earthworx
Driller:
Logged by: E. Carroll
Sampler:

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:
Bench Mark Elevation:
At Completion
At Well Stabilization

Borehole Diameter: 2.5
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method: DP

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIOMETRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0	0-4			0.3		SP	moist, lt brown, sand, some gravel	
5	4-8			0.1		SP	SAA	
10	8-12			0.1		SP	moist, lt. brown, coarse sand	
15	12-16			383		SP	moist, lt brown, sand, few silt staining @ 15.5'	
						SP	Stained silty sand	
	16-20			3074		19.5' SP	Stained coarse sand	
20	20-24			692		SM	Stained, med sand, little silt	
25								

ENSOLUM

Client: MPC
Project Name: BGS
Project Location: Bloomfield
Project Manager: S Hyde

BORING LOG NUMBER
BH28
Project No.

Date Sampled: 8-17
Drilled by: Earthworx
Driller:
Logged by: E. Carroll
Sampler: 11

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:
Bench Mark Elevation:
At Completion
At Well Stabilization

Borehole Diameter: 2.5
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method: DP

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIOMETRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0	0-4			0.0		SP	moist, lt brown Sand, some gravel	
5	4-8			0.0		SP	SAA	
10	8-12			1.0		SP	SAA	
15	12-16			2.1		SM	moist, brown, silty Sand staining @ 16.5'	
							18'	
20	16-20			2923		SP	moist, stained, coarse Sand	
	20-24			1384		SP	SAA, Sand saturated w/ product	
25								

ENSOLUM

Client: MPC
Project Name: BCS
Project Location: Bloomfield
Project Manager: S Hyde

BORING LOG NUMBER
BH 29
Project No.

Date Sampled: 8-18
Drilled by: Earthworx
Driller:
Logged by: E. Carroll
Sampler: IT

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:
Bench Mark Elevation:
At Completion
At Well Stabilization

Borehole Diameter: 2.5
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method: DP

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIOMETRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0	0-4			1.0		SP	Dry white brown, Sand, few silt	
5	4-8			0.4		SP	SAA	
10	8-12			0.0		SP	moist, brown, med sand, little silt	
15	12-16	12-16		1680		SM	moist brown, silty sand, staining @ 13.5'	
				963		SM	SAA staining / slight odor	
	16-20				▽ 14'			
20		19.5-20		2.6		SC	moist brown clay cohesive, plastic	
25								

ENSOLUM

Client: MPC
Project Name: BCS
Project Location: Bloomfield
Project Manager: S Hyde

BORING LOG NUMBER: BH30
Project No.

Date Sampled: 8-18
Drilled by: Earthwork
Driller:
Logged by: E. Carroll
Sampler: IT

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:
Bench Mark Elevation:
At Completion
At Well Stabilization

Borehole Diameter: 2.5
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method: DP

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIOMETRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0	0-4			0.0		SP	Dry, white/brown, coarse sand few gravel	
5	4-8			0.0		SP	SAA	
10	8-12					SM	Moist, dark brown, silty sand	
15	12-16	12-16		361		SM	moist, dark brown silty sand staining @ 13' little clay	
				247		SP	wet coarse sand staining	
20	16-20	16-20		0.6		SC	Brown clay cohesive plastic	
25								

ENSOLUM

Client: MPC
Project Name: BC 5
Project Location: Bloomfield
Project Manager: S Hyde

BORING LOG NUMBER
BH31
Project No.

Date Sampled: 8-18
Drilled by: Earthworx
Driller:
Logged by: E. Carroll
Sampler:

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:
Bench Mark Elevation:
At Completion
At Well Stabilization

Borehole Diameter: 2.5
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method: DP

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIOMETRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0	0-4			0.0		SP	Dry, white brown, sand, few gravel	
5	4-8			0.0		SP	SAA	
10	8-12			0.3		SP	moist, dark brown silty Sand	
15	12-16	12-16		0.7		SP	SAA	
20	16-20	16-20				SP	wet course Sand, brown	
25								

ENSOLUM

APPENDIX B

Laboratory Analytical Reports

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

March 08, 2022

Stuart Hyde
WSP
848 East 2nd Avenue
Durango, CO 81301
TEL: (970) 946-1093
FAX

RE: BCS OrderNo.: 2202944

Dear Stuart Hyde:

Hall Environmental Analysis Laboratory received 34 sample(s) on 2/19/2022 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 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH01 8-12
Project: BCS
Collection Date: 2/17/2022 9:15:00 AM
Lab ID: 2202944-001 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	1000	90		mg/Kg	10	2/26/2022 11:16:57 AM
Motor Oil Range Organics (MRO)	530	450		mg/Kg	10	2/26/2022 11:16:57 AM
Surr: DNOP	0	51.1-141	S	%Rec	10	2/26/2022 11:16:57 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	160	25		mg/Kg	5	2/23/2022 5:09:00 AM
Surr: BFB	218	70-130	S	%Rec	5	2/23/2022 5:09:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.12		mg/Kg	5	2/23/2022 5:09:00 AM
Toluene	ND	0.25		mg/Kg	5	2/23/2022 5:09:00 AM
Ethylbenzene	0.61	0.25		mg/Kg	5	2/23/2022 5:09:00 AM
Xylenes, Total	3.3	0.49		mg/Kg	5	2/23/2022 5:09:00 AM
Surr: 4-Bromofluorobenzene	133	70-130	S	%Rec	5	2/23/2022 5:09:00 AM

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 Quanitative 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

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH01 16-20
Project: BCS **Collection Date:** 2/17/2022 9:25:00 AM
Lab ID: 2202944-002 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/23/2022 7:43:45 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/23/2022 7:43:45 PM
Surr: DNOP	107	51.1-141		%Rec	1	2/23/2022 7:43:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/23/2022 5:29:00 AM
Surr: BFB	107	70-130		%Rec	5	2/23/2022 5:29:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.12		mg/Kg	5	2/23/2022 5:29:00 AM
Toluene	ND	0.24		mg/Kg	5	2/23/2022 5:29:00 AM
Ethylbenzene	ND	0.24		mg/Kg	5	2/23/2022 5:29:00 AM
Xylenes, Total	ND	0.48		mg/Kg	5	2/23/2022 5:29:00 AM
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	5	2/23/2022 5:29:00 AM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH02 12-16
Project: BCS
Collection Date: 2/17/2022 9:40:00 AM
Lab ID: 2202944-003 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	280	9.0		mg/Kg	1	2/23/2022 7:54:15 PM
Motor Oil Range Organics (MRO)	160	45		mg/Kg	1	2/23/2022 7:54:15 PM
Surr: DNOP	103	51.1-141		%Rec	1	2/23/2022 7:54:15 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	170	4.6		mg/Kg	1	2/23/2022 5:48:00 AM
Surr: BFB	624	70-130	S	%Rec	1	2/23/2022 5:48:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	2/23/2022 5:48:00 AM
Toluene	ND	0.046		mg/Kg	1	2/23/2022 5:48:00 AM
Ethylbenzene	0.64	0.046		mg/Kg	1	2/23/2022 5:48:00 AM
Xylenes, Total	1.1	0.093		mg/Kg	1	2/23/2022 5:48:00 AM
Surr: 4-Bromofluorobenzene	183	70-130	S	%Rec	1	2/23/2022 5:48:00 AM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH02 16-20
Project: BCS
Collection Date: 2/17/2022 9:50:00 AM
Lab ID: 2202944-004 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	2/23/2022 8:04:45 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	2/23/2022 8:04:45 PM
Surr: DNOP	121	51.1-141		%Rec	1	2/23/2022 8:04:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/23/2022 6:07:00 AM
Surr: BFB	120	70-130		%Rec	1	2/23/2022 6:07:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	2/23/2022 6:07:00 AM
Toluene	ND	0.048		mg/Kg	1	2/23/2022 6:07:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	2/23/2022 6:07:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	2/23/2022 6:07:00 AM
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	2/23/2022 6:07:00 AM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH03 12-16
Project: BCS
Collection Date: 2/17/2022 10:00:00 AM
Lab ID: 2202944-005 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	210	9.2		mg/Kg	1	2/23/2022 8:15:13 PM
Motor Oil Range Organics (MRO)	130	46		mg/Kg	1	2/23/2022 8:15:13 PM
Surr: DNOP	109	51.1-141		%Rec	1	2/23/2022 8:15:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	1000	96		mg/Kg	20	2/23/2022 6:27:00 AM
Surr: BFB	298	70-130	S	%Rec	20	2/23/2022 6:27:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	0.81	0.48		mg/Kg	20	2/23/2022 6:27:00 AM
Toluene	ND	0.96		mg/Kg	20	2/23/2022 6:27:00 AM
Ethylbenzene	3.0	0.96		mg/Kg	20	2/23/2022 6:27:00 AM
Xylenes, Total	31	1.9		mg/Kg	20	2/23/2022 6:27:00 AM
Surr: 4-Bromofluorobenzene	129	70-130		%Rec	20	2/23/2022 6:27:00 AM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH03 16-20
Project: BCS
Collection Date: 2/17/2022 10:10:00 AM
Lab ID: 2202944-006 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	320	9.7		mg/Kg	1	2/22/2022 7:04:24 PM
Motor Oil Range Organics (MRO)	180	48		mg/Kg	1	2/22/2022 7:04:24 PM
Surr: DNOP	100	51.1-141		%Rec	1	2/22/2022 7:04:24 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	110	24		mg/Kg	5	2/23/2022 12:12:50 AM
Surr: BFB	368	70-130	S	%Rec	5	2/23/2022 12:12:50 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.12		mg/Kg	5	2/23/2022 12:12:50 AM
Toluene	ND	0.24		mg/Kg	5	2/23/2022 12:12:50 AM
Ethylbenzene	ND	0.24		mg/Kg	5	2/23/2022 12:12:50 AM
Xylenes, Total	0.59	0.49		mg/Kg	5	2/23/2022 12:12:50 AM
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	5	2/23/2022 12:12:50 AM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH04 12-16
Project: BCS
Collection Date: 2/17/2022 10:20:00 AM
Lab ID: 2202944-007 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	170	7.9		mg/Kg	1	2/22/2022 7:47:03 PM
Motor Oil Range Organics (MRO)	100	39		mg/Kg	1	2/22/2022 7:47:03 PM
Surr: DNOP	115	51.1-141		%Rec	1	2/22/2022 7:47:03 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	140	24		mg/Kg	5	2/23/2022 12:36:19 AM
Surr: BFB	258	70-130	S	%Rec	5	2/23/2022 12:36:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.12		mg/Kg	5	2/23/2022 12:36:19 AM
Toluene	ND	0.24		mg/Kg	5	2/23/2022 12:36:19 AM
Ethylbenzene	0.39	0.24		mg/Kg	5	2/23/2022 12:36:19 AM
Xylenes, Total	4.3	0.47		mg/Kg	5	2/23/2022 12:36:19 AM
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	5	2/23/2022 12:36:19 AM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH04 16-20
Project: BCS
Collection Date: 2/17/2022 10:35:00 AM
Lab ID: 2202944-008 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/22/2022 7:57:42 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/22/2022 7:57:42 PM
Surr: DNOP	101	51.1-141		%Rec	1	2/22/2022 7:57:42 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2022 12:59:43 AM
Surr: BFB	114	70-130		%Rec	1	2/23/2022 12:59:43 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	2/23/2022 12:59:43 AM
Toluene	ND	0.049		mg/Kg	1	2/23/2022 12:59:43 AM
Ethylbenzene	ND	0.049		mg/Kg	1	2/23/2022 12:59:43 AM
Xylenes, Total	ND	0.097		mg/Kg	1	2/23/2022 12:59:43 AM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/23/2022 12:59:43 AM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH05 12-16
Project: BCS
Collection Date: 2/17/2022 10:50:00 AM
Lab ID: 2202944-009 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	37	9.4		mg/Kg	1	2/22/2022 8:08:21 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/22/2022 8:08:21 PM
Surr: DNOP	105	51.1-141		%Rec	1	2/22/2022 8:08:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/23/2022 1:23:03 AM
Surr: BFB	113	70-130		%Rec	5	2/23/2022 1:23:03 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.12		mg/Kg	5	2/23/2022 1:23:03 AM
Toluene	ND	0.24		mg/Kg	5	2/23/2022 1:23:03 AM
Ethylbenzene	ND	0.24		mg/Kg	5	2/23/2022 1:23:03 AM
Xylenes, Total	ND	0.48		mg/Kg	5	2/23/2022 1:23:03 AM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	2/23/2022 1:23:03 AM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH05 16-20
Project: BCS **Collection Date:** 2/17/2022 11:00:00 AM
Lab ID: 2202944-010 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	12	10		mg/Kg	1	2/22/2022 8:18:59 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/22/2022 8:18:59 PM
Surr: DNOP	99.0	51.1-141		%Rec	1	2/22/2022 8:18:59 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	7.1	4.8		mg/Kg	1	2/23/2022 2:32:55 AM
Surr: BFB	141	70-130	S	%Rec	1	2/23/2022 2:32:55 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	2/23/2022 2:32:55 AM
Toluene	ND	0.048		mg/Kg	1	2/23/2022 2:32:55 AM
Ethylbenzene	ND	0.048		mg/Kg	1	2/23/2022 2:32:55 AM
Xylenes, Total	ND	0.096		mg/Kg	1	2/23/2022 2:32:55 AM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	2/23/2022 2:32:55 AM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH06 12-16
Project: BCS
Collection Date: 2/17/2022 11:15:00 AM
Lab ID: 2202944-011 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/22/2022 8:29:41 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/22/2022 8:29:41 PM
Surr: DNOP	101	51.1-141		%Rec	1	2/22/2022 8:29:41 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/23/2022 2:56:10 AM
Surr: BFB	106	70-130		%Rec	1	2/23/2022 2:56:10 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	2/23/2022 2:56:10 AM
Toluene	ND	0.046		mg/Kg	1	2/23/2022 2:56:10 AM
Ethylbenzene	ND	0.046		mg/Kg	1	2/23/2022 2:56:10 AM
Xylenes, Total	ND	0.093		mg/Kg	1	2/23/2022 2:56:10 AM
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	2/23/2022 2:56:10 AM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH06 16-20
Project: BCS
Collection Date: 2/17/2022 11:30:00 AM
Lab ID: 2202944-012 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	2/22/2022 8:40:21 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/22/2022 8:40:21 PM
Surr: DNOP	97.2	51.1-141		%Rec	1	2/22/2022 8:40:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/23/2022 3:19:23 AM
Surr: BFB	104	70-130		%Rec	1	2/23/2022 3:19:23 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	2/23/2022 3:19:23 AM
Toluene	ND	0.047		mg/Kg	1	2/23/2022 3:19:23 AM
Ethylbenzene	ND	0.047		mg/Kg	1	2/23/2022 3:19:23 AM
Xylenes, Total	ND	0.094		mg/Kg	1	2/23/2022 3:19:23 AM
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	2/23/2022 3:19:23 AM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH07 8-12
Project: BCS **Collection Date:** 2/17/2022 11:40:00 AM
Lab ID: 2202944-013 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	910	98		mg/Kg	10	2/22/2022 8:51:03 PM
Motor Oil Range Organics (MRO)	600	490		mg/Kg	10	2/22/2022 8:51:03 PM
Surr: DNOP	0	51.1-141	S	%Rec	10	2/22/2022 8:51:03 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	110	24		mg/Kg	5	2/23/2022 3:42:33 AM
Surr: BFB	410	70-130	S	%Rec	5	2/23/2022 3:42:33 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.12		mg/Kg	5	2/23/2022 3:42:33 AM
Toluene	ND	0.24		mg/Kg	5	2/23/2022 3:42:33 AM
Ethylbenzene	ND	0.24		mg/Kg	5	2/23/2022 3:42:33 AM
Xylenes, Total	0.80	0.47		mg/Kg	5	2/23/2022 3:42:33 AM
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	5	2/23/2022 3:42:33 AM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH07 16-20
Project: BCS
Collection Date: 2/17/2022 11:50:00 AM
Lab ID: 2202944-014 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/22/2022 9:01:45 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/22/2022 9:01:45 PM
Surr: DNOP	101	51.1-141		%Rec	1	2/22/2022 9:01:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/23/2022 4:05:43 AM
Surr: BFB	108	70-130		%Rec	1	2/23/2022 4:05:43 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	2/23/2022 4:05:43 AM
Toluene	ND	0.048		mg/Kg	1	2/23/2022 4:05:43 AM
Ethylbenzene	ND	0.048		mg/Kg	1	2/23/2022 4:05:43 AM
Xylenes, Total	ND	0.096		mg/Kg	1	2/23/2022 4:05:43 AM
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	2/23/2022 4:05:43 AM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH08 12-16
Project: BCS
Collection Date: 2/17/2022 12:45:00 PM
Lab ID: 2202944-015 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	1200	87		mg/Kg	10	2/22/2022 9:12:27 PM
Motor Oil Range Organics (MRO)	710	440		mg/Kg	10	2/22/2022 9:12:27 PM
Surr: DNOP	0	51.1-141	S	%Rec	10	2/22/2022 9:12:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	1100	23		mg/Kg	5	2/23/2022 4:28:53 AM
Surr: BFB	558	70-130	S	%Rec	5	2/23/2022 4:28:53 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.12		mg/Kg	5	2/23/2022 4:28:53 AM
Toluene	ND	0.23		mg/Kg	5	2/23/2022 4:28:53 AM
Ethylbenzene	6.7	0.23		mg/Kg	5	2/23/2022 4:28:53 AM
Xylenes, Total	19	0.47		mg/Kg	5	2/23/2022 4:28:53 AM
Surr: 4-Bromofluorobenzene	164	70-130	S	%Rec	5	2/23/2022 4:28:53 AM

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 Quanitative 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

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH08 16-20
Project: BCS
Collection Date: 2/17/2022 1:00:00 PM
Lab ID: 2202944-016 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/22/2022 9:23:07 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/22/2022 9:23:07 PM
Surr: DNOP	96.6	51.1-141		%Rec	1	2/22/2022 9:23:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/23/2022 4:52:02 AM
Surr: BFB	119	70-130		%Rec	1	2/23/2022 4:52:02 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	2/23/2022 4:52:02 AM
Toluene	ND	0.047		mg/Kg	1	2/23/2022 4:52:02 AM
Ethylbenzene	ND	0.047		mg/Kg	1	2/23/2022 4:52:02 AM
Xylenes, Total	ND	0.095		mg/Kg	1	2/23/2022 4:52:02 AM
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	2/23/2022 4:52:02 AM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH09 8-12
Project: BCS **Collection Date:** 2/17/2022 1:10:00 PM
Lab ID: 2202944-017 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/22/2022 9:33:47 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/22/2022 9:33:47 PM
Surr: DNOP	94.6	51.1-141		%Rec	1	2/22/2022 9:33:47 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/23/2022 12:47:17 PM
Surr: BFB	115	70-130		%Rec	1	2/23/2022 12:47:17 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	2/23/2022 12:47:17 PM
Toluene	ND	0.050		mg/Kg	1	2/23/2022 12:47:17 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/23/2022 12:47:17 PM
Xylenes, Total	ND	0.099		mg/Kg	1	2/23/2022 12:47:17 PM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/23/2022 12:47:17 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH09 16-20
Project: BCS **Collection Date:** 2/17/2022 1:20:00 PM
Lab ID: 2202944-018 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/22/2022 9:44:28 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/22/2022 9:44:28 PM
Surr: DNOP	102	51.1-141		%Rec	1	2/22/2022 9:44:28 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2022 1:11:02 PM
Surr: BFB	110	70-130		%Rec	1	2/23/2022 1:11:02 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	2/23/2022 1:11:02 PM
Toluene	ND	0.049		mg/Kg	1	2/23/2022 1:11:02 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/23/2022 1:11:02 PM
Xylenes, Total	ND	0.099		mg/Kg	1	2/23/2022 1:11:02 PM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	2/23/2022 1:11:02 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH10 4-8
Project: BCS **Collection Date:** 2/17/2022 1:30:00 PM
Lab ID: 2202944-019 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	980	97		mg/Kg	10	2/22/2022 9:55:05 PM
Motor Oil Range Organics (MRO)	610	480		mg/Kg	10	2/22/2022 9:55:05 PM
Surr: DNOP	0	51.1-141	S	%Rec	10	2/22/2022 9:55:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	180	24		mg/Kg	5	2/23/2022 1:34:47 PM
Surr: BFB	431	70-130	S	%Rec	5	2/23/2022 1:34:47 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.12		mg/Kg	5	2/23/2022 1:34:47 PM
Toluene	ND	0.24		mg/Kg	5	2/23/2022 1:34:47 PM
Ethylbenzene	0.83	0.24		mg/Kg	5	2/23/2022 1:34:47 PM
Xylenes, Total	ND	0.48		mg/Kg	5	2/23/2022 1:34:47 PM
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	5	2/23/2022 1:34:47 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH10 16-20
Project: BCS **Collection Date:** 2/17/2022 1:40:00 PM
Lab ID: 2202944-020 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	2/22/2022 10:05:42 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	2/22/2022 10:05:42 PM
Surr: DNOP	100	51.1-141		%Rec	1	2/22/2022 10:05:42 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2022 1:58:29 PM
Surr: BFB	113	70-130		%Rec	1	2/23/2022 1:58:29 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	2/23/2022 1:58:29 PM
Toluene	ND	0.049		mg/Kg	1	2/23/2022 1:58:29 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/23/2022 1:58:29 PM
Xylenes, Total	ND	0.098		mg/Kg	1	2/23/2022 1:58:29 PM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/23/2022 1:58:29 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH11 12-16
Project: BCS **Collection Date:** 2/17/2022 1:50:00 PM
Lab ID: 2202944-021 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/22/2022 10:16:16 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/22/2022 10:16:16 PM
Surr: DNOP	98.3	51.1-141		%Rec	1	2/22/2022 10:16:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/23/2022 3:33:43 PM
Surr: BFB	111	70-130		%Rec	1	2/23/2022 3:33:43 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	2/23/2022 3:33:43 PM
Toluene	ND	0.047		mg/Kg	1	2/23/2022 3:33:43 PM
Ethylbenzene	ND	0.047		mg/Kg	1	2/23/2022 3:33:43 PM
Xylenes, Total	ND	0.093		mg/Kg	1	2/23/2022 3:33:43 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/23/2022 3:33:43 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH11 16-20
Project: BCS **Collection Date:** 2/17/2022 2:05:00 PM
Lab ID: 2202944-022 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	2/22/2022 10:26:50 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/22/2022 10:26:50 PM
Surr: DNOP	98.8	51.1-141		%Rec	1	2/22/2022 10:26:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2022 3:57:21 PM
Surr: BFB	111	70-130		%Rec	1	2/23/2022 3:57:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	2/23/2022 3:57:21 PM
Toluene	ND	0.049		mg/Kg	1	2/23/2022 3:57:21 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/23/2022 3:57:21 PM
Xylenes, Total	ND	0.098		mg/Kg	1	2/23/2022 3:57:21 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/23/2022 3:57:21 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH12 4-8
Project: BCS **Collection Date:** 2/17/2022 2:15:00 PM
Lab ID: 2202944-023 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/22/2022 10:37:25 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/22/2022 10:37:25 PM
Surr: DNOP	98.2	51.1-141		%Rec	1	2/22/2022 10:37:25 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/23/2022 4:20:48 PM
Surr: BFB	114	70-130		%Rec	1	2/23/2022 4:20:48 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	2/23/2022 4:20:48 PM
Toluene	ND	0.048		mg/Kg	1	2/23/2022 4:20:48 PM
Ethylbenzene	ND	0.048		mg/Kg	1	2/23/2022 4:20:48 PM
Xylenes, Total	ND	0.097		mg/Kg	1	2/23/2022 4:20:48 PM
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	2/23/2022 4:20:48 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH12 16-20
Project: BCS **Collection Date:** 2/17/2022 2:30:00 PM
Lab ID: 2202944-024 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/22/2022 10:47:59 PM
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	2/22/2022 10:47:59 PM
Surr: DNOP	99.3	51.1-141		%Rec	1	2/22/2022 10:47:59 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/23/2022 4:44:32 PM
Surr: BFB	114	70-130		%Rec	1	2/23/2022 4:44:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	2/23/2022 4:44:32 PM
Toluene	ND	0.050		mg/Kg	1	2/23/2022 4:44:32 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/23/2022 4:44:32 PM
Xylenes, Total	ND	0.099		mg/Kg	1	2/23/2022 4:44:32 PM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/23/2022 4:44:32 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH13 12-16
Project: BCS
Collection Date: 2/18/2022 9:30:00 AM
Lab ID: 2202944-025 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	2/22/2022 10:58:34 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/22/2022 10:58:34 PM
Surr: DNOP	101	51.1-141		%Rec	1	2/22/2022 10:58:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2022 5:08:23 PM
Surr: BFB	111	70-130		%Rec	1	2/23/2022 5:08:23 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	2/23/2022 5:08:23 PM
Toluene	ND	0.049		mg/Kg	1	2/23/2022 5:08:23 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/23/2022 5:08:23 PM
Xylenes, Total	ND	0.098		mg/Kg	1	2/23/2022 5:08:23 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/23/2022 5:08:23 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH13 16-20
Project: BCS
Collection Date: 2/18/2022 9:40:00 AM
Lab ID: 2202944-026 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/23/2022 12:57:56 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/23/2022 12:57:56 PM
Surr: DNOP	102	51.1-141		%Rec	1	2/23/2022 12:57:56 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/23/2022 6:19:28 PM
Surr: BFB	112	70-130		%Rec	1	2/23/2022 6:19:28 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	2/23/2022 6:19:28 PM
Toluene	ND	0.048		mg/Kg	1	2/23/2022 6:19:28 PM
Ethylbenzene	ND	0.048		mg/Kg	1	2/23/2022 6:19:28 PM
Xylenes, Total	ND	0.096		mg/Kg	1	2/23/2022 6:19:28 PM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/23/2022 6:19:28 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH14 4-8
Project: BCS **Collection Date:** 2/18/2022 9:50:00 AM
Lab ID: 2202944-027 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/23/2022 1:08:36 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/23/2022 1:08:36 PM
Surr: DNOP	104	51.1-141		%Rec	1	2/23/2022 1:08:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/23/2022 7:30:23 PM
Surr: BFB	110	70-130		%Rec	1	2/23/2022 7:30:23 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	2/23/2022 7:30:23 PM
Toluene	ND	0.048		mg/Kg	1	2/23/2022 7:30:23 PM
Ethylbenzene	ND	0.048		mg/Kg	1	2/23/2022 7:30:23 PM
Xylenes, Total	ND	0.095		mg/Kg	1	2/23/2022 7:30:23 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/23/2022 7:30:23 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH14 16-20
Project: BCS
Collection Date: 2/18/2022 10:00:00 AM
Lab ID: 2202944-028 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/23/2022 1:19:19 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/23/2022 1:19:19 PM
Surr: DNOP	97.9	51.1-141		%Rec	1	2/23/2022 1:19:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/23/2022 8:40:58 PM
Surr: BFB	110	70-130		%Rec	1	2/23/2022 8:40:58 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	2/23/2022 8:40:58 PM
Toluene	ND	0.046		mg/Kg	1	2/23/2022 8:40:58 PM
Ethylbenzene	ND	0.046		mg/Kg	1	2/23/2022 8:40:58 PM
Xylenes, Total	ND	0.092		mg/Kg	1	2/23/2022 8:40:58 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/23/2022 8:40:58 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH15 0-4
Project: BCS **Collection Date:** 2/18/2022 10:10:00 AM
Lab ID: 2202944-029 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/23/2022 1:30:04 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/23/2022 1:30:04 PM
Surr: DNOP	96.0	51.1-141		%Rec	1	2/23/2022 1:30:04 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/23/2022 9:04:28 PM
Surr: BFB	107	70-130		%Rec	1	2/23/2022 9:04:28 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	2/23/2022 9:04:28 PM
Toluene	ND	0.048		mg/Kg	1	2/23/2022 9:04:28 PM
Ethylbenzene	ND	0.048		mg/Kg	1	2/23/2022 9:04:28 PM
Xylenes, Total	ND	0.096		mg/Kg	1	2/23/2022 9:04:28 PM
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	2/23/2022 9:04:28 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH15 16-20
Project: BCS **Collection Date:** 2/18/2022 10:20:00 AM
Lab ID: 2202944-030 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/23/2022 1:40:49 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/23/2022 1:40:49 PM
Surr: DNOP	98.2	51.1-141		%Rec	1	2/23/2022 1:40:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2022 9:27:51 PM
Surr: BFB	109	70-130		%Rec	1	2/23/2022 9:27:51 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	2/23/2022 9:27:51 PM
Toluene	ND	0.049		mg/Kg	1	2/23/2022 9:27:51 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/23/2022 9:27:51 PM
Xylenes, Total	ND	0.097		mg/Kg	1	2/23/2022 9:27:51 PM
Surr: 4-Bromofluorobenzene	100.0	70-130		%Rec	1	2/23/2022 9:27:51 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH16 12-16
Project: BCS
Collection Date: 2/18/2022 10:35:00 AM
Lab ID: 2202944-031 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	25	9.8		mg/Kg	1	2/23/2022 1:51:33 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/23/2022 1:51:33 PM
Surr: DNOP	101	51.1-141		%Rec	1	2/23/2022 1:51:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/23/2022 11:01:14 PM
Surr: BFB	105	70-130		%Rec	1	2/23/2022 11:01:14 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	2/23/2022 11:01:14 PM
Toluene	ND	0.047		mg/Kg	1	2/23/2022 11:01:14 PM
Ethylbenzene	ND	0.047		mg/Kg	1	2/23/2022 11:01:14 PM
Xylenes, Total	ND	0.094		mg/Kg	1	2/23/2022 11:01:14 PM
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	2/23/2022 11:01:14 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP
Client Sample ID: BH16 16-20
Project: BCS
Collection Date: 2/18/2022 10:40:00 AM
Lab ID: 2202944-032 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/23/2022 2:02:25 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/23/2022 2:02:25 PM
Surr: DNOP	100	51.1-141		%Rec	1	2/23/2022 2:02:25 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/23/2022 11:24:28 PM
Surr: BFB	107	70-130		%Rec	5	2/23/2022 11:24:28 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.12		mg/Kg	5	2/23/2022 11:24:28 PM
Toluene	ND	0.24		mg/Kg	5	2/23/2022 11:24:28 PM
Ethylbenzene	ND	0.24		mg/Kg	5	2/23/2022 11:24:28 PM
Xylenes, Total	ND	0.48		mg/Kg	5	2/23/2022 11:24:28 PM
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	5	2/23/2022 11:24:28 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH17 8-12
Project: BCS **Collection Date:** 2/18/2022 10:50:00 AM
Lab ID: 2202944-033 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/23/2022 2:13:12 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/23/2022 2:13:12 PM
Surr: DNOP	99.2	51.1-141		%Rec	1	2/23/2022 2:13:12 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2022 11:47:40 PM
Surr: BFB	107	70-130		%Rec	1	2/23/2022 11:47:40 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	2/23/2022 11:47:40 PM
Toluene	ND	0.049		mg/Kg	1	2/23/2022 11:47:40 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/23/2022 11:47:40 PM
Xylenes, Total	ND	0.099		mg/Kg	1	2/23/2022 11:47:40 PM
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	2/23/2022 11:47:40 PM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202944**
Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WSP **Client Sample ID:** BH17 16-20
Project: BCS **Collection Date:** 2/18/2022 11:00:00 AM
Lab ID: 2202944-034 **Matrix:** SOIL **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	110	9.0		mg/Kg	1	2/26/2022 8:27:29 AM
Motor Oil Range Organics (MRO)	130	45		mg/Kg	1	2/26/2022 8:27:29 AM
Surr: DNOP	103	51.1-141		%Rec	1	2/26/2022 8:27:29 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/24/2022 12:10:50 AM
Surr: BFB	121	70-130		%Rec	5	2/24/2022 12:10:50 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.12		mg/Kg	5	2/24/2022 12:10:50 AM
Toluene	ND	0.24		mg/Kg	5	2/24/2022 12:10:50 AM
Ethylbenzene	ND	0.24		mg/Kg	5	2/24/2022 12:10:50 AM
Xylenes, Total	0.49	0.48		mg/Kg	5	2/24/2022 12:10:50 AM
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	5	2/24/2022 12:10:50 AM

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202944**

09-Mar-22

Client: WSP

Project: BCS

Sample ID: **2202944-006AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH03 16-20**	Batch ID: **65710**	RunNo: **85993**
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3030862** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	260	9.3	46.51	320.6	-129	39.3	155			S
Surr: DNOP	4.4		4.651		93.9	51.1	141			

Sample ID: **2202944-006AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH03 16-20**	Batch ID: **65710**	RunNo: **85993**
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3030863** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	240	9.6	48.22	320.6	-170	39.3	155	8.89	23.4	S
Surr: DNOP	4.4		4.822		91.4	51.1	141	0	0	

Sample ID: **LCS-65710**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **65710**	RunNo: **85993**
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3030890** Units: **mg/Kg**

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		91.7	51.1	141			

Sample ID: **MB-65710**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **65710**	RunNo: **85993**
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3030893** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		92.6	51.1	141			

Sample ID: **2202944-026AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH13 16-20**	Batch ID: **65707**	RunNo: **86029**
Prep Date: **2/22/2022**	Analysis Date: **2/24/2022**	SeqNo: **3031992** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	9.7	48.40	0	106	39.3	155			
Surr: DNOP	4.9		4.840		101	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 Quanitative 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#: **2202944**

09-Mar-22

Client: WSP

Project: BCS

Sample ID: **2202944-026AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH13 16-20**	Batch ID: **65707**	RunNo: **86029**
Prep Date: **2/22/2022**	Analysis Date: **2/24/2022**	SeqNo: **3031993** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.8	49.21	0	101	39.3	155	3.29	23.4	
Surr: DNOP	4.7		4.921		96.1	51.1	141	0	0	

Sample ID: **LCS-65705**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **65705**	RunNo: **86029**
Prep Date: **2/22/2022**	Analysis Date: **2/23/2022**	SeqNo: **3032025** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.9	68.9	135			
Surr: DNOP	4.5		5.000		89.5	51.1	141			

Sample ID: **LCS-65707**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **65707**	RunNo: **86029**
Prep Date: **2/22/2022**	Analysis Date: **2/23/2022**	SeqNo: **3032026** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	10	50.00	0	119	68.9	135			
Surr: DNOP	5.0		5.000		99.2	51.1	141			

Sample ID: **MB-65705**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **65705**	RunNo: **86029**
Prep Date: **2/22/2022**	Analysis Date: **2/23/2022**	SeqNo: **3032028** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		93.7	51.1	141			

Sample ID: **MB-65707**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **65707**	RunNo: **86029**
Prep Date: **2/22/2022**	Analysis Date: **2/23/2022**	SeqNo: **3032029** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		97.7	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 Quanitative 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#: **2202944**
09-Mar-22

Client: WSP
Project: BCS

Sample ID: **mb-65697**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **65697**	RunNo: **85980**							
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3029901**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		111	70	130			

Sample ID: **lcs-65697**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **65697**	RunNo: **85980**							
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3029902**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	102	78.6	131			
Surr: BFB	1200		1000		120	70	130			

Sample ID: **lcs-65695**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **65695**	RunNo: **86012**							
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3030338**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	109	78.6	131			
Surr: BFB	1200		1000		122	70	130			

Sample ID: **mb-65695**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **65695**	RunNo: **86012**							
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3030339**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		108	70	130			

Sample ID: **2202944-006ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **BH03 16-20**	Batch ID: **65697**	RunNo: **86042**							
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3031468**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	210	24	23.90	108.1	409	70	130			S
Surr: BFB	25000		4780		521	70	130			S

Sample ID: **2202944-006amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **BH03 16-20**	Batch ID: **65697**	RunNo: **86042**							
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3031469**	Units: **mg/Kg**						
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 Quanitative 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#: **2202944**

09-Mar-22

Client: WSP

Project: BCS

Sample ID: **2202944-006amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH03 16-20**	Batch ID: **65697**	RunNo: **86042**
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3031469** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	200	24	24.34	108.1	383	70	130	2.22	20	S
Surr: BFB	25000		4869		503	70	130	0	0	S

Sample ID: **mb-65698**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **65698**	RunNo: **86042**
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3031479** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		109	70	130			

Sample ID: **lcs-65698**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **65698**	RunNo: **86042**
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3031480** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	106	78.6	131			
Surr: BFB	1200		1000		123	70	130			

Sample ID: **2202944-026ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH13 16-20**	Batch ID: **65698**	RunNo: **86042**
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3031482** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.8	23.92	0	109	70	130			
Surr: BFB	1200		956.9		122	70	130			

Sample ID: **2202944-026amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH13 16-20**	Batch ID: **65698**	RunNo: **86042**
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3031483** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	23.88	0	96.0	70	130	13.3	20	
Surr: BFB	1200		955.1		125	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 Quanitative 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#: **2202944**

09-Mar-22

Client: WSP

Project: BCS

Sample ID: **mb-65697**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **65697**	RunNo: **85980**
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3029947** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: **LCS-65697**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **65697**	RunNo: **85980**
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3029948** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.4	80	120			
Toluene	0.95	0.050	1.000	0	95.2	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.9	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: **lcs-65695**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **65695**	RunNo: **86012**
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3030395** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.0	80	120			
Toluene	0.94	0.050	1.000	0	93.5	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.8	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.7	70	130			

Sample ID: **mb-65695**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **65695**	RunNo: **86012**
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3030396** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		92.7	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 Quanitative 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#: **2202944**

09-Mar-22

Client: WSP

Project: BCS

Sample ID: **2202944-007ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH04 12-16**	Batch ID: **65697**	RunNo: **86042**
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3031515** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.12	0.9709	0	102	80	120			
Toluene	1.0	0.24	0.9709	0	107	80	120			
Ethylbenzene	1.8	0.24	0.9709	0.3865	141	80	120			S
Xylenes, Total	11	0.49	2.913	4.299	240	80	120			S
Surr: 4-Bromofluorobenzene	5.5		4.854		113	70	130			

Sample ID: **2202944-007amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH04 12-16**	Batch ID: **65697**	RunNo: **86042**
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3031516** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.12	0.9497	0	97.2	80	120	7.12	20	
Toluene	0.96	0.24	0.9497	0	101	80	120	7.65	20	
Ethylbenzene	1.6	0.24	0.9497	0.3865	128	80	120	9.07	20	S
Xylenes, Total	10	0.47	2.849	4.299	207	80	120	10.1	20	S
Surr: 4-Bromofluorobenzene	5.5		4.748		115	70	130	0	0	

Sample ID: **mb-65698**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **65698**	RunNo: **86042**
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3031526** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	70	130			

Sample ID: **LCS-65698**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **65698**	RunNo: **86042**
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3031527** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.0	80	120			
Toluene	0.97	0.050	1.000	0	97.3	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	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 Quanitative 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#: **2202944**
09-Mar-22

Client: WSP
Project: BCS

Sample ID: **2202944-027ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH14 4-8**	Batch ID: **65698**	RunNo: **86042**
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3031530** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.024	0.9515	0	89.7	80	120			
Toluene	0.90	0.048	0.9515	0	94.6	80	120			
Ethylbenzene	0.92	0.048	0.9515	0	97.2	80	120			
Xylenes, Total	2.8	0.095	2.854	0	97.1	80	120			
Surr: 4-Bromofluorobenzene	0.98		0.9515		103	70	130			

Sample ID: **2202944-027amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH14 4-8**	Batch ID: **65698**	RunNo: **86042**
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3031531** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.024	0.9551	0	92.2	80	120	3.15	20	
Toluene	0.93	0.048	0.9551	0	97.7	80	120	3.55	20	
Ethylbenzene	0.95	0.048	0.9551	0	99.4	80	120	2.65	20	
Xylenes, Total	2.9	0.096	2.865	0	101	80	120	3.84	20	
Surr: 4-Bromofluorobenzene	1.0		0.9551		106	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 Quanitative 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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: WSP | Work Order Number: 2202944 | RcptNo: 1

Received By: Juan Rojas 2/19/2022 8:20:00 AM

Completed By: Kasandra Payan 2/19/2022 9:00:10 AM

Reviewed By: SCL 2/21/22
SCL 2/21/22

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° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. 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: JR 2/21/22

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	2.6	Good				

Chain-of-Custody Record

Client: WSP

Mailing Address: 848 E 2nd Ave
Durango CO 81301

Phone #:

email or Fax#: Stuart.Hyde@wsp.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: BCS

Project #: 31403968.000

Project Manager: Stuart Hyde

Sampler: Eric Carroll
On Ice: ☐ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 7.7-0.1=7.6 (°C)

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2202944	BTEX / MTBE / TMB's (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_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
2-17	9:15	Soil	BH01 8-12	1 4oz	Cool	001	X	X								
	9:25		BH01 16-20			002										
	9:40		BH02 12-16			003										
	9:50		BH02 16-20			004										
	10:00		BH03 12-16			005										
	10:10		BH03 16-20			006										
	10:20		BH04 12-16			007										
	10:35		BH04 16-20			008										
	10:50		BH05 12-16			009										
	11:00		BH05 16-20			010										
	11:15		BH06 12-16			011										
	11:30		BH06 16-20			012										

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
2/18/22	1217	Eric Carroll				
2/18/22	1754			courier	2/19/22	8:20

Remarks:

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

Chain-of-Custody Record

Client: WSP

Mailing Address: 648 E. 2nd Ave. Durango, CO. 81301

Phone #:

email or Fax#: Stuart.hyde@wsp.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: BCS

Project #: 31403968.000

Project Manager: Stuart Hyde

Sampler: Eric Carroll

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 2.7 +2.6 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (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_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
2-17	11:40	Soil	BH07 8-12	1 4oz	Cool	013	X	X								
	11:50		BH07 16-20			014										
	12:45		BH08 12-16			015										
	13:00		BH08 16-20			016										
	13:10		BH09 8-12			017										
	13:20		BH09 16-20			018										
	13:30		BH10 4-8			019										
	13:40		BH10 16-20			020										
	13:50		BH11 12-16			021										
	14:05		BH11 16-20			022										
	14:15		BH12 4-8			023										
	14:30		BH12 16-20			024										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
2-18	1217	Eric Carroll	Chris Walt		2/18/22	1217
2/18/22	1754	Chris Walt		Courier	2/19/22	8:20

Remarks:

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

Chain-of-Custody Record

Client: WSP

Mailing Address: 848 E. 2nd Ave
Durango CO. 81301

Phone #:

email or Fax#: Stuart.hyde@wsp.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: BCS

Project #: 31403968.000

Project Manager: Stuart Hyde

Sampler: Eric Carroll

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 2.7-0.1=2.6 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
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Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / ~~MTBE~~ / TMB's (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_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
2-16	9:30	Soil	BH13 12-16	1 4oz	Cool	025	X	X								
	9:40		BH13 16-20			026										
	9:50		BH14 4-8			027										
	10:00		BH14 16-20			028										
	10:10		BH15 0-4			029										
	10:20		BH15 16-20			030										
	10:35		BH16 12-16			031										
	10:40		BH16 16-20			032										
	10:50		~~BH16~~ BH17 8-12			033										
↓	11:00	↓	BH17 16-20	↓	↓	034	↓	↓								
					KPG 2/19/22	~~035~~										
						~~036~~										

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
2-16	1217	Eric Carroll	Chad Wall		2/18/22	1217
2/18/22	1754	Chad Wall		courier	2/19/22	8:20

Remarks:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

September 13, 2022

Stuart Hyde
ENSOLUM
606 S. Rio Grande Suite A
Aztec, NM 87410
TEL: (903) 821-5603
FAX:

RE: BCS OrderNo.: 2208B99

Dear Stuart Hyde:

Hall Environmental Analysis Laboratory received 28 sample(s) on 8/19/2022 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 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH18@ 0-4
Project: BCS
Collection Date: 8/17/2022 9:30:00 AM
Lab ID: 2208B99-001 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/25/2022 5:26:51 PM	69684
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/25/2022 5:26:51 PM	69684
Surr: DNOP	115	21-129		%Rec	1	8/25/2022 5:26:51 PM	69684
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/23/2022 7:08:00 AM	69642
Surr: BFB	96.4	37.7-212		%Rec	1	8/23/2022 7:08:00 AM	69642
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.024		mg/Kg	1	8/23/2022 7:08:00 AM	69642
Toluene	ND	0.048		mg/Kg	1	8/23/2022 7:08:00 AM	69642
Ethylbenzene	ND	0.048		mg/Kg	1	8/23/2022 7:08:00 AM	69642
Xylenes, Total	ND	0.096		mg/Kg	1	8/23/2022 7:08:00 AM	69642
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	8/23/2022 7:08:00 AM	69642

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH18@ 16-20
Project: BCS
Collection Date: 8/17/2022 9:40:00 AM
Lab ID: 2208B99-002 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	8/25/2022 5:37:47 PM	69684
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	8/25/2022 5:37:47 PM	69684
Surr: DNOP	98.7	21-129		%Rec	1	8/25/2022 5:37:47 PM	69684
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/23/2022 7:28:00 AM	69642
Surr: BFB	100	37.7-212		%Rec	1	8/23/2022 7:28:00 AM	69642
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.024		mg/Kg	1	8/23/2022 7:28:00 AM	69642
Toluene	ND	0.048		mg/Kg	1	8/23/2022 7:28:00 AM	69642
Ethylbenzene	ND	0.048		mg/Kg	1	8/23/2022 7:28:00 AM	69642
Xylenes, Total	ND	0.096		mg/Kg	1	8/23/2022 7:28:00 AM	69642
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	8/23/2022 7:28:00 AM	69642

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH19@ 4-8
Project: BCS
Collection Date: 8/17/2022 10:00:00 AM
Lab ID: 2208B99-003 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/25/2022 5:48:44 PM	69684
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/25/2022 5:48:44 PM	69684
Surr: DNOP	101	21-129		%Rec	1	8/25/2022 5:48:44 PM	69684
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/23/2022 4:30:04 AM	69642
Surr: BFB	109	37.7-212		%Rec	1	8/23/2022 4:30:04 AM	69642
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	8/23/2022 4:30:04 AM	69642
Toluene	ND	0.048		mg/Kg	1	8/23/2022 4:30:04 AM	69642
Ethylbenzene	ND	0.048		mg/Kg	1	8/23/2022 4:30:04 AM	69642
Xylenes, Total	ND	0.097		mg/Kg	1	8/23/2022 4:30:04 AM	69642
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	8/23/2022 4:30:04 AM	69642

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH19@ 16-20
Project: BCS
Collection Date: 8/17/2022 10:20:00 AM
Lab ID: 2208B99-004 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	8/25/2022 5:59:40 PM	69684
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	8/25/2022 5:59:40 PM	69684
Surr: DNOP	102	21-129		%Rec	1	8/25/2022 5:59:40 PM	69684
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/23/2022 11:08:00 AM	69642
Surr: BFB	103	37.7-212		%Rec	1	8/23/2022 11:08:00 AM	69642
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.025		mg/Kg	1	8/23/2022 11:08:00 AM	69642
Toluene	ND	0.049		mg/Kg	1	8/23/2022 11:08:00 AM	69642
Ethylbenzene	ND	0.049		mg/Kg	1	8/23/2022 11:08:00 AM	69642
Xylenes, Total	ND	0.099		mg/Kg	1	8/23/2022 11:08:00 AM	69642
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	8/23/2022 11:08:00 AM	69642

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH20@ 8-12
Project: BCS
Collection Date: 8/17/2022 10:30:00 AM
Lab ID: 2208B99-005 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	160	13		mg/Kg	1	8/25/2022 6:10:36 PM	69684
Motor Oil Range Organics (MRO)	94	43		mg/Kg	1	8/25/2022 6:10:36 PM	69684
Surr: DNOP	97.3	21-129		%Rec	1	8/25/2022 6:10:36 PM	69684
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	140	25		mg/Kg	5	8/24/2022 1:08:00 PM	69642
Surr: BFB	281	37.7-212	S	%Rec	5	8/24/2022 1:08:00 PM	69642
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.12		mg/Kg	5	8/24/2022 1:08:00 PM	69642
Toluene	ND	0.25		mg/Kg	5	8/24/2022 1:08:00 PM	69642
Ethylbenzene	0.27	0.25		mg/Kg	5	8/24/2022 1:08:00 PM	69642
Xylenes, Total	2.3	0.49		mg/Kg	5	8/24/2022 1:08:00 PM	69642
Surr: 4-Bromofluorobenzene	142	70-130	S	%Rec	5	8/24/2022 1:08:00 PM	69642

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH20@ 16-20
Project: BCS
Collection Date: 8/17/2022 10:45:00 AM
Lab ID: 2208B99-006 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	8/25/2022 6:21:31 PM	69684
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	8/25/2022 6:21:31 PM	69684
Surr: DNOP	108	21-129		%Rec	1	8/25/2022 6:21:31 PM	69684
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/23/2022 11:47:00 AM	69642
Surr: BFB	107	37.7-212		%Rec	1	8/23/2022 11:47:00 AM	69642
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.024		mg/Kg	1	8/23/2022 11:47:00 AM	69642
Toluene	ND	0.048		mg/Kg	1	8/23/2022 11:47:00 AM	69642
Ethylbenzene	ND	0.048		mg/Kg	1	8/23/2022 11:47:00 AM	69642
Xylenes, Total	ND	0.095		mg/Kg	1	8/23/2022 11:47:00 AM	69642
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/23/2022 11:47:00 AM	69642

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH21@ 12-16
Project: BCS
Collection Date: 8/17/2022 11:20:00 AM
Lab ID: 2208B99-007 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	320	13		mg/Kg	1	9/7/2022 4:35:08 PM	69684
Motor Oil Range Organics (MRO)	180	44		mg/Kg	1	9/7/2022 4:35:08 PM	69684
Surr: DNOP	89.9	21-129		%Rec	1	9/7/2022 4:35:08 PM	69684
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	90	24		mg/Kg	5	8/23/2022 12:07:00 PM	69642
Surr: BFB	145	37.7-212		%Rec	5	8/23/2022 12:07:00 PM	69642
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.12		mg/Kg	5	8/23/2022 12:07:00 PM	69642
Toluene	ND	0.24		mg/Kg	5	8/23/2022 12:07:00 PM	69642
Ethylbenzene	ND	0.24		mg/Kg	5	8/23/2022 12:07:00 PM	69642
Xylenes, Total	0.53	0.48		mg/Kg	5	8/23/2022 12:07:00 PM	69642
Surr: 4-Bromofluorobenzene	138	70-130	S	%Rec	5	8/23/2022 12:07:00 PM	69642

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH21@16-20
Project: BCS
Collection Date: 8/17/2022 11:30:00 AM
Lab ID: 2208B99-008 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	12		mg/Kg	1	8/25/2022 6:54:08 PM	69684
Motor Oil Range Organics (MRO)	ND	40		mg/Kg	1	8/25/2022 6:54:08 PM	69684
Surr: DNOP	107	21-129		%Rec	1	8/25/2022 6:54:08 PM	69684
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/23/2022 12:27:00 PM	69642
Surr: BFB	102	37.7-212		%Rec	1	8/23/2022 12:27:00 PM	69642
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.024		mg/Kg	1	8/23/2022 12:27:00 PM	69642
Toluene	ND	0.049		mg/Kg	1	8/23/2022 12:27:00 PM	69642
Ethylbenzene	ND	0.049		mg/Kg	1	8/23/2022 12:27:00 PM	69642
Xylenes, Total	ND	0.097		mg/Kg	1	8/23/2022 12:27:00 PM	69642
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	8/23/2022 12:27:00 PM	69642

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH22@ 12-16
Project: BCS
Collection Date: 8/17/2022 11:40:00 AM
Lab ID: 2208B99-009 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	1000	250		mg/Kg	20	8/25/2022 7:05:09 PM	69684
Motor Oil Range Organics (MRO)	1300	840		mg/Kg	20	8/25/2022 7:05:09 PM	69684
Surr: DNOP	0	21-129	S	%Rec	20	8/25/2022 7:05:09 PM	69684
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/23/2022 12:46:00 PM	69642
Surr: BFB	104	37.7-212		%Rec	1	8/23/2022 12:46:00 PM	69642
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.024		mg/Kg	1	8/23/2022 12:46:00 PM	69642
Toluene	ND	0.048		mg/Kg	1	8/23/2022 12:46:00 PM	69642
Ethylbenzene	ND	0.048		mg/Kg	1	8/23/2022 12:46:00 PM	69642
Xylenes, Total	ND	0.097		mg/Kg	1	8/23/2022 12:46:00 PM	69642
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	8/23/2022 12:46:00 PM	69642

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH22@ 16-20
Project: BCS
Collection Date: 8/17/2022 11:50:00 AM
Lab ID: 2208B99-010 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/25/2022 7:16:06 PM	69684
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/25/2022 7:16:06 PM	69684
Surr: DNOP	107	21-129		%Rec	1	8/25/2022 7:16:06 PM	69684
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/23/2022 1:06:00 PM	69642
Surr: BFB	101	37.7-212		%Rec	1	8/23/2022 1:06:00 PM	69642
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.024		mg/Kg	1	8/23/2022 1:06:00 PM	69642
Toluene	ND	0.049		mg/Kg	1	8/23/2022 1:06:00 PM	69642
Ethylbenzene	ND	0.049		mg/Kg	1	8/23/2022 1:06:00 PM	69642
Xylenes, Total	ND	0.097		mg/Kg	1	8/23/2022 1:06:00 PM	69642
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	8/23/2022 1:06:00 PM	69642

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH23@ 0-4
Project: BCS
Collection Date: 8/17/2022 12:40:00 PM
Lab ID: 2208B99-011 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/25/2022 7:27:03 PM	69684
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/25/2022 7:27:03 PM	69684
Surr: DNOP	105	21-129		%Rec	1	8/25/2022 7:27:03 PM	69684
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/23/2022 1:26:00 PM	69642
Surr: BFB	102	37.7-212		%Rec	1	8/23/2022 1:26:00 PM	69642
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.024		mg/Kg	1	8/23/2022 1:26:00 PM	69642
Toluene	ND	0.047		mg/Kg	1	8/23/2022 1:26:00 PM	69642
Ethylbenzene	ND	0.047		mg/Kg	1	8/23/2022 1:26:00 PM	69642
Xylenes, Total	ND	0.095		mg/Kg	1	8/23/2022 1:26:00 PM	69642
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	8/23/2022 1:26:00 PM	69642

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH23 @ 16-20
Project: BCS
Collection Date: 8/17/2022 12:55:00 PM
Lab ID: 2208B99-012 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/25/2022 7:38:01 PM	69684
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/25/2022 7:38:01 PM	69684
Surr: DNOP	108	21-129		%Rec	1	8/25/2022 7:38:01 PM	69684
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/23/2022 1:45:00 PM	69642
Surr: BFB	104	37.7-212		%Rec	1	8/23/2022 1:45:00 PM	69642
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.023		mg/Kg	1	8/23/2022 1:45:00 PM	69642
Toluene	ND	0.046		mg/Kg	1	8/23/2022 1:45:00 PM	69642
Ethylbenzene	ND	0.046		mg/Kg	1	8/23/2022 1:45:00 PM	69642
Xylenes, Total	ND	0.093		mg/Kg	1	8/23/2022 1:45:00 PM	69642
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	8/23/2022 1:45:00 PM	69642

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH24@ 8-12
Project: BCS
Collection Date: 8/17/2022 1:15:00 PM
Lab ID: 2208B99-013 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/25/2022 7:48:57 PM	69684
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/25/2022 7:48:57 PM	69684
Surr: DNOP	134	21-129	S	%Rec	1	8/25/2022 7:48:57 PM	69684
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/23/2022 2:05:00 PM	69642
Surr: BFB	104	37.7-212		%Rec	1	8/23/2022 2:05:00 PM	69642
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.024		mg/Kg	1	8/23/2022 2:05:00 PM	69642
Toluene	ND	0.048		mg/Kg	1	8/23/2022 2:05:00 PM	69642
Ethylbenzene	ND	0.048		mg/Kg	1	8/23/2022 2:05:00 PM	69642
Xylenes, Total	ND	0.096		mg/Kg	1	8/23/2022 2:05:00 PM	69642
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	8/23/2022 2:05:00 PM	69642

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH24@ 16-20
Project: BCS
Collection Date: 8/17/2022 1:20:00 PM
Lab ID: 2208B99-014 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	11		mg/Kg	1	8/23/2022 10:31:36 AM	69678
Motor Oil Range Organics (MRO)	ND	38		mg/Kg	1	8/23/2022 10:31:36 AM	69678
Surr: DNOP	91.4	21-129		%Rec	1	8/23/2022 10:31:36 AM	69678
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/23/2022 2:45:00 PM	69661
Surr: BFB	106	37.7-212		%Rec	1	8/23/2022 2:45:00 PM	69661
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.023		mg/Kg	1	8/23/2022 2:45:00 PM	69661
Toluene	ND	0.047		mg/Kg	1	8/23/2022 2:45:00 PM	69661
Ethylbenzene	ND	0.047		mg/Kg	1	8/23/2022 2:45:00 PM	69661
Xylenes, Total	ND	0.093		mg/Kg	1	8/23/2022 2:45:00 PM	69661
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/23/2022 2:45:00 PM	69661

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH25@ 16-20
Project: BCS
Collection Date: 8/17/2022 1:50:00 PM
Lab ID: 2208B99-015 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/23/2022 1:05:13 PM	69678
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	8/23/2022 1:05:13 PM	69678
Surr: DNOP	114	21-129		%Rec	1	8/23/2022 1:05:13 PM	69678
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/23/2022 3:44:00 PM	69661
Surr: BFB	101	37.7-212		%Rec	1	8/23/2022 3:44:00 PM	69661
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.024		mg/Kg	1	8/23/2022 3:44:00 PM	69661
Toluene	ND	0.049		mg/Kg	1	8/23/2022 3:44:00 PM	69661
Ethylbenzene	ND	0.049		mg/Kg	1	8/23/2022 3:44:00 PM	69661
Xylenes, Total	ND	0.098		mg/Kg	1	8/23/2022 3:44:00 PM	69661
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	8/23/2022 3:44:00 PM	69661

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH25@ 20-24
Project: BCS
Collection Date: 8/17/2022 2:00:00 PM
Lab ID: 2208B99-016 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	1300	140		mg/Kg	10	8/23/2022 11:41:06 PM	69678
Motor Oil Range Organics (MRO)	700	480		mg/Kg	10	8/23/2022 11:41:06 PM	69678
Surr: DNOP	0	21-129	S	%Rec	10	8/23/2022 11:41:06 PM	69678
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	580	23		mg/Kg	5	8/24/2022 1:27:00 PM	69661
Surr: BFB	453	37.7-212	S	%Rec	5	8/24/2022 1:27:00 PM	69661
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.12		mg/Kg	5	8/24/2022 1:27:00 PM	69661
Toluene	ND	0.23		mg/Kg	5	8/24/2022 1:27:00 PM	69661
Ethylbenzene	3.0	0.23		mg/Kg	5	8/24/2022 1:27:00 PM	69661
Xylenes, Total	24	0.47		mg/Kg	5	8/24/2022 1:27:00 PM	69661
Surr: 4-Bromofluorobenzene	179	70-130	S	%Rec	5	8/24/2022 1:27:00 PM	69661

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH26@ 16-20
Project: BCS
Collection Date: 8/17/2022 2:15:00 PM
Lab ID: 2208B99-017 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/23/2022 1:15:49 PM	69678
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/23/2022 1:15:49 PM	69678
Surr: DNOP	89.4	21-129		%Rec	1	8/23/2022 1:15:49 PM	69678
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/23/2022 5:03:00 PM	69661
Surr: BFB	105	37.7-212		%Rec	1	8/23/2022 5:03:00 PM	69661
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.025		mg/Kg	1	8/23/2022 5:03:00 PM	69661
Toluene	ND	0.050		mg/Kg	1	8/23/2022 5:03:00 PM	69661
Ethylbenzene	ND	0.050		mg/Kg	1	8/23/2022 5:03:00 PM	69661
Xylenes, Total	ND	0.10		mg/Kg	1	8/23/2022 5:03:00 PM	69661
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	8/23/2022 5:03:00 PM	69661

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH26@ 20-24
Project: BCS
Collection Date: 8/17/2022 2:20:00 PM
Lab ID: 2208B99-018 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/23/2022 1:59:50 PM	69678
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/23/2022 1:59:50 PM	69678
Surr: DNOP	94.6	21-129		%Rec	1	8/23/2022 1:59:50 PM	69678
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/23/2022 5:22:00 PM	69661
Surr: BFB	104	37.7-212		%Rec	1	8/23/2022 5:22:00 PM	69661
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.025		mg/Kg	1	8/23/2022 5:22:00 PM	69661
Toluene	ND	0.049		mg/Kg	1	8/23/2022 5:22:00 PM	69661
Ethylbenzene	ND	0.049		mg/Kg	1	8/23/2022 5:22:00 PM	69661
Xylenes, Total	ND	0.099		mg/Kg	1	8/23/2022 5:22:00 PM	69661
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	1	8/23/2022 5:22:00 PM	69661

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH27@ 16-20
Project: BCS
Collection Date: 8/17/2022 2:30:00 PM
Lab ID: 2208B99-019 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	760	130		mg/Kg	10	8/23/2022 11:52:08 PM	69678
Motor Oil Range Organics (MRO)	520	440		mg/Kg	10	8/23/2022 11:52:08 PM	69678
Surr: DNOP	0	21-129	S	%Rec	10	8/23/2022 11:52:08 PM	69678
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	430	24		mg/Kg	5	8/24/2022 1:47:00 PM	69661
Surr: BFB	354	37.7-212	S	%Rec	5	8/24/2022 1:47:00 PM	69661
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.12		mg/Kg	5	8/24/2022 1:47:00 PM	69661
Toluene	ND	0.24		mg/Kg	5	8/24/2022 1:47:00 PM	69661
Ethylbenzene	1.7	0.24		mg/Kg	5	8/24/2022 1:47:00 PM	69661
Xylenes, Total	1.7	0.47		mg/Kg	5	8/24/2022 1:47:00 PM	69661
Surr: 4-Bromofluorobenzene	152	70-130	S	%Rec	5	8/24/2022 1:47:00 PM	69661

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH27@ 20-24
Project: BCS
Collection Date: 8/17/2022 2:40:00 PM
Lab ID: 2208B99-020 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	550	13		mg/Kg	1	8/23/2022 2:10:30 PM	69678
Motor Oil Range Organics (MRO)	310	44		mg/Kg	1	8/23/2022 2:10:30 PM	69678
Surr: DNOP	95.7	21-129		%Rec	1	8/23/2022 2:10:30 PM	69678
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	570	24		mg/Kg	5	8/24/2022 2:07:00 PM	69661
Surr: BFB	354	37.7-212	S	%Rec	5	8/24/2022 2:07:00 PM	69661
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	0.48	0.12		mg/Kg	5	8/24/2022 2:07:00 PM	69661
Toluene	ND	0.24		mg/Kg	5	8/24/2022 2:07:00 PM	69661
Ethylbenzene	2.6	0.24		mg/Kg	5	8/24/2022 2:07:00 PM	69661
Xylenes, Total	1.0	0.48		mg/Kg	5	8/24/2022 2:07:00 PM	69661
Surr: 4-Bromofluorobenzene	228	70-130	S	%Rec	5	8/24/2022 2:07:00 PM	69661

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH28@ 16-20
Project: BCS
Collection Date: 8/17/2022 2:50:00 PM
Lab ID: 2208B99-021 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	860	15		mg/Kg	1	8/26/2022 1:36:13 PM	69678
Motor Oil Range Organics (MRO)	550	49		mg/Kg	1	8/26/2022 1:36:13 PM	69678
Surr: DNOP	128	21-129		%Rec	1	8/26/2022 1:36:13 PM	69678
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	680	47	D	mg/Kg	10	8/23/2022 6:22:00 PM	69661
Surr: BFB	242	37.7-212	SD	%Rec	10	8/23/2022 6:22:00 PM	69661
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.24	D	mg/Kg	10	8/23/2022 6:22:00 PM	69661
Toluene	ND	0.47	D	mg/Kg	10	8/23/2022 6:22:00 PM	69661
Ethylbenzene	2.3	0.47	D	mg/Kg	10	8/23/2022 6:22:00 PM	69661
Xylenes, Total	20	0.95	D	mg/Kg	10	8/23/2022 6:22:00 PM	69661
Surr: 4-Bromofluorobenzene	163	70-130	SD	%Rec	10	8/23/2022 6:22:00 PM	69661

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH28@ 20-24
Project: BCS
Collection Date: 8/17/2022 3:00:00 PM
Lab ID: 2208B99-022 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	830	14		mg/Kg	1	8/26/2022 2:23:48 PM	69678
Motor Oil Range Organics (MRO)	530	46		mg/Kg	1	8/26/2022 2:23:48 PM	69678
Surr: DNOP	124	21-129		%Rec	1	8/26/2022 2:23:48 PM	69678
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	590	24		mg/Kg	5	8/24/2022 2:27:00 PM	69661
Surr: BFB	297	37.7-212	S	%Rec	5	8/24/2022 2:27:00 PM	69661
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	0.81	0.12		mg/Kg	5	8/24/2022 2:27:00 PM	69661
Toluene	ND	0.24		mg/Kg	5	8/24/2022 2:27:00 PM	69661
Ethylbenzene	3.0	0.24		mg/Kg	5	8/24/2022 2:27:00 PM	69661
Xylenes, Total	23	0.48		mg/Kg	5	8/24/2022 2:27:00 PM	69661
Surr: 4-Bromofluorobenzene	190	70-130	S	%Rec	5	8/24/2022 2:27:00 PM	69661

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH29@ 12-16
Project: BCS
Collection Date: 8/18/2022 9:30:00 AM
Lab ID: 2208B99-023 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	750	140		mg/Kg	10	8/24/2022 12:25:14 AM	69678
Motor Oil Range Organics (MRO)	520	460		mg/Kg	10	8/24/2022 12:25:14 AM	69678
Surr: DNOP	0	21-129	S	%Rec	10	8/24/2022 12:25:14 AM	69678
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	740	25		mg/Kg	5	8/24/2022 2:46:00 PM	69661
Surr: BFB	324	37.7-212	S	%Rec	5	8/24/2022 2:46:00 PM	69661
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	0.78	0.12		mg/Kg	5	8/24/2022 2:46:00 PM	69661
Toluene	ND	0.25		mg/Kg	5	8/24/2022 2:46:00 PM	69661
Ethylbenzene	3.0	0.25		mg/Kg	5	8/24/2022 2:46:00 PM	69661
Xylenes, Total	27	0.50		mg/Kg	5	8/24/2022 2:46:00 PM	69661
Surr: 4-Bromofluorobenzene	218	70-130	S	%Rec	5	8/24/2022 2:46:00 PM	69661

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH29@ 18-20
Project: BCS
Collection Date: 8/18/2022 9:40:00 AM
Lab ID: 2208B99-024 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/23/2022 2:31:50 PM	69678
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	8/23/2022 2:31:50 PM	69678
Surr: DNOP	86.6	21-129		%Rec	1	8/23/2022 2:31:50 PM	69678
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/23/2022 8:00:00 PM	69661
Surr: BFB	107	37.7-212		%Rec	1	8/23/2022 8:00:00 PM	69661
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.024		mg/Kg	1	8/23/2022 8:00:00 PM	69661
Toluene	ND	0.048		mg/Kg	1	8/23/2022 8:00:00 PM	69661
Ethylbenzene	ND	0.048		mg/Kg	1	8/23/2022 8:00:00 PM	69661
Xylenes, Total	ND	0.095		mg/Kg	1	8/23/2022 8:00:00 PM	69661
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	8/23/2022 8:00:00 PM	69661

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH30@ 12-16
Project: BCS
Collection Date: 8/18/2022 9:50:00 AM
Lab ID: 2208B99-025 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	90	15		mg/Kg	1	8/23/2022 2:42:52 PM	69678
Motor Oil Range Organics (MRO)	56	50		mg/Kg	1	8/23/2022 2:42:52 PM	69678
Surr: DNOP	120	21-129		%Rec	1	8/23/2022 2:42:52 PM	69678
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	48	23		mg/Kg	5	8/23/2022 8:20:00 PM	69661
Surr: BFB	177	37.7-212		%Rec	5	8/23/2022 8:20:00 PM	69661
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.12		mg/Kg	5	8/23/2022 8:20:00 PM	69661
Toluene	ND	0.23		mg/Kg	5	8/23/2022 8:20:00 PM	69661
Ethylbenzene	0.27	0.23		mg/Kg	5	8/23/2022 8:20:00 PM	69661
Xylenes, Total	0.85	0.47		mg/Kg	5	8/23/2022 8:20:00 PM	69661
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	5	8/23/2022 8:20:00 PM	69661

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH30@ 18-20
Project: BCS
Collection Date: 8/18/2022 10:00:00 AM
Lab ID: 2208B99-026 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/23/2022 2:53:36 PM	69678
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/23/2022 2:53:36 PM	69678
Surr: DNOP	86.7	21-129		%Rec	1	8/23/2022 2:53:36 PM	69678
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/23/2022 8:40:00 PM	69661
Surr: BFB	102	37.7-212		%Rec	1	8/23/2022 8:40:00 PM	69661
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.023		mg/Kg	1	8/23/2022 8:40:00 PM	69661
Toluene	ND	0.046		mg/Kg	1	8/23/2022 8:40:00 PM	69661
Ethylbenzene	ND	0.046		mg/Kg	1	8/23/2022 8:40:00 PM	69661
Xylenes, Total	ND	0.092		mg/Kg	1	8/23/2022 8:40:00 PM	69661
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	8/23/2022 8:40:00 PM	69661

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH31@ 12-16
Project: BCS
Collection Date: 8/18/2022 10:10:00 AM
Lab ID: 2208B99-027 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/23/2022 3:04:22 PM	69678
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/23/2022 3:04:22 PM	69678
Surr: DNOP	99.6	21-129		%Rec	1	8/23/2022 3:04:22 PM	69678
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/23/2022 9:00:00 PM	69661
Surr: BFB	104	37.7-212		%Rec	1	8/23/2022 9:00:00 PM	69661
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.024		mg/Kg	1	8/23/2022 9:00:00 PM	69661
Toluene	ND	0.047		mg/Kg	1	8/23/2022 9:00:00 PM	69661
Ethylbenzene	ND	0.047		mg/Kg	1	8/23/2022 9:00:00 PM	69661
Xylenes, Total	ND	0.095		mg/Kg	1	8/23/2022 9:00:00 PM	69661
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	8/23/2022 9:00:00 PM	69661

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208B99**
Date Reported: **9/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM
Client Sample ID: BH31@ 16-20
Project: BCS
Collection Date: 8/18/2022 10:20:00 AM
Lab ID: 2208B99-028 **Matrix:** SOIL **Received Date:** 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/23/2022 3:15:09 PM	69678
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/23/2022 3:15:09 PM	69678
Surr: DNOP	109	21-129		%Rec	1	8/23/2022 3:15:09 PM	69678
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/23/2022 9:19:00 PM	69661
Surr: BFB	105	37.7-212		%Rec	1	8/23/2022 9:19:00 PM	69661
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.023		mg/Kg	1	8/23/2022 9:19:00 PM	69661
Toluene	ND	0.046		mg/Kg	1	8/23/2022 9:19:00 PM	69661
Ethylbenzene	ND	0.046		mg/Kg	1	8/23/2022 9:19:00 PM	69661
Xylenes, Total	ND	0.092		mg/Kg	1	8/23/2022 9:19:00 PM	69661
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	8/23/2022 9:19:00 PM	69661

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208B99**

13-Sep-22

Client: ENSOLUM

Project: BCS

Sample ID: **LCS-69678**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **69678**	RunNo: **90486**
Prep Date: **8/22/2022**	Analysis Date: **8/23/2022**	SeqNo: **3231312** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	15	50.00	0	81.1	64.4	127			
Surr: DNOP	3.3		5.000		66.5	21	129			

Sample ID: **MB-69678**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **69678**	RunNo: **90486**
Prep Date: **8/22/2022**	Analysis Date: **8/23/2022**	SeqNo: **3231314** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		110	21	129			

Sample ID: **LCS-69684**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **69684**	RunNo: **90576**
Prep Date: **8/23/2022**	Analysis Date: **8/25/2022**	SeqNo: **3235705** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	33	15	50.00	0	66.8	64.4	127			
Surr: DNOP	3.5		5.000		69.4	21	129			

Sample ID: **MB-69684**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **69684**	RunNo: **90576**
Prep Date: **8/23/2022**	Analysis Date: **8/25/2022**	SeqNo: **3235706** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		116	21	129			

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 Quanitative 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#: **2208B99**

13-Sep-22

Client: ENSOLUM

Project: BCS

Sample ID: **lcs-69642**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **69642**	RunNo: **90464**
Prep Date: **8/19/2022**	Analysis Date: **8/23/2022**	SeqNo: **3229657** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	102	72.3	137			
Surr: BFB	2200		1000		221	37.7	212			S

Sample ID: **mb-69642**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **69642**	RunNo: **90464**
Prep Date: **8/19/2022**	Analysis Date: **8/23/2022**	SeqNo: **3229658** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		105	37.7	212			

Sample ID: **lcs-69661**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **69661**	RunNo: **90508**
Prep Date: **8/22/2022**	Analysis Date: **8/23/2022**	SeqNo: **3231992** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	72.3	137			
Surr: BFB	2200		1000		219	37.7	212			S

Sample ID: **mb-69661**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **69661**	RunNo: **90508**
Prep Date: **8/22/2022**	Analysis Date: **8/23/2022**	SeqNo: **3231993** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	37.7	212			

Sample ID: **2208b99-014ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH24@ 16-20**	Batch ID: **69661**	RunNo: **90508**
Prep Date: **8/22/2022**	Analysis Date: **8/23/2022**	SeqNo: **3232005** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.7	23.28	0	117	70	130			
Surr: BFB	2300		931.1		250	37.7	212			S

Sample ID: **2208b99-014amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH24@ 16-20**	Batch ID: **69661**	RunNo: **90508**
Prep Date: **8/22/2022**	Analysis Date: **8/23/2022**	SeqNo: **3232006** Units: **mg/Kg**

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 Quanitative 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#: **2208B99**

13-Sep-22

Client: ENSOLUM

Project: BCS

Sample ID: **2208b99-014amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH24@ 16-20**	Batch ID: **69661**	RunNo: **90508**
Prep Date: **8/22/2022**	Analysis Date: **8/23/2022**	SeqNo: **3232006** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.7	23.30	0	118	70	130	0.672	20	
Surr: BFB	2300		932.0		246	37.7	212	0	0	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 Quanitative 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#: **2208B99**

13-Sep-22

Client: ENSOLUM

Project: BCS

Sample ID: **lcs-69642**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **69642**	RunNo: **90464**
Prep Date: **8/19/2022**	Analysis Date: **8/23/2022**	SeqNo: **3229691** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.3	80	120			
Toluene	0.92	0.050	1.000	0	91.7	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.3	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.6	70	130			

Sample ID: **mb-69642**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **69642**	RunNo: **90464**
Prep Date: **8/19/2022**	Analysis Date: **8/23/2022**	SeqNo: **3229692** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		98.7	70	130			

Sample ID: **lcs-69661**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **69661**	RunNo: **90508**
Prep Date: **8/22/2022**	Analysis Date: **8/23/2022**	SeqNo: **3232027** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.6	80	120			
Toluene	0.96	0.050	1.000	0	95.6	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.0	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		100	70	130			

Sample ID: **mb-69661**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **69661**	RunNo: **90508**
Prep Date: **8/22/2022**	Analysis Date: **8/23/2022**	SeqNo: **3232028** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.0	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 Quanitative 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#: **2208B99**

13-Sep-22

Client: ENSOLUM

Project: BCS

Sample ID: **2208b99-015ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH25@ 16-20**	Batch ID: **69661**	RunNo: **90508**
Prep Date: **8/22/2022**	Analysis Date: **8/23/2022**	SeqNo: **3232041** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.024	0.9775	0	94.2	68.8	120			
Toluene	0.97	0.049	0.9775	0	98.8	73.6	124			
Ethylbenzene	1.0	0.049	0.9775	0	102	72.7	129			
Xylenes, Total	3.0	0.098	2.933	0	102	75.7	126			
Surr: 4-Bromofluorobenzene	0.97		0.9775		99.4	70	130			

Sample ID: **2208b99-015amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH25@ 16-20**	Batch ID: **69661**	RunNo: **90508**
Prep Date: **8/22/2022**	Analysis Date: **8/23/2022**	SeqNo: **3232042** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.024	0.9785	0	96.9	68.8	120	2.95	20	
Toluene	0.99	0.049	0.9785	0	101	73.6	124	2.37	20	
Ethylbenzene	1.0	0.049	0.9785	0	105	72.7	129	2.56	20	
Xylenes, Total	3.1	0.098	2.935	0	105	75.7	126	2.58	20	
Surr: 4-Bromofluorobenzene	0.97		0.9785		99.1	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 Quanitative 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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: ENSOLUM | Work Order Number: 2208B99 | RcptNo: 1

Received By: Juan Rojas 8/19/2022 6:35:00 AM

Completed By: Tracy Casarrubias 8/19/2022 9:19:23 AM

Reviewed By: 8-19-22

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° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. 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: JN 8/19/22

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	0.8	Good	Yes			

Chain-of-Custody Record

Client: ~~Mara~~ Ensolum, LLC

Stuart Hyde

Mailing Address: 776 E. 2nd Ave

Durango, CO 81301

Phone #:

email or Fax#: shyde@ensolum.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

5 day

☒ Standard ☐ Rush

Project Name:

BCS

Project #:

Project Manager:

Stuart Hyde

Sampler: E. Carroll

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 0.6+0.2=0.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2208899	BTEX / ~~MTBE~~ / TMB's (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_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
8-17	9:30	SOIL	BH18 @ 0-4	1 4oz	Cool	001	X	X								
	9:40		BH18 @ 16-20			002										
	10:00		BH19 @ 4-8			003										
	10:20		BH19 @ 16-20			004										
	10:30		BH20 @ 8-12			005										
	10:45		BH20 @ 16-20			006										
	11:20		BH21 @ 12-16			007										
	11:30		BH21 @ 16-20			008										
	11:40		BH22 @ 12-16			009										
	11:50		BH22 @ 16-20			010										
	12:46		BH23 @ 0-4			011										
	12:55		BH23 @ 16-20			012										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8/18	1500			Walk-in	8/18/22	1500
8/18/22	1819			Courier	8/19/22	6:35

Remarks:

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

Chain-of-Custody Record

Client: Ensolum

Stuart Hyde

Mailing Address: 776 2nd Ave

Durango CO. 81301

Phone #:

email or Fax#: shyde@ensolum.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 5 day

☒ Standard ☐ Rush

Project Name: BCS

Project #:

Project Manager: Stuart Hyde

Sampler: E. Carroll

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 0.6+0.2=0.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2208399	BTEX / MTBE / TMB's (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_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
8-17	13:15	Soil	BH24 @ 8-12	14 02	Cool	013	X	X								
↓	13:20		BH24 @ 16-20	↓	↓	014	↓	↓								
	1350		BH25 @ 16-20			015										
	1400		BH25 @ 20-24			016										
	1415		BH26 @ 16-20			017										
	1420		BH26 @ 20-24			018										
	1430		BH27 @ 16-20			019										
	1440		BH27 @ 20-24			020										
	1450		BH28 @ 16-20			021										
↓	1500		BH28 @ 20-24			022										
8-18	9:30		BH29 @ 12-16			023										
8-19	9:40		BH29 @ 18-20			024	↓	↓								

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8/18	1500			Courier	8/18/22	1500
8/18/22	1819	Christa Waller		Courier	8/19/22	6:35

Remarks:

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

3 of 3

Chain-of-Custody Record

Client: Ensolum

Stuart Hyde

Mailing Address: 776 E. 2nd Ave

Durango CO 81301

Phone #:

email or Fax#: Shyde@ensolum.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 5 days

☒ Standard ☐ Rush

Project Name: BCS

Project #:

Project Manager: Stuart Hyde

Sampler: E. Carroll

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 0.6+0.2=0.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2208899	BTEX / MTBE / TMB's (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_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
8-18	950	Soil	BH30 @12-16	1 4oz	cool	025	X	X								
↓	1000	↓	BH30 @18-20	↓	↓	026	↓	↓								
↓	1010	↓	BH31 @12-16	↓	↓	027	↓	↓								
↓	1070	↓	BH31 @16-20	↓	↓	028	↓	X								

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8/18	1500		Chris Walls		8/18/22	1500
8/18/22	1819	Chris Walls				
			Received by:	Via:	Date	Time
					8/19/22	6'35

Remarks:

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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: Western Refining Southwest LLC 539 South Main Street Findlay, OH 45840	OGRID: 267595
	Action Number: 502070
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Accepted for record.	9/22/2025