

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.

Western Refining Southwest LLC 2022 Drilling and Soil Sampling Report Bloomfield Crude Station

Page 2

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



Western Refining Southwest LLC 2022 Drilling and Soil Sampling Report Bloomfield Crude Station

Page 3

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

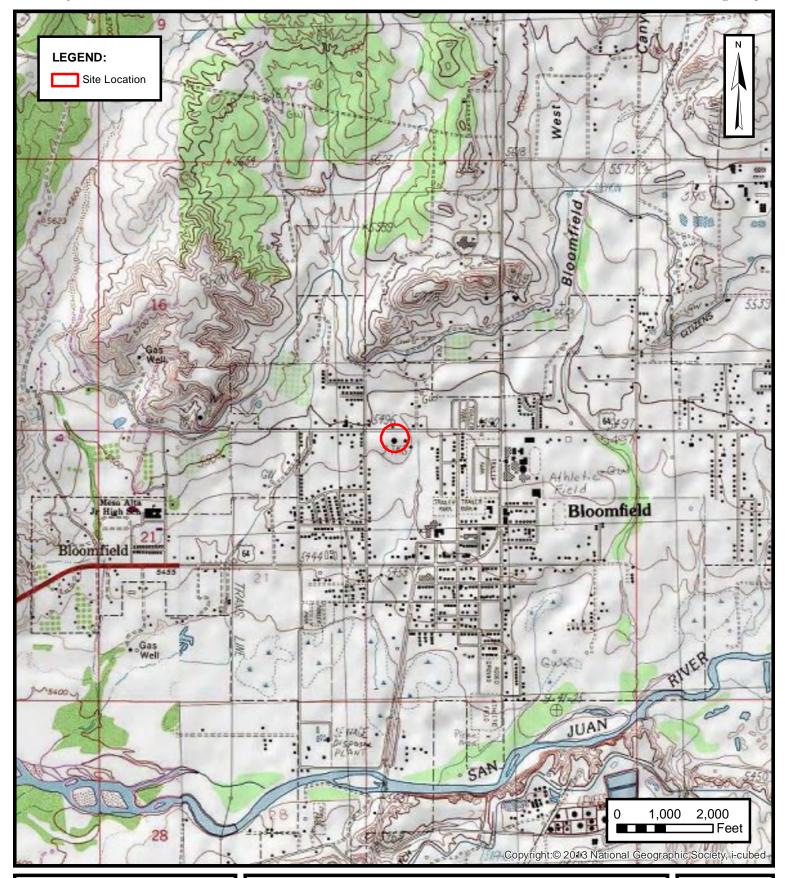
Appendix A: Field Boring Logs

Appendix B: Laboratory Analytical Reports





FIGURES



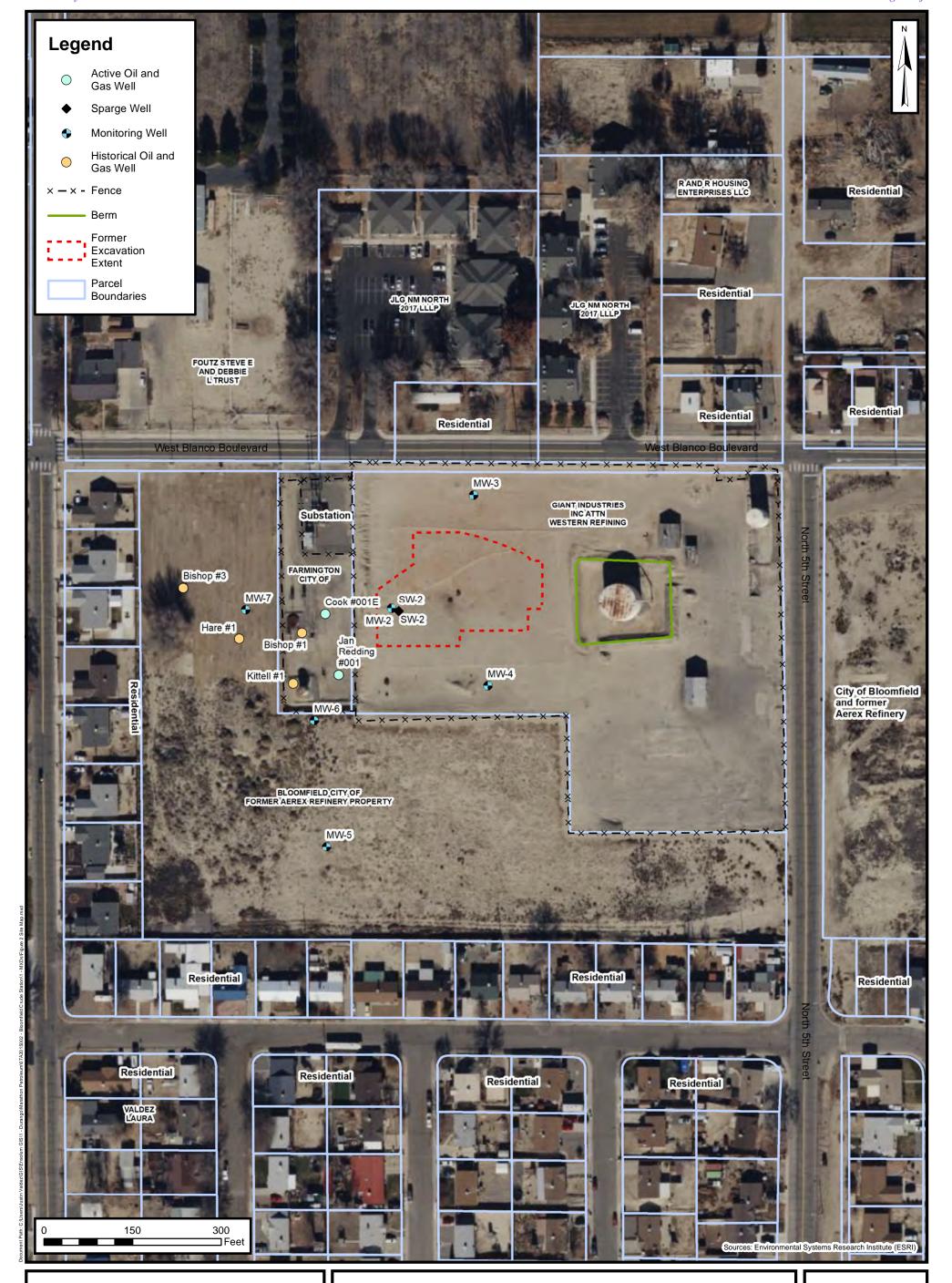


Site Location

Bloomfield Crude Station Western Refining Southwest LLC

> 36.717936°, -107.985896° Bloomfield, New Mexico

FIGURE



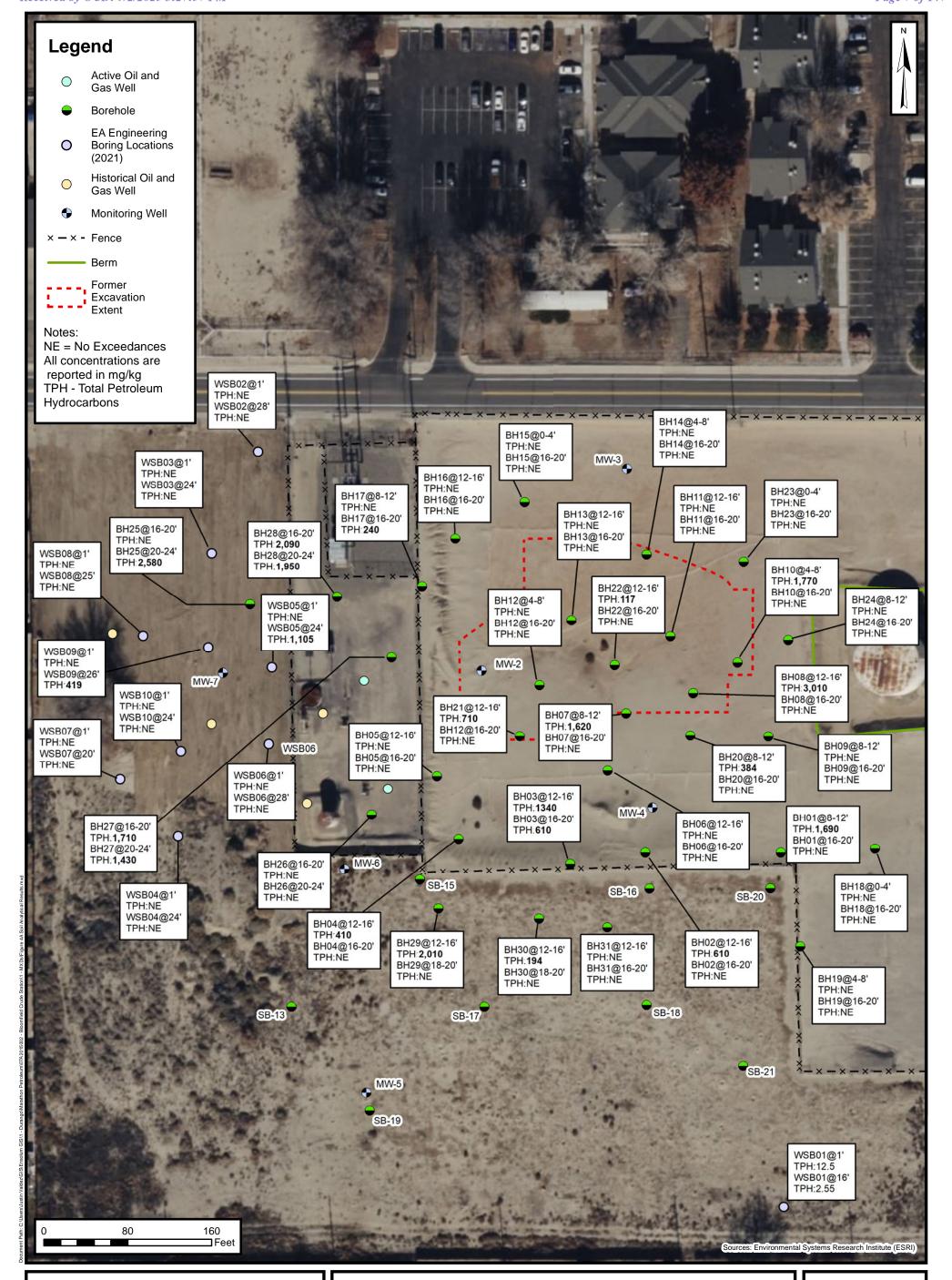


Site Map

Bloomfield Crude Station Western Refining Southwest LLC

> 36.717936°, -107.985896° Bloomfield, New Mexico

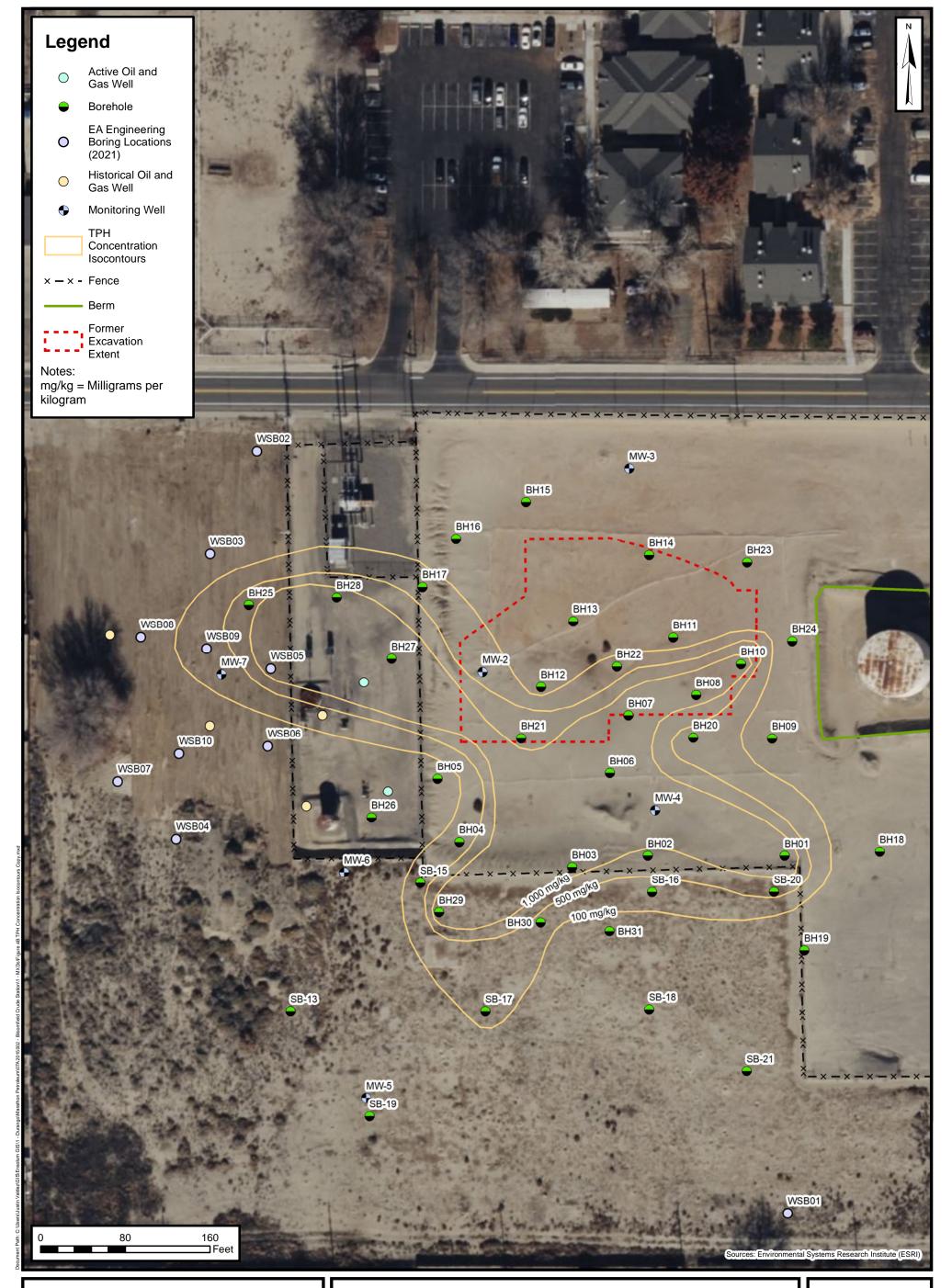
FIGURE





Soil Analytical Results

Bloomfield Crude Station Western Refining Southwest LLC 36.717936°, -107.985896° Bloomfield, New Mexico **FIGURE**





TPH Concentration Isocontours

Bloomfield Crude Station
Western Refining Southwest LLC
36.717936°, -107.985896°
Bloomfield, New Mexico

FIGURE



TABLES

ENSOLUM

				DELINI	Blo Westeri	TABLE 1 L SAMPLE AN omfield Crude n Refining Sout	NALYTICAL Station thwest LLC	RESULTS				
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 Closur by a Releas	e Criteria for S e (Groundwate	•	NE	10	NE	NE	NE	50	NE	NE	NE	100
					Ensolum Site	Investigation So	oil Sample Res	ults				
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	<0.12	<0.24	<0.24	<0.48	<0.46	7.1	12	<4 <i>7</i> <50	19
BH06 12-16	2/17/2022	12-16	3.8	<0.024	<0.046	<0.046	<0.096	<0.096	<4.6	<9.8	<50 <49	<49
BH06 16-20	2/17/2022		2.8				<0.093	<0.093				+
		16-20		<0.023	<0.047	<0.047			<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	<0.024	<0.024	<0.048	0.53	0.53	90	380	240	710
BH21 16-20	8/17/2022	16-20	0.6	<0.012	<0.024	<0.024	<0.097	<0.097	<4.9	<12	<40	<40
	l											
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

ENSOLUM

				DELINI	Bloc Western	TABLE 3 SAMPLE AI omfield Crude Refining Sou omfield, New I	NALYTICAL Station thwest LLC	RESULTS				
Sample Designation	Date	Depth (feet bgs)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (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 Closur by a Releas	e Criteria for S e (Groundwate		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 Enviro	nmental Site A	ssessment Soil	Sample Resul	ts, Former Aere	ex Refinery Pro	perty		
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
	.,,,,,,,,,	1	ī	· ·	T	Corp. Site Inve		1			1	
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	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	4 604	NA	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

Ensolum 2 of 3

Page 12 of 147



TABLE 3 **DELINEATION SOIL SAMPLE ANALYTICAL RESULTS Bloomfield Crude Station Western Refining Southwest LLC Bloomfield, New Mexico Total TPH** Ethylbenzene **Total BTEX TPH GRO TPH DRO TPH MRO** Sample Depth PID Benzene **Xylenes** Toluene (GRO+DRO+MRO) Date Designation (feet bgs) (ppm) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) NMOCD Closure Criteria for Soils Impacted NE NE NE NE 50 NE NE 100 10 NE by a Release (Groundwater <50 feet) 4/27/1995 13.0 3 NA NA NA NA NA NA NA NA NA SB-21 NA NA NA NA NA NA NA NA 4/27/1995 21.0 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

Ensolum 3 of 3



APPENDIX A

Field Boring Logs

GO TO THE PART OF		MP201	0 1) 0 10 10 10 10 10 10 10 10 10 10 10 10 1	99.9 90.9	OWNERS COUNTY OF THE PROPERTY			Boring/Well Date: Logged By: Drilling Meti	2/17/22 E. Carroll	/ELL COMPLETION D Project: Bloomfield Cru Project Number: 3140396: Drilled 8y: Earthw Sampling Method: Direct Push	8.000
Gravel Pack 10-20 Si	C:							Seal: Hydrate	d Bentonite Chips	Grout: Bentonite-Cement :	Slurry
Casing Type	e:							Diameter:	Length:	Hole Diameter:	Depth to Liquid
Screen Type				Slot:				Diameter:	Length:	Total Depth:	Depth to Water:
	edule 40			0.0	10"				2"	<u> </u>	
Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Ren	narks	Well Completion
	m	0.8	N	BH0 8-17'	0	1		SM SM	41.8 Coarse so fine sand le 1t. brown 8'-12' Black, HC & Sand le sitt	and w	
	m	46.6	у	9:15	11	3		5M	12'-6' HC Scair It' brown si	1 end@131. 16y Soud	

Ę		_										
										Boring/Well#	B401	
II										Project:	Bloomfield Crude Stat	ion
										Project #	31403968.000	
L										Date	2/17/93	
	Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Litho	ology/Remarks	Well Completion
	Qtab (ppn	Moisture Content			BH61 8-35	15				16.70' It. Sand, Satur	brown coarse few sist, ated @ 19'	1 1
						35 <u>-</u> 36 <u>-</u> 37						 <u> </u>

Elevation: Gravel Pack 10-20 S Casing Type	S456 k: illica San e: edule 40	money and a second seco	3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10-22 17-23 18-23	PID 784.0	MPTO MPTO TO THE PERSON TO THE		Boring/Well Date: Logged By: Drilling Met Seal: Hydrate: Diameter:	2/17/27 E. Carroll	Project: Bloomfield C Project Number: 314039 Drilled By Earth Sampling Method: Direct Pu: Grout: Bentonite-Cemen Hole Diameter: Total Depth:	rude Station 68.000 worx sh Sleeve
	dule 40	T		0.0	10"				2"		
Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Ren	narks	Well Completion
	m	1.4	~		0 _ 1 _ 2 _ 3 _ 3 _ 4 _ 4	-		59	It. brown co NO Stain/	owse sand	
	m	1.0	~		5 _ 6 _ 7 _ 8 _			59	SAA		
	m	2.8	N		9 - 10 - 11 - 12 -			SM	It. brown si NO Spains	odsv	
	m	456	Y	9:46	13 _ 14 _ 15	-		SM	Dark brown few clay HC Stain 12		+

						Boring/Well #	BH02	
						Project:	Bloomfield Crude Sta	tion
						Project #	31403968.000	
L						Date	7-17-3	2
Qtab (ppm) Moisture Content Vapor (ppm)	Staining	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Litho	ology/Remarks	Well Completion
Sat 12.8		15				Suburable Coarse S	d 10. brown and	

Elevation:	5456	Program	0	10-20 10-20	PAND 1 3 PAND 1 PAND	Mariaga Mariaga MD 43		Boring/Well Date: Logged By: Drilling Meth Seal:	8 H 0 3 2 - 17 - 22 E. Carroll	Project: Bloomfield Project Number: 31403 Drilled By: Eart Sampling Method:	Crude Station 968.000 hworx ush Sleeve
10-20 Si	2:							Diameter:	Length:	Hole Diameter:	Depth to Liquid
Sche Screen Type	edule 40 e:	PVC		Slot				Diameter:	Length	Total Depth:	Depth to Water:
, , , .	dule 40		_	0.0	10"				7 ^H		
Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Rer	narks	Well Completion
	m	1.6	N		0 _ 1 _ 2 _ 3 _ 4 _ 5 _ 6 _ 7 _ 7 _ 9 _ 10 _ 11 _ 11 _ 1			SP SM	SAA It brown, S No Stai	ilby Sand	
	m	725	У	b.ca	12 - 13 - 14 - 15			SM	Dark gray, 140 Strong Odor, Sa		

1									Boring/Well #	BH03	
									Project	Bloomfield Crude Sta	tion
									Project #	31403968.000	-
									Date	2-17-22	-
Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Litho	ology/Remarks	Well Completion
	M	42		W:10	15			SM	davk br	ilty Sand own, black Olgani O' ell inscu'	

Elevation: Gravel Pack 10-20 Si Casing Type Sche	5456 dilica San	20 00 00 00 00 00 00 00 00 00 00 00 00 0	as 10 Percetor:	1022 1011 1490 1011	(P17) MPD W W W W W W W W W W W W W			Boring/Well Date: Logged By: Drilling Meth Seal: Hydrated Diameter:	BH04 2-17-27 E. Carroll Direct Puch Bentonite Chips Length:	Project: Bloomfield Project Number: 31403 Drilled By: Eart Sampling Method: Direct P Grout: Bentonite-Ceme	Crude Station 2968.000 hworx ush Sleeve nt Slurry Depth to Liquid:
Screen Type Sche	e edule 40	PVC		Slot: 0.0	10"			Diameter 2	Length:	Total Depth:	Depth to Water:
Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #		Sample Run	Recovery	Soil/Rock Type	Lithology/Re	marks	Well Completion
	m	2.8	N		2 3 4			Sp	1t brown 6 Sand No Stain	lodor	
	m	3.7	~		5 7 7 8			51	SAA		
	m	130	У		9 10 11 12			SM	Dark brown Sand HC 56 to 17'		
	m	476	У	10:20	13 <u> </u> 14 <u> </u> 15 <u> </u>			5M	Dark gray, S. HC Souin Sli	ity Sand	+

			_	•••					Opering Obtail #	0.4614	
									Boring/Well# Project:	BHO21 Bloomfield Crude Sta	tion
									Project #	31403968.000	
									Date	2-17.72	
F=								<u> </u>	Date	F*(1°7)	
Qtab (ppm)	Moisture	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Litho	ology/Remarks	Well Completion
Qtab			Stai		15 _ 16 _	Run				wn Silby Sand noise in ends @ 16.5'	+

INC. 100 O	S456	P P P P P P P P P P	MY 3 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	AR 3	PID	MATTER CO.	•	Boring/Well I Date: Logged By: Drilling Meth Seal:	2-17-22 E. Carroll	Project: Bloomfield (Project Number: 31403' Drilled By: Eart!	Orude Station 968.000 nworx ush Sleeve
	edule 40	PVC		Slot					Length:	Total Depth:	Depth to Water:
	edule 40	1	T =		10"				rengta	Total Deptil.	Septim 13 Francis
Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Rer	narks	Well Completion
	m	3.5 4.2	N		0 _ 1 _ 2 _ 3 _ 4 _ 5 _ 6 _ 7 _ 8 _ 9 _ 10 10 1			SP	1t. brown con No stain/or SAA		
		4.8 16.8	<i>N</i>	₩ ;3 0 ₩;50	11 _ 12 _ 13 _ 14 _ 15		:	SM SM	NO Stain! Dork brown Si	oder _	† † † † † † † † † † † † † † † † † † †

						_			Boring/Well #	BH05	
									Project:	Bloomfield Crude	Station
									Project #	31403968.00	
									Date	2-17 -21	L
Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Litho	ology/Remarks	Well Completion
	Vm	17.6	N	(C.66	15			SM	Dark bro Saburate Silty San	own sand of 16.5'-18' d 18'-20'	

MPSST 172.4	(T) (S) (S) (S) (S) (S) (S) (S) (S) (S) (S			WESTERN 1922	IP17		N	B	ORING LOG (MONITORING M	VELL COMPLETION	LDIAGRAM	
IP1 0 13 Pti 5 12 NIP0g 12		9	1 1 /	MP1 Pin 349.8				BORING LOG/MONITORING WELL COMPLETION DIAGRAM Boring/Well Number: Project:				
IPO@9 PiD 1,006.0	4	Co alea	PROBE ALL S	P9-012	PID 755.0			Date:	BHOG	Bloomfield Project Number:	Crude Station	
MP1 do di	1	MP26	V	Marie Marie	\$10	MIL SOLO	ì	Logged By:	2-17-72	31403 Drilled By:	968.000	
L @		P 0 494.0	D CO TAND	(P3 db 12 this 738.6	IP46017 PID 616.6	17-1 de s			E. Carroll	Eart	hworx	
Elevation	5456		Detector:		PID			Drilling Meth	Direct Puch	Sampling Method: Direct P	ush Sleeve	
Gravel Pack 10-20 Si		d						Seal: Hydrated	d Bentonite Chips	Grout: Bentonite-Ceme	nt Slurry	
Casing Type	2:							Diameter:	Length:	Hole Diameter:	Depth to Liquid:	
Screen Type				Slot:	4 O.U.			Diameter	l.ength:	Total Depth:	Depth to Water:	
	dule 40		. 8	0.0	10"				2"	<u></u>	+	
Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Ren	narks	Well Completion	
	W	1.5	~		0 _ 1 _ 2 _ 3 _			SP	It. brown Sand No Stain/o			
	W	3.6	<i></i>		4 5 6 7 7 8 8 _	-		SM	Dark red bro sand no st	wn siley		
	m	3.6	~		9 10 11 11 12			SM	Dark brown Si Some clay NO Soa			
	m	3,8	N	11:15	13 14 15			SM	SAA Satwased coar 14'-15'	se sand	<u> </u>	

			Boring/Well #	BHOG	
			Project:	Bloomfield Crude Sta	ition
			Project #	31403968.000	
			Date	2-17-31	
Qtab (ppm) Moisture Content Vapor (ppm)	Content Vapor (ppm) Staining Sample #	Recovery Soil/Rock Type	Litho	logy/Remarks	Well Completion
	2.8 N 11:30 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	SM	- , ,	own Sandy clay on Nodor 11 install	

BORING LOG/MONITORING WELL COMPLETION DIAGRAM Boring/Well Number: BHO 1 Project: Bloomfield Crude Station Date: 2-17 - 2 2 31403968.000 Date: 3-17 - 2 2 31403968.000 Direct Puch Direct Puch Direct Puch Direct Push Sampling Method: Direct Push Sleeve Gravel Pack: 10-20 Silica Sand 10-20 Silica Sand Casing Type: Schedule 40 PVC Screen Type: Schedule 40 PVC Screen Type: Schedule 40 PVC Casing Type: Schedule 40 PVC Condition Sampling Method: Direct Push Sample Solow Schedule 40 PVC Diameter: Length: Hole Diameter: Depth to Liquid: Schedule 40 PVC Completion Diameter: Length: Total Depth: Depth to Water: Schedule 40 PVC Completion Well Completion
BORING LOG/MONITORING WELL COMPLETION DIAGRAM Boring/Well Number: BHO 1 Project: Bloomfield Crude Station Date: 2-17-22 Starthworx Elevation: Detector: Surry Gravel Pack: Seal: Hydrated Bentonite Chips Bentonite-Cement Slurry Casing Type: Schedule 40 PVC Schedule 40 PVC Schedule 40 PVC O.010" Boring/Well Number: BHO 1 Project: Bloomfield Crude Station Project Number: 31403968.000 Direct Puch Sampling Method: Direct Push Sleeve Grout: Grout: Length: Bentonite-Cement Slurry Diameter: Length: Depth to Liquid: Depth to Uiquid: Schedule 40 PVC Schedule 40 PVC O.010" Boring/Well Number: BHO 1 Project: Bloomfield Crude Station Project: Number: BHO 1 Project: Number: Bloomfield Crude Station Project: Number: BHO 1 Project: Number: BHO 1 Earthworx Sampling Method: Direct Push Sleeve Grout: Length: Hole Diameter: Depth to Liquid: Depth to Uiquid: Depth to Water: Depth to Water: Schedule 40 PVC Screen Type: Slot: Diameter: Length: Total Depth: Depth to Water: Depth to Wate
Boring/Well Number: BHO 1 Project: Bloomfield Crude Station Project Number: 31403968.000 Logged By: Elevation: Date: Direct Puch Direct Puch Direct Push Sleeve Gravel Pack: 10-20 Silica Sand Casing Type: Schedule 40 PVC Screen Type: Schedule 40 PVC Diameter: Length: Schedule 40 PVC Diameter: Length: Diameter: Length: Diameter: Length: Diameter: Length: Diameter: Length: Diameter: Diameter: Length: Diameter: Diameter: Length: Diameter: Diameter: Diameter: Length: Diameter: Di
Date: Date
Logged By: Logged By: E. Carroll Earthworx Elevation: Detector: Sampling Method: Direct Puch Direct Puch Direct Push Sleeve Gravel Pack: 10-20 Silica Sand Casing Type: Schedule 40 PVC Screen Type: Schedule 40 PVC O.010" Logged By: E. Carroll Earthworx Sampling Method: Direct Puch Direct Puch Direct Puch Direct Puch Direct Puch Direct Puch Direct Push Sleeve Grout: Hydrated Bentonite Chips Bentonite-Cement Slurry Depth to Liquid: 2" Screen Type: Schedule 40 PVC O.010" 2" Depth to Water: Dept
Elevation: S456 PID Direct Puch Direct Puch Direct Push Sleeve Gravel Pack: 10-20 Silica Sand Casing Type: Schedule 40 PVC Screen Type: Schedule 40 PVC Diameter: Diameter: Diameter: Diameter: Diameter: Length: Diameter: Length: Diameter: Length: Total Depth: Depth to Water: Depth to Water: Depth to Water: Depth to Water: Schedule 40 PVC Screen Type: Schedule 40 PVC Diameter: Depth to Water:
Gravel Pack: 10-20 Silica Sand Casing Type: Schedule 40 PVC Screen Type: Schedule 40 PVC Diameter: Schedule 40 PVC Diameter: Diamet
Casing Type: Diameter: Length: Hole Diameter: Depth to Liquid: Schedule 40 PVC 2" Screen Type: Slot: Diameter: Length: Total Depth: Depth to Water: Schedule 40 PVC 0.010" 2"
Screen Type: Slot: Diameter: Length: Total Depth: Depth to Water: Schedule 40 PVC 0.010" 2"
Sombletion A completion Co
Solidan Stail and Stail and Stail and Stail and Solidan Solidan Stail and
M J.5 N 1 Dork red brown 5and, some Silb
m 33.7 y 6 5 SAA above 5 Black HC Staining 6't
m 33.7 y 6 \$ SP Black HC Staining 6't
Derk brown Silty sand
m 130 Y 10 11 SM HE Scain 500,05 & 9 +
T T T T T T T T T T T T T T T T T T T
m 16.0 y Saturated 14-15' course sand silty sand
Vm 15 Dork brown Sandy clay

		-				0.4.57	
					Boring/Well # Project:	BI107 Bloomfield Crude Stati	ion
					Project #	31403968.000	-
					Date	7-17-2	
					Date	7-11-5	^
Qtab (ppm) Moisture Content Vapor (ppm)	Staining Sample #	Depth Sample (ft. bgs.) Run	Recovery	Soil/Rock Type	Litho	ology/Remarks	Well Completion
m 2.5		15			Dark brifew of Sandy Co		

Distance of the							- × -'		·		
A A A A A A A A A A A A A A A A A A A	IPTO GOOD PROPERTY OF THE PROP			0122 MIT 14 07 100 99 MIT 100 90 MIT 1	AMIro Be e enzy but but but but but but but but but but			B Boring/Well	ORING LOG/MONITORING W	/ELL COMPLETION I	
PO 000 PIC 1,006.0	4	PIO 878.8		P0@15 P10 #37.6	PID 758.0	7		Date:		Project Number:	
MP100V PID seza	-1	MPZ P	V	MVV-4 MP4	937	PID Sex.		160	7-17-22	3140396	58.000
[r-p 401.0]	, .L	(F : @ 17)		© 12 PH) 730.0	P-401	740		Logged By:	E. Carroll	Drilled By: Earth	vorx
Elevation	Elevation: Detector:							Drilling Met	hod: Direct Puch	Sampling Method: Direct Pus	h Sloovo
Gravel Paci	5456 c				riu			Seal:	Direct rucii	Grout	
	10-20 Silica Sand							Hydrate:	d Bentonite Chips Length:	Bentonite-Cement	Slurry Depth to Liquid:
	Casing Type: Schedule 40 PVC								2"	mole plameter:	31.5
Screen Typ	creen Type: Slot: Schedule 40 PVC 0.010"							Diameter:	Length:	Total Depth	Depth to Water
		T	Ę		10				<u> </u>	l	
Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Ren	narks	Well Completion
					0				It. Brown Co	carse sand	
ll	000	, ,	/		1	-			No Stain/	odo c	+
ll	m	1.7	$ \sim $		^ -	1		50	100 700117	UMCJY	†
ll					2			[4]			I
ll					3	-					+
ll											†
ll					4					_	+ 11 1
ll					5 .				Deste Leven of		+
[[ਁ]				Dark brown, s Some sile	and,	†
		21.0.1		,	6			Cn	JUTATE 3,16		1
	m	414	У		7	-		フピー	HC Stain @	6+	+
			′]			Slight odor		Ţ
					8 -						+
					9 -	-			Dark gray it	c stained	†
		CEC	V			.]		C	Siley Sand	-	T
	m	655	/		10 -			SM			+
				}	11						<u>†</u>
						.]					T
					¹² -	H = 1					+
					13	<u> </u>			SAA HC Sta. Saturated 14-1	in & odor	1
	m	751	У	12:45]	.		SM	Control III I	c 1	+
					14 _			,	Sacwacea 14-1)	+
<u> </u>			1		15]					<u> </u>

MATERIAL STATE OF THE STATE OF	PIRGO PICO 439 B MINING 120 C 120 C		×	700 88 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	OWNER REPINING SOUTH PROPERTY OF THE PROPERTY		N	В	ORING LOG/MONITORING W	ELL COMPLETION E	DIAGRAM	
MP0@1F		M2 0		390 0 0 1 1 777 0 2 1	1	(E.) (B)		Boring/Well Number: 8H09 Project: Bloomfield Crude Station				
PIG 1,005.0	4	1	nn esse	PR 527.6	In 10 00 5.0 @	MI GOLD	-	Date:	2-17-22	Project Number: 3140396	8.000	
MP1000 P/D 002.0		MP2011	In Sec.	Myv.4 Mp4	917 9320 0 1P4812 P48 13	IPS GO OF IPST FEE		Logged By:	E. Carroll	Drilled By:		
Elevation:	5456	P1817 PD 4843	Detector:		PID			Drilling Met		Sampling Method: Direct Pusi		
Gravel Paci	kı							Seal:	d Bentonite Chips	Grout: Bentonite-Cement		
Casing Typ								Diameter:	Length:	Hole Diameter	Depth to Liquid	
Screen Typ	edule 40	PVC		Slot				Diameter:	Length:	Total Depth:	Depth to Water:	
	edule 40	T	۶	0.0	10"	7	Γ					
Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Ren	narks	Well Completion	
	m	3.5	N		0 _ 1 _ 2 3			58	It. brown 1009 Sand No Spain/	odor		
	m	5,0	~		5 _ 6 _ 7 _ 8 _	-		SM	Dark brown Sand No Stainled	siley		
	m	6.5	N	13×10	9 10 11			SM	Dowk brown some clay	Silty Sand		
	m	4.7	~		12 _ 13 _ 14 _ 15	-		SM	SAA		+	

Casing Typ Sche Screen Typ	5456 k: ilica San e: edule 40	IP MOTO BALL	10 00 13 00 10 00	30.0 Sept. Sept.	MPG A S A S A S A S A S A S A S A S A S A	10 0 MP 1000 PID 42		BORING LOG/MONITORING WELL COMPLETION DIAGRAM Boring/Well Number: BH 10 Date: Project: Bloomfield Crude Station Project Number: 31403968.000 Drilled By: E. Carroll Drilling Method: Direct Puch Seal: Hydrated Bentonite Chips Diameter: Length: Diameter: Length: Diameter: Length: Diameter: Diameter: Length: Diameter: Depth to Water:				
Qtab (ppm)	Moisture	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Ren	narks	Well Completion	
	m	4.7	N		0			SP	It. brown 15 Sand	105 e Coovisc		
	m	704	~	13;30	4 _ 5 _ 6 _ 7 _ 7 _ 8			SM		Siley Sand		
	m	491	Υ		9 - 10 _ 11 _ 12			SM	SAA HC Stain en	ds @ 10¹	+ + + +	
	m	8.6	N		13 _ 14 _ 15			SM	Dark brown s Some clay	silty sand		

	•				 				
							Boring/Well #	BH 10	
						:	Project:	Bloomfield Crude St	ation
							Project #	31403968.000	
							Date	2-17-3	ξ
Qtab (ppm) Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	 Recovery	Soil/Rock Type	Lith	ology/Remarks	Well Completion
m 5	5.8	· //	13.40	15		SM	Sew (Silby Sand Cray de charse sand 5-20'	

Elevation Gravel Pact 10-20 S Casing Type Sche Screen Typ	5456 k: ilica San e: edule 40 e:	d PVC	Property Detector	98.9 (9 %) 98.9 (##17 Mind			Boring/Welf Date: Logged By: Drilling Metl Seal: Hydrate Diameter: Diameter:	BHIII 2-17-22 E. Carroll nod: Direct Puch d Bentonite Chips Length: Length:	Project: Bloomfield Cr Project Number: 3140396 Drilled By: Earthw Sampling Method: Direct Pusi Grout: Bentonite-Cement Hole Diameter:	ude Station 8.000 vorx n Sleeve
	dule 40		<u>c</u>	0.0	10"				2"	<u></u>	
Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Ren	narks	Well Completion
	m	1.6	\wedge		1 2 3			57	It. brown low Sand No Stain	ose course lodor	
	W	1.3	\sim		5 6 7			4P	SAA	-	
	~	1.7	N		9 10 11 12 12			SM	Dark brown few clay	Silty sand	+
	m	2.5	· N	13150	13 <u>1</u>			5M	SAA		

								-	Boring/Well#	BH11	1
									Project:	Bloomfield Crude Star	tion
									Project #	31403968.000	
									Date	2-17-32	
=	6:						_	-		J J T V X	
Qtab (ppm)	Moisture	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Litho	ology/Remarks	Well Completion
Qta		0.9		/4:c t	15				Dovk Sand, f	brown silby ew clay	
					27						

Elevation: Gravel Pact 10-20 S Casing Type Sche Screen Typ	5456 k: illica Sande: e: edule 40	principle of the princi	88 12 08 10 88 12 08 10	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	INTO CONTROL OF THE PROPERTY O	Wast Wast Wast Wast Wast Wast Wast Wast	a	BORING LOG/MONITORING WELL COMPLETION DIAGRAM Boring/Well Number: BH/Q Project: Bloomfield Crude Station Date: 3-17-22 Sloomfield Crude Station Date: Drilled By: E. Carroll Earthworx Drilling Method: Direct Puch Sampling Method: Direct Push Sleeve Seal: Hydrated Bentonite Chips Bentonite-Cement Slurry Diameter: Length: Total Depth: Depth to Water 2" Depth to Water			
Qtab (ppm)	Moisture all Content 05	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample # 0		Sample Run	Recovery	Soil/Rock Type	Lithology/Ren	narks	Well Completion
	m	3.0	<i>N</i>		0 1 2 3			SP	it. brown, 1005 Sand No Stain/a	e, course	
	m	2.2	N	14:15	4 5 6 7 8 8			SP	SAA		
	m	1-6	N		9 10 11 12			SM	Red brown, 10 Sand, little s	116	
	Vm	0.8	N		13 14 15			SA	Red brown, cours Saturated 14-16' Organics		

_									4	
								Boring/Well #	BH 12	
								Project	Bloomfield Crude	
•								Project #	31403968.00	
								Date	3-17-22	
Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Recovery	Soil/Rock Type	Lith	ology/Remarks	Well Completion
Qtab (pi		mdd)		14:30	15 _				wh, dense, firm ad, few clay	
					35 . 36 . 37					‡

Mental of the state of the stat	5456	132 h	0.0000	10-20 PP (20)	MP9 3504 8 250 7505 8 250 7607 8 250 7607 8 250	(P10	1	Boring/Well Date: Logged By: Drilling Metl Seal: Hydrates	BH/3 2-18-22 E. Carroll	Project: Bloomfield Project Number: 31403 Drilled By: Eart Sampling Method: Direct P Grout: Bentonite-Ceme	Crude Station 3968.000 thworx rush Sleeve
Casing Type Sche	e: edule 40	PVC						Diameter:	Length:	Hole Diameter	Depth to Liquid:
Screen Type	e:			Slot:	4.01			Diameter	Length;	Total Depth:	Depth to Water:
Otab (ppm)	Moisture OP aln Content OP	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rack Type	Lithology/Re	emarks	Well Completion
	m	0.6	~	8	0 _ 1 _ 2 _ 3 _ 4			sp	It. brown, 100 Sand	ise, coarse	
	W	1.0	~	şō.	5 - 7 - 7 - 8 - 9 - 9			58	SAA		
	m	1.4	~		10 11 12 13 13			SP	Red brown siley	Sond	
	m 5	3.4	· N	9:30	14			SM	Scibbirated gray	Sand	+

									Boring/Well #	BH13	
									Project:	Bloomfield Crude Stati	on
									Project #	31403968.000	
									Date	3-18-72	
Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type		ology/Remarks	Well Completion
	M		~	4,	15 <u>-</u> 16 <u>-</u>	-		SM	Grey braun Some	M Sandy clay Sile - Clay M Sandy clay Sile e clay	
	m	1,2	~	9:40	17 _ 18 _ 19 _			SM	Son Sou	e clay	
					20				, ,	_ ~ ~	
					21 -	<u> </u>			TD =	201	
					23	- -				-	<u> </u>
		i			24 _ 25			-		-	
					26					- -	
					27	• •				-	‡
					28 _					-	†
					30	<u> </u>				-	†
					31 <u>-</u> 32 <u>-</u>					-	<u> </u>
					33	-					
			In		34 <u>-</u> 35	<u> </u>					†
					36		:				‡
					37	<u> </u>					<u>† </u>

(2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	于	P7612	0 404 1 1 1 1 1 1 1 1 1	(1) 4 (1) 1	10-11 Mario (10-1)			Boring/Well Date Logged By: Drilling Meth	B11.14 7-18-32 E. Carroll	Project Bloomfield C Project Number: 314039 Drilled By: Earth Sampling Method:	DIAGRAM Trude Station 168.000 DIAGRAM Trude Station Trude Station Trude Station
Gravel Pack 10-20 Si								Seal: Hydrated	Bentonite Chips	Grout: Bentonite-Cemen	t Slurry
Casing Type	e:							Diameter:	Length	Hole Diameter:	Depth to Liquid:
Screen Type				Slot:				Diameter:	Length:	Total Depth:	Depth to Water:
	dule 40		اع	0.0	10"	ı			pit .	J	
Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth S (ft. bgs.)	ample Run	Recovery	Soil/Rock Type	Lithology/Rea	marks	Well Completion
	m	1.4	N		1 2 3			SP	12. brown, loos Sandy	ie, Cocuse	
	m	4.0	~	P.50	4 - 5 - 6 - 7 8			SP	SAA		-
	m	1.8	~		9 10 11 11 12			SM	Dark brown,	5.1ty Sand	
	m 5	2.2	\sim		13 14 15			5M	Brown siley Saturated sa		

Elevation: Gravel Pack 10-20 Si Casing Type Sche	5456 ilica San		00 13 0 10 0 10 0 10 0 10 0 10 0 10 0 1	MANUAL MARKET DE STEEL S	OPI 7	-0		Boring/Well Date: Logged By: Drilling Meth Seal: Hydratec Diameter:	E. Carroll Direct Puch Bentonite Chips Length:	Froject: Bloomfield C Project Number: 314039 Drilled By: Earth: Sampling Method: Direct Pus Grout: Bentonite-Cement Hole Diameter:	rude Station 68.000 worx sh Sleeve
Screen Type Sche	ः !dule 40	PVC.			10"			Diameter:	Length:	Total Depth.	ocpai to tratei
Qtab (ppm)	Moisture S	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #		Sample Run	Recovery	Soil/Rock Type	Lithology/Ren	narks	Well Completion
	m	4.3	√	10:10	0			sp	It. brown, Co	curse, sand	
	M	3.0	V		4 - 5 - 6 - 7 - 8 - 9 - 9			SM	Brown, compace Sand Brown, sitty s	nance Standard Sec.	
	m	1.5	~		10 _ 11 _ 12 _ 13 _		!	5M	clay moist fine sa	Mary and the state of the state	
	m	3.1	N		14 <u> </u>			SM	Coarse Sand ler Sat- @161		+

Manager Programme Control of the Con	5456 ci ilica Sande: edule 40	13.2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	14 0 19 0 10	BS 3	PID			Boring/Well Date: Logged By: Drilling Meth Seal; Hydratec Diameter:	8H16 2-18-22 E. Carroll	VELL COMPLETION Project: Bloomfield Completed States and States a	rude Station 68.000 worx sh Sleeve
	dule 40	F			10"				2"		
Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Rer	marks	Well Completion
	m	1.3	N		0 - 1 - 2 - 3 - 3	-		Sp	10. brown, 10. Sand	oose, coarse	+
	2	1.1	~		4 - 5 - 6 - 7 - 8 -			SM	Brown, medium Sile	sand, some	
	m	2.8	~		9 - 10 - 11 - 12 -			SM	SAA		†
	m	3.2	√	10:35	13 _ 14 _ 15			SM	Brown, coarse s fines (silt/cla		+

									Boring/Well #		11/6
									Project:		d Crude Station 03968.000
									Project # Date		
_									Date	1	-18-26
Qtab (ppm)	Moisture	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	le l	Recovery	Soil/Rock Type	Lith	nology/Remarks	Well Completion
	m	26		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, Sa fines,	nd, same libb Saturated 17-	1c + 18'

Section:	5456 ca Sano ule 40	I THE PLAN OF THE	PROPERTY OF THE PROPERTY OF TH	00-0 00-0 00-0 00-0 00-0 00-0 00-0 00-	No. No.	_	a	Boring/Well Date: Logged By: Drilling Meth Seal: Hydratec Diameter:	DRING LOG/MONITORING W Number: BH17 2-18-22 E. Carroll India Direct Puch d Bentonite Chips Length; Length;	Project: Bloomfield C Project Number: 314039 Drilled By: Earth Sampling Method:	Crude Station 068.000 nworx sh Sleeve
	Moisture Content	Vapor (ppm)	HC Staining?/ Chlordie ppm	ple #		Sample Run	Recovery	Soil/Rock Type	Lithology/Rer	narks	Well Completion
	N N	0.6	Sta	Sa	0		Re	57 57	SAA	e, coorse	
		0.2	N		12 13 14 15			SM	Brown Sand, t	'ew silt	

									Boring/Well #	BHIT	
									Project	Bloomfield Crude Stati	on
									Project #	31403968.000	
									Date	2-18-22	
Qtab (ppm)	Moisture	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Litho	ology/Remarks	Well Completion
Qtab (p		Vapo (pmdd)		Sample	(ft. bgs.) 15					wn Sand Some	Completion
					27 - 28 - 29 - 30 - 31 - 32 - 33 - 34 - 35 - 36 - 37			E			

已	E	N S	01	. U	М	Project	t: MPC Name: BOS Location: Bloomfield NM Manager: S. Hyde	Ī	BORING LOG NUMBER BH18 Project No.
Date Samp Drilled by: Driller: Logged by Sampler:	: =	F-17 Eart L- Tr E- Ca	n wor	7		Top of C North C West Co Bench M	Surface Elevation: Casing Elevation: Coordinate: Coordinate: Coordinate: Coordinate: Coordinate: Coordinate: Mark Elevation: Completion Well Stabilization	Casing Di Well Mat	Diameter: 2.5 iameter: Completion: Cethod: DP
D EPTH (ft)	SAMPLE INTERV AL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIO- METRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION		BORING / WELL COMPLETION (GRAPHIC DEPICTION)
5	0-4			0-7		SP	It, brown Silby Sand, Same No stain/odan	Jemel	
5 —	4-8			0-0		5M	moise dark brown, sileys	and	
10 —	8-12			0,0		SC.	moise, brown, clayey some		
15 —	12-16			0.0	<u>v</u>		Gaburated, Coarse sand	.w >16	
20 —	K6-20			0.0		//	Survey and Je Sand		
25 —						r .			

回	EI	N S	01	. U	М	Client Project Project Project	Name: BC5 Location: Bloomsicid Manager: S. Hydis	Ĭ	BORING LOG NUMBER BH19 Project No.
Date Samp Drilled by Driller: Logged by Sampler:	: =	L Tr	carre	>		Top of C North C West Co Bench M	Surface Elevation: Casing Elevation: oordinate: oordinate: Mark Elevation: Completion Well Stabilization	Casing D Well Mat	Diameter: 2.5 iameter: crials: Completion: lethod: DP
D BPTH (ft)	SAMPLE INTERV AL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIO- METRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION		BORING / WELL COMPLETION (GRAPHIC DEPICTION)
5	0-4 4-8 8-12 12-16	1		0.0	<u>V</u>	SM SM SM	moiso, med, Gand, few simoiso dark brown sileys moiso GAA GWO 15' Gaburabed course sand		
	-								

Date Samp Drilled by:	oled:	8-1		L U	M	Project Project Project Ground Top of	t: MPC Name: Bc5 Location: Bloomfield Manager: 5 Hyac Surface Elevation: Casing Elevation: Coordinate:	Borehole Diameter: Casing Diameter: Well Materials:
Logged by Sampler:	=	E-ca 11	No!			West C Bench	Mark Elevation: Completion Well Stabilization	Surface Completion: Boring Method: DP
DEPTH (ft)	SAMPLE INTERV AL	SAMPLE	RECOVERY (%)	FID/PID READING (ppm)	POTENTIO- METRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0								
	0-4			0-3		SP	moist, coarse sand, sea silo	
5	4 -8			135		90	moiso, sand, few silt, soais @ 6.5'	nig., g
10	8-12	10:30		337		5C	Moist, Silvy Sand, Staining Stigne Strong Odor	
15	12-16			164		SM	Moise, silvy sand, staining stigne odar End Staing & 16.5'	
20 —	K-9 C ,	<i>10</i> :45				SC	moist, brown clayey, squ	nd
25 —								

回	EI	N S	01	. U	М	Project	t: MPC Name: BC5 Location: Bloom field Manager: 5 Hyde	 Pro	BORING LOG NUMBER BH 2/ Project No.		
Date Samp Drilled by: Driller: Logged by Sampler:	_		17 hhwa arro			Top of North C West C Bench I At	Surface Elevation: Casing Elevation: Coordinate: coordinate: Mark Elevation: Completion Well Stabilization	Well Materi	ials:		
D ВРТН (ft)	SAMPLE INTERV AL	SAMPLE	RECOVERY (%)	FID/PID READING (ppm)	POTENTIO- METRIC SURFACE	GEOLOGIC LOG SYMBO L	GEOLOGIC DESCRIPTION		BORING / WELL COMPLETION (GRAPHIC DEPICTION)		
				ī							
	0-4			0,0		SP	moist, 16. brown, sand, few	sils			
5	4.8			0.2		SP	5 <i>AA</i>				
10 —	8-12	7 2		170		SM	moist, Silty Sand, Stail @ 10' Slight Odar	ning			
15 —	12-16	11:26		464		SM	SAA, Staining, Sovery odd Staining and @ 16.5'	2			
	6-20	11:30		0.6		SM	Very moist, brown, silby san	~d			
20											
25 —											

Date Samp Drilled by: Driller: Logged by Sampler:	oled:	8-1"			M	Client: MPC Project Name: BC5 Project Location: Bloomfield Project Manager: S. Hyde Ground Surface Elevation: Top of Casing Elevation: North Coordinate: West Coordinate: Bench Mark Elevation: At Completion At Well Stabilization			BORING LOG NUMBER BH22 Project No. Borehole Diameter: 2.5 Casing Diameter: Well Materials: Surface Completion: Boring Method: DP		
D EPTH (ft)	SAMPLE INTERV AL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIO- METRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION		BORING / WELL COMPLETION (GRAPHIC DEPICTION)		
5	0-4	11:40		0.0 0.3	POTE NEED STORY ST	SP SP	Moist red brown, sand, few SAA Meist 16 brown Sand Trac Silb Very maist red brown coar Sand Very maist, brown Silb Sand	ce Oc			
25 —											

Date Samp Drilled by: Driller: Logged by	oled:	8-1	7 Mwg		M	Project I Project I Project I Ground I Top of C North Co	Name: BCS Location: Block Field Manager: 5 Hydle Surface Elevation: Lasing Elevation: Soordinate: Location: Lasing Elevation: Location Elevation: Location Elevation: Location Elevation: Location Elevation: Location Elevation	BORING LOG NUMBER BH 2 3 Project No. Borehole Diameter: Casing Diameter: Well Materials: Surface Completion:		
Sampler:		1/			_	At At	fark Elevation:Completion Well Stabilization	Boring Metho	d:	
D EPTH (ft)	SAMPLE INTERV AL	SAMPLE	RECOVERY (%)	FID/PID READING (ppm)	POTENTIO- METRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION		BORING / WE (GRAPHIC	LL COMPLETION C DEPICTION)
0 —										
	0-4	12:46		0.6		SP	Durk, brown, Sand, sew s.			
5 —	4-8			0-1		SP	Dark brown, moist, sand : Silv	ome		
10 —	8-12			0-1		57	SAM			
15 —	B-70			0.1		510	SAN			
20 —	6-70	12:55		0.0		SM	Moiso, dork brown, siley	Sand		
25 —										

□				. U	М	Project Project	Location: Bloom Field Manager: 5 Hydle	BORING LOG NUMBER Borehole Diameter: 2-5		
Date Samp Drilled by: Driller: Logged by Sampler:		8-17 areh E·co	wor			Top of C North C West Co Bench N	Surface Elevation: Casing Elevation: coordinate: Mark Elevation: Completion Well Stabilization	Casing Diamete Well Materials: Surface Comple Boring Method	er:	
DEPTH (ft)	SAMPLE INTERV AL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIO- METRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION		BORING / WELL COMPLETION (GRAPHIC DEPICTION)	
					,					
0	0-4			0.0		SP	Dry, 16-brown, sand, see	5:16		
	4-8			0.0		SP	SAA			
10	6-12	13:15		0-0		SP	moise, darkbown, sound, some	Silb		
15	12-16			0,0		SC	very moiso, dank brown c	layey		
20 —	K-10	13:20		0.0	-	SC	very moiso, clayer sand, w insubseded coasse san			
25 —										

已	E	N S	0	LU	М	Client: MPC Project Name: BCS Project Location: Bloomfield Project Manager: SHY & C			BORING LOG NUMBER BH 25 Project No. ————		
Date Samp Drilled by Driller: Logged by Sampler:	: _		i huxe arro			Top of Casing Elevation: North Coordinate: West Coordinate: Bench Mark Elevation: At Completion			Diameter: 2-5 iameter: erials: Completion: ethod:		
D EPTH (ft)	SAMPLE INTERV AL	SAMPLE ID	RECOVERY (%)	FID/PID READING (ppm)	POTENTIO- METRIC SURFACE	GEOLOGIC (GEOLOGIC	Well Stabilization GEOLOGIC DESCRIPTION		BORING / WELL COMPLETION (GRAPHIC DEPICTION)		
0											
	0-4		*	0-0-	100	SP	Ofy, white/brown course so	and			
5	4-8			٥٠٥		SP	SAA				
10	Q-17		2	0.1		SP	SAA				
15 —	17-16			0.0		SM	Moise, dork brown, Sirby	sand			
20	K-20	13:50		0.0		SP	Dry, 1905e, brown, coarse Sa	nd			
20	D-14	14:00		1841		57	very moist coarse sand Staining & 22°				

己	E	N S	01	. U	М	Project Project	t: MPC Name: BC5 Location: B100mf1e1d Manager: 5 Hyde	BORING LOG NUMBER BH26 Project No		
Date Samp Drilled by: Driller: Logged by Sampler:	_	8-1 Eor e	arro			Ground Surface Elevation: Top of Casing Elevation: North Coordinate: West Coordinate: Bench Mark Elevation: 3. At Completion			Diameter: 2.5 iameter: erials: Completion: ethod: 7	
DEPTH (ft)	SAMPLE INTERV AL	SAMPLE	RECOVERY (%)	FID/PID * READING (ppm)	POTENTIO- METRIC SURFACE	GEOLOGIC (FOG SYMBOL	Well Stabilization GEOLOGIC DESCRIPTION		BORING / WELL COMPLETION (GRAPHIC DEPICTION)	
5	0-4			O. 3		SP	moiss, dark brown, sand, so	ome		
5 —	4-8			0.1		SP	SAA			
10	8-17			0.0		SP	SAA			
15	12-16			0.0		SM	moise, dark brown, siley sar	rd		
20	16-20	ı		0.3		SP	moiso, brown, med-fine sona	,		
	<i>30-24</i>			0.0		SP	544			
25 —										

Date Samp Drilled by: Driller:	led:	8-17 Earth	7 hwar		M	Client: MPC Project Name: BC5 Project Location: BIRDING: SHYAL Ground Surface Elevation: Top of Casing Elevation: North Coordinate:			BORING LOG NUMBER Project No. Borehole Diameter: Casing Diameter: Well Materials: Surface Completion;		
Logged by Sampler:	: _1 _	E- C	2110	<u></u>	_	Bench N	Bench Mark Elevation: Boring Method:				
DEPTH (ft)	SAMPLE INTERV AL	SAMPLE	RECOVERY (%)	FID/PID READING (ppm)	POTENTIO- METRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION		BORING / WELL COMPLETION (GRAPHIC DEPICTION)		
				E.							
5 —	0-4			0.3		SP	moist, 1t brown, sand, s gravel	ome			
	4-8			0-1		SP	SAA				
10 —	8-12			0_1		SP	maist, 16. brown, coarse	sand			
15 —	12-16			383			Moist, It brown, sand, sew s. Staining @ 15-5' Stained Silty Sand	:16			
20 —	16-XV			3074		SP 19.5 SP					
25 —	20-24			G97		SM	Stained, med Sand, little S	Silo			

Date Samp Drilled by: Driller: Logged by: Sampler:	led:	8-1 Ears			M	Client: MPC Project Name: BCS Project Location: Bloomfield Project Manager: S Hydle Ground Surface Elevation: Top of Casing Elevation: North Coordinate: West Coordinate: Bench Mark Elevation: At Completion At Well Stabilization			Borehole Diameter: Casing Diameter: Well Materials: Surface Completion: Boring Method:		
D BPTFI (A)	SAMPLE INTERV AL	SAMPLE	RECOVERY (%)	FID/PID READING (ppm)	POTENTIO- METRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION		BORING / WELL COMPLETION (GRAPHIC DEPICTION)		
0	0-4 4-8 6-12		ex .	0-0		SP SP SM	Moist, It brown Sand, sage growel SAA Moist, brown, Silby Sand Staining & 16.5' Moist, Stained, coarse San SAA, Sand Saburated W/ P	d			
25 —											

Date Samp Drilled by: Driller: Logged by: Sampler:	led:	8-19 Earth	nwor No!		M	Project I Project I Ground I Top of C North Co West Co Bench M	Surface Elevation: Coordinate: Coordinate: Coordinate: Coordinate: Completion Well Stabilization	BORING LOG NUMBER Project No. Borehole Diameter: 2.5 Casing Diameter: Well Materials: Surface Completion: Boring Method: DP		
D EPTH (ft)	SAMPLE INTERV AL	SAMPLE	RECOVERY (%)	FID/PID READING (ppm)	POTENTIO- METRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION		BORING / WELL COMPLETION (GRAPHIC DEPICTION)	
0	0-4 4-8 6-12-16		EX.	1.0 0.4 0.0 1680	₹ 14°.	SP SP SM	Dry White brown, Sand, Sea SAA moise brown, med sand, little moise brown, Silty Sand, Staining @ 13.5' SAA Staining / slight adar moise brown clay cohesive, p	Şirb		
25 —					-					

Date Sampled: 8-18 Drilled by: Earshwar Driller: Logged by: Sampler: 17	Client: MPC Project Name: BC5 Project Location: BIDD MFIELD Project Manager: SHYDE Ground Surface Elevation: Top of Casing Elevation: North Coordinate: West Coordinate: West Coordinate: Bench Mark Elevation: SAT Completion At Well Stabilization	BORING LOG NUMBER Project No. Borehole Diameter: Casing Diameter: Well Materials: Surface Completion: Boring Method:		
DEPTII (f) SAMPLE INTERVAL SAMPLE D RECOVERY (%) FID.PID FED.PID FED.P	JOBAY GEOLOGIC DESCRIPTION	BORING / WELL COMPLETION (GRAPHIC DEPICTION)		
0	SP Dry, white/brown, coarse saw few grave 1 SP SAA SM Moise, dark brown, Silby Sand SM moise, down brown silby sand Southing D 131 libere clay SP wee coarse sand spaining SC Brown clay consider place			

口				. U	М	Client: MPC Project Name: BC 5 Project Location: Bloomfield Project Manager: 5 Hydl			BORING LOG NUMBER Project No.
Date Samp Drilled by: Driller: Logged by Sampler:	oled:	Ears	g hwai rvgl/	^* <u>/</u>		Top of North C West C Bench l	Borehole Diameter: Copy of Casing Elevation: West Coordinate: Sench Mark Elevation: At Completion At Well Stabilization Borehole Diameter: Casing Diameter: Well Materials: Surface Completion: Boring Method:		
DEPTH (ft)	SAMPLE INTERV AL	SAMPLE	RECOVERY (%)	FID/PID READING (ppm)	POTENTIO- METRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION		BORING / WELL COMPLETION (GRAPHIC DEPICTION)
0									
5	0-4			6.0		59	pry, white brown, sand, four	gravel	
	4-8			0.0		SP	SAA	,	
10 —	8-12			0.3		57	moist, dark brown Silby San		
15 —				0.7		SP	SAA		
20	K-20	636				SP	wet course Sand, brown		
25									



APPENDIX B

Laboratory Analytical Reports



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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

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 ORG	SANICS					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

Page 1 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- 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

Page 2 of 41

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 ORGA	ANICS					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.
- 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

Page 3 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				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.
- 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

Page 4 of 41

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 ORG	ANICS					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.
- 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

Page 5 of 41

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 ORGA	ANICS					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.
- 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

Page 6 of 41

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 ORGA	ANICS					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.
- 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

Page 7 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				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.
- 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

Page 8 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				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.
- 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

Page 9 of 41

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 Q)ual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- 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

Page 10 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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.
- 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

Page 11 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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.
- 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

Page 12 of 41

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 ORG	ANICS					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.
- 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

Page 13 of 41

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 Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				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.
- 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

Page 14 of 41

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 OR	GANICS					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

Page 15 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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.
- 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

Page 16 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				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.
- 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

Page 17 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				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.
- 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

Page 18 of 41

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 ORG	ANICS					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.
- 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

Page 19 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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.
- 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

Page 20 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				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.
- 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

Page 21 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				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.
- 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

Page 22 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	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.
- 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

Page 23 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				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.
- 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

Page 24 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				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.
- 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

Page 25 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	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.
- 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

Page 26 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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.
- 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

Page 27 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	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.
- 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

Page 28 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	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.
- 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

Page 29 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				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.
- 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

Page 30 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				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.
- 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

Page 31 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	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.
- 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

Page 32 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				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.
- 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

Page 33 of 41

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 Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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.
- 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

Page 34 of 41

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202944

09-Mar-22

Client: WSP **Project: BCS**

Sample ID: 2202944-006AMS	SampT	ype: MS	3	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: BH03 16-20	Batch	ID: 65 7	710	F	RunNo: 8	5993				
Prep Date: 2/21/2022	Analysis D	ate: 2/ 2	22/2022	9	SeqNo: 3	030862	Units: mg/K	(g		
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: 2202944-006AMSI	SampT	ype: MS	SD D	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: BH03 16-20	Batch	ID: 657	710	F	RunNo: 8	5993				
Prep Date: 2/21/2022	Analysis D	ate: 2/ 2	22/2022	8	SeqNo: 3	030863	Units: mg/K	(g		

Client ID: BH03 16-20	Batch	ID: 65 7	710	F	RunNo: 8	5993				
Prep Date: 2/21/2022	Analysis D	ate: 2/ 2	22/2022	S	SeqNo: 30	030863	Units: mg/K	(g		
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	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	ID: 65	710	F	RunNo: 8	5993				
Prep Date: 2/21/2022	Analysis D	ate: 2/	22/2022	8	SeqNo: 3	030890	Units: mg/K	(g		
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	TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: PBS	710	F	RunNo: 8	5993						
Prep Date: 2/21/2022	Analysis D	ate: 2/	22/2022	5	SeqNo: 3	030893	Units: mg/K	(g		
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	SampT	ype: M \$	3	Test	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: BH13 16-20	Batch	ID: 65	707	R	RunNo: 8	6029				
Prep Date: 2/22/2022	Analysis D	ate: 2/	24/2022	S	SeqNo: 3	031992	Units: mg/k	ζg		
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
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 35 of 41

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202944

09-Mar-22

Client: WSP **Project: BCS**

Sample ID: 2202944-026AM	SD SampT	SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH13 16-20	Batch	n ID: 65 7	707	F	RunNo: 80	6029				
Prep Date: 2/22/2022	Analysis D	ate: 2/	24/2022	8	SeqNo: 30	031993	Units: mg/k	(g		
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	
O DNOD	4.7		4.921		96.1	51.1	141	0	0	
Surr: DNOP										
Sample ID: LCS-65705		ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
	SampT	ype: LC			tCode: El		8015M/D: Did	esel Range	e Organics	
Sample ID: LCS-65705	SampT	n ID: 65 7	705	F		6029	8015M/D: Did	J	e Organics	
Sample ID: LCS-65705 Client ID: LCSS	SampT Batch	n ID: 65 7	705 23/2022	F	RunNo: 80	6029		J	e Organics RPDLimit	Qual
Sample ID: LCS-65705 Client ID: LCSS Prep Date: 2/22/2022	SampT Batch Analysis D	n ID: 65 7 Pate: 2/ 3	705 23/2022	F	RunNo: 8 6 SeqNo: 3 6	6029 032025	Units: mg/k	(g	J	Qual

Sample ID: LCS-65707	SampT	ype: LC	S	Test	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	n ID: 65 7	707	R	lunNo: 8	6029				
Prep Date: 2/22/2022	Analysis D	ate: 2/	23/2022	S	SeqNo: 3	032026	Units: mg/K	(g		
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	SampT	ype: ME	BLK	Test	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	ID: 65 7	705	R	RunNo: 80	6029				
Prep Date: 2/22/2022	Analysis D	ate: 2/ 2	23/2022	S	SeqNo: 30	032028	Units: mg/K	g		
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	SampT	ype: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch	n ID: 65	707	F	RunNo: 8	6029				
Prep Date: 2/22/2022	Analysis D	ate: 2/	23/2022	8	SeqNo: 3	032029	Units: mg/k	(g		
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
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 36 of 41

OC 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

Analysis Date: 2/23/2022 SeqNo: 3029901 Prep Date: 2/21/2022 Units: mg/Kg

SPK value SPK Ref Val **RPDLimit** Analyte Result PQL %REC LowLimit HighLimit %RPD Qual

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1100 1000 111 70 130

Sample ID: Ics-65697 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 65697 RunNo: 85980

Prep Date: 2/21/2022 Units: mg/Kg Analysis Date: 2/22/2022 SeqNo: 3029902

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 26 5.0 25.00 O 102 78.6 131 Surr: BFB 1200 1000 120 70 130

Sample ID: Ics-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

%REC SPK value SPK Ref Val %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit 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

SPK value SPK Ref Val %REC %RPD **RPDLimit** Result PQL LowLimit HighLimit Qual Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1100 1000 108 70

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

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 24 108.1 70 S 210 23.90 409 130 S Surr: BFB 25000 4780 521 70 130

TestCode: EPA Method 8015D: Gasoline Range Sample ID: 2202944-006amsd SampType: MSD

Client ID: BH03 16-20 Batch ID: 65697 RunNo: 86042

Prep Date: Units: mg/Kg 2/21/2022 Analysis Date: 2/23/2022 SeqNo: 3031469

PQL SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result LowLimit HighLimit Qual

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank

130

- Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 37 of 41

OC 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

BH03 16-20 Client ID: Batch ID: 65697 RunNo: 86042

Prep Date: 2/21/2022 Analysis Date: 2/23/2022 SeqNo: 3031469 Units: mq/Kq

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

Gasoline Range Organics (GRO) 27 5.0 25.00 0 106 78.6 131 Surr: BFB 1200 1000 123 70 130

TestCode: EPA Method 8015D: Gasoline Range Sample ID: 2202944-026ams SampType: MS 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 SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Result PQL LowLimit Qual

Gasoline Range Organics (GRO) 26 4.8 0 109 70 23.92 130 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 Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 23 0 4.8 23.88 96.0 70 13.3 20 130 Surr: BFB 1200 955.1 125 70 130 0 0

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 38 of 41

OC 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: mq/Kq SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Benzene ND 0.025 Toluene ND 0.050 0.050 Ethylbenzene ND 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 Analysis Date: 2/22/2022 SeqNo: 3029948 Prep Date: 2/21/2022 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 1.000 0.88 0.025 n 88.4 80 120 Benzene Toluene 0.95 0.050 1.000 0 95.2 80 120 0 95.9 80 0.96 0.050 1.000 120 Ethylbenzene 0 96.2 Xylenes, Total 2.9 0.10 3.000 80 120 Surr: 4-Bromofluorobenzene 1.0 1.000 104 70 130

Sample ID: Ics-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 0.025 91.0 80 0.91 1.000 120 Benzene O 0.94 0.050 1.000 0 93.5 80 120 Toluene 0.050 0 94.5 80 120 Ethylbenzene 0.94 1.000 Xylenes, Total 2.8 0.10 3.000 0 94.8 80 120 Surr: 4-Bromofluorobenzene 93.7 0.94 1.000 70 130

TestCode: EPA Method 8021B: Volatiles Sample ID: mb-65695 SampType: MBLK Client ID: PBS Batch ID: 65695 RunNo: 86012 Prep Date: 2/21/2022 Analysis Date: 2/22/2022 SeqNo: 3030396 Units: mg/Kg SPK value SPK Ref Val %REC LowLimit **RPDLimit** Analyte Result PQL HighLimit %RPD Qual ND 0.025 Benzene 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

Page 39 of 41

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202944 09-Mar-22**

Client: WSP
Project: BCS

Sample ID: 2202944-007ams	•	ype: MS					8021B: Volat	iles		
Client ID: BH04 12-16	Batch	n ID: 65 0	697	RunNo: 86042						
Prep Date: 2/21/2022	Analysis D	ate: 2/	23/2022	S	SeqNo: 3	031515	Units: mg/K	(g		
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: 2202944-007amse	s SampT	уре: М S	SD.	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: BH04 12-16	Batch	ID: 65 0	697	F	RunNo: 8	6042				
Prep Date: 2/21/2022	Analysis D	ate: 2/	23/2022	8	SeqNo: 3	031516	Units: mg/K	(g		
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	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: 65 0	698	R	lunNo: 8	6042				
Prep Date: 2/21/2022	Analysis D	ate: 2/	23/2022	S	SeqNo: 3	031526	Units: mg/K	ίg		
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	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batcl	n ID: 65 0	698	F	RunNo: 8	6042				
Prep Date: 2/21/2022	Analysis D	Date: 2/	23/2022	9	SeqNo: 3	031527	Units: mg/K	ζg		
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

Page 40 of 41

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202944**

09-Mar-22

Client: WSP
Project: BCS

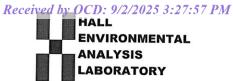
Sample ID: 2202944-027ams	SampT	уре: МS	3	TestCode: EPA Method 8021B: Volatiles										
Client ID: BH14 4-8	Batcl	n ID: 65 0	698	F	RunNo: 8	6042								
Prep Date: 2/21/2022	Analysis D	Date: 2/	23/2022	S	SeqNo: 3	031530	Units: mg/K	(g						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%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	SampT	уре: МS	SD	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: BH14 4-8	Batcl	n ID: 65 0	698	F	RunNo: 80	6042				
Prep Date: 2/21/2022	Analysis D	oate: 2/	23/2022	S	SeqNo: 30	031531	Units: mg/K	(g		
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
- 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

Page 41 of 41



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	flans g	
Completed By: Kasandra Payan 2.	/19/2022 9:00:10 AM	Haneny.	
Reviewed By: 52 24/2/2/2	7	17	
5ch 2/2/2	27		
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 pro		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 🗹	
Were any sample containers received broken?	Yes	No 🗸	
	100	# of preserved bottles checked	
1. Does paperwork match bottle labels?	Yes 🗸	No for pH:	_
(Note discrepancies on chain of custody) 2. Are matrices correctly identified on Chain of Cust	online V	(<2 or >12 unless note No Adjusted?	d)
3. Is it clear what analyses were requested?	ody? Yes ✓ Yes ✓	No Adjusted?	
4. Were all holding times able to be met?	Yes 🗸	No ☐ Checked by: ¬ 1 2 2	22
(If no, notify customer for authorization.)	.50		
pecial Handling (if applicable)			
5. Was client notified of all discrepancies with this of	order? Yes	No □ NA 🗸	
Person Notified:	Date:		
By Whom:		Phone Fax In Person	
Regarding:			
Client Instructions:			
6. Additional remarks:			
7. Cooler Information			
Cooler No Temp °C Condition Seal In	tact Seal No Seal Date	Signed By	
1 2.6 Good	- Courbato		

			D: 9/.	2/20	0253	27:	:57 PM																	Po	ige 1	[06 oj
	ANALYSIS I ABORATORY		www.nailellyllolliflellal.com 4901 Hawkins NE - Albuquerque, NM 87109		Anal	(0		7 DRS (1.4082) (1.4082) (1.4082) (1.4082) (1.4082)	GR(G)	esticio dethod y 831 3r, Net 3r, Net OA)	8081 P 8081 P PAHs b RCRA 8 CI, F, E CI, F, E	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3											<i>⇒</i> 1	Remarks:		
					00					(O.) 7.C-1.0-	HEAL No.		700	500	٥٥٨	500	900	00 T	8 00	800	010	110	210	Time	5/27 ネ! Date Time	119/72 8:20
d Time:	d 🗆 Rush	ie:	Bcs		31403968.00C	ager:	Stuare Hyde	ENIC CONVOIL		Cooler Temp(including CF): 7-7	Preservative Type	2001							77			,	→ /	Via:	Via:	Towner ?
Turn-Around	承 Standard	Project Name:	ديد	Project #:	3/1	Project Manager:	54	Sampler:	# of Coolers:	Cooler Temp	Container Type and #	1 402	_									,	>	Received by:	Received by:	M
Chain-of-Custody Record			200 912	10218		Hyde @ WSP, com	, ☐ Level 4 (Full Validation)	ance			Sample Name	BHO! 8-12	BHO1 16-36	RHO2 17-16	BHOZ 16-76	BHO3 12-16	BHO3 16-70	B404 12-16	BHOY 16-70	BHOS 12-16	BH05 16-36	BHOG 12-16	BHOG 16-30	The same		N NOUL
-of-Cust	WSP		S: 649 E	Muran. O CC		Stywt, Hy		☐ Az Compliance ☐ Other			Matrix Sar	5011 B	B	R			B	8.			8	81) D	Relinquished by:	Relinquished by:	Chillis III
Shain			Mailing Address:	7111	0.00	email or Fax#:	QA/QC Package:	Accreditation:	EDD (Type)		Time	9:15	9:35	9:40	9:50	10:00	lo:to	10:30	10:35	10:50	11:00	11:15	11:36	Time:		1757
	Client:		Mailing		Phone #:	email c	QA/QC	Accred	□ EDD (Ty		Date	2-17	-									_	_	Date: 2// 1/1.	Date:	3/18/22

			D: 9 /.	2/20	253	27.	:57 PM																			Pag	e 10	7 of	14
	IA C																												port.
	MEN RAJ	5	109																		3								alvtical re
	HALL ENVIRONMENTAL ANALYSTS LABORATORY	www hallenvironmental com	Albuquerane. NM 87109	505-345-4107	est	(11	nəsdAVi	resen	ıд)	ш	olifo	O lstoT																	on the and
	I R	t to o	renta	505-3	Request		1.20.00					S) 0728																	notated
			andno.	Fax								V) 09Z8	_																clearly
	Щ <u>ў</u>				Anal	⊅C	PO ₄ , S	NO ₂ ,	-			CI' E' B	-							4				1.					a will be
	HALL	d www	s NE	-397		-	SMIS	1/78.				PAHs b																	ted dat
	I	3	awkin	505-345-3975								EDB (M																	-contrac
			4901 Hawkins NE	al. 509			bcB,²					9 F808													ļ 				uny sub-
			49	Ţeļ.								08:H9T	>	-					-					≥١	Remarks:				bility. A
						(-	1 <u>508)</u> s.	AMT	/:	38.		KEZY	×				_				_	_		>1	Ren			0	is possi
											(S.) 9-6=	HEAL No.	613	hio	510	910	L10	වල	610	020	120	270	023	02d	Time	(12) 12/	Tim,	19/12/8/2	ves as notice of th
					000		de	lioi/	8 □		70-1-	I	٥	0		U									Date	2/18	Date	1/2	This ser
Time:	□ Rush_	ä	865		31403968.	ger:	Stucut Hyde	Eric corroll		1	0	Preservative Type	1000										,	À)	Via:	Want	Via:	Lower Pu	credited laboratories.
Turn-Around Time:	 以 Standard	Project Name:		Project #:	314	Project Manag	St	ı.		# of Coolers:	Cooler Temp(including CF):	Container Type and #												7	Received by:	Jan J	Received by:		ontracted to other ac
Record			d AVE.	10518		Stuart. Hyde & wsp. com	Level 4 (Full Validation)					lame	2-17	16-30	12-16	16-20	8-13	16-30	8-4	16-30	13-16	16-30	4-8	16-20	١	2	-	7	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			8 E. 2nd	00, 00.		t. hyde @	☐ Level 4 (☐ Az Compliance		5		Sample Name	BHOT	BHO7	BHOS	BHOS	BHO7	Вноя	BHIC	BHIO	8411	BH11	BH12	BHIA	ed by:	are.		of War	mitted to Hall Env
-of-Cl	WSP		S: 848	Durang		Styan		□ Az Cc	□ Other			Matrix	5011			Ter Saattaal Andreas		Mercing Salphings					>		Relinquished by:	Ball	Relinquished by:	- tollo	samples sub
hain			Mailing Address:	0		email or Fax#:	QA/QC Package: □ Standard	itation:	AC	EDD (Type)		Time	04:11	11:50	12:45	13:00	13:10	13:30	13:30	13:40	13:50	14:05	14:15	14:30	Time:	127	Time:	1757	If necessary,
J	Client:		Mailing		Phone #:	email c	αA/αc □ Star	Accreditation:	□ NELAC			Date	2-17	_										\Rightarrow	Date:	2-18	Date:	12/81/20	

		\succ			023	3:27	7:57 PM																		Pa	ge 108	
	HALL ENVIRONMENT	ANALYSIS LABORATOR	www.hallenvironmental.com	nbnaix	Analysis Reminest	\psi \psi \(\lambda \)		7 S80 (1. 30\728 7 '20\	08/8 08/8 140 N	GR des des des des des des des	15D(etho y 83 Met r, N r, N	9081 P6 9081 P6 9081 P6 9081 P6 9081 P6 9081 P6 9081 P6 9081 P6	3 3 3 1 1 1 1	1											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 renort
					.000		Hyde	CONTOIL	oN □		7-6-1=2. 6 (°C)	HEAL No.	025	026	720	028	620	050	031	025	033) 55 O	2/19/22 035	l٢		1 9	2) (19/12 8 20). This serves as notice of this pos
ld Time:	rd 🗆 Rush		BCS		3/403968.000	nager:	3/t	EVIC CO	□ Yes	<u> </u>	2	Preservative Type	Cool	-								≻ 1	KPG 2		Va:		Condition (1)
Turn-Around Time:	_	Project Name:		Project #:	W	n Project Mar		Sampler:	On Ice:	# of Coolers:	Cooler Temp(including CF):	Container Type and #	1 402	_								>1			Received by:	Received by:	contracted to other a
Chain-of-Custody Record	WSP		848 E. 2nd AVE	DUNOMO CO. 81301		Stuart. hydle & W.S.D. Com Project Manager:	, vel 4 (F		□ Other			trix Sample Name	Soil BH13 12-16	1 8413 16-20	BH14 4-8	BH14 16-30	BH15 0-4	BH15 16-20	BHIE 17-16	BH16 16:20	0"8416 BHIT 8-12	1 BHIT 16-20			Steel Control of the	Relipquished by:	es submitted to Hall Environmental may be serbo
Chain-o	Client:		Mailing Address:	Du	Phone #:	email or Fax#:	QA/QC Package:	:uo		□ EDD (Type)		Date Time Matrix	2-18 9:36 50	01:40	9:50	10:00	97:01	00:01	10:35	10:40	10:50	11:00			Cigil 3	Date: Time: Relin	If necessary, sample



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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

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.
- 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

Page 1 of 33

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.
- 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

Page 2 of 33

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.
- 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

Page 3 of 33

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.
- 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

Page 4 of 33

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.
- 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

Page 5 of 33

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.
- 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

Page 6 of 33

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.
- 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

Page 7 of 33

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.
- 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

Page 8 of 33

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.
- 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

Page 9 of 33

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.
- 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

Page 10 of 33

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

Page 11 of 33

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.
- 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

Page 12 of 33

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.
- 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

Page 13 of 33

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.
- 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

Page 14 of 33

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.
- 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

Page 15 of 33

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.
- 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

Page 16 of 33

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

Page 17 of 33

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

Page 18 of 33

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.
- 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

Page 19 of 33

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.
- 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

Page 20 of 33

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

Page 21 of 33

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.
- 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

Page 22 of 33

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.
- 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

Page 23 of 33

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.
- 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

Page 24 of 33

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 ORG	ANICS				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.
- 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

Page 25 of 33

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 OR	GANICS				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.
- 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

Page 26 of 33

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 ORG	ANICS				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.
- 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

Page 27 of 33

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 Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				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.
- 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

Page 28 of 33

Hall Environmental Analysis Laboratory, Inc.

Result

33

3.5

PQL

15

2208B99 13-Sep-22

WO#:

Client: ENSOLUM

Project: BCS

Sample ID: LCS-69678	SampType: LCS		Test	Code: EP	A Method	8015M/D: Dies	sel Range	Organics	
Client ID: LCSS	Batch ID: 6967	8	R	unNo: 90	486				
Prep Date: 8/22/2022	Analysis Date: 8/23	/2022	S	eqNo: 32	31312	Units: mg/Kg	9		
Analyte	Result PQL S	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: MBL l	K	Test	Code: EP	A Method	8015M/D: Dies	sel Range	Organics	
Client ID: PBS	Batch ID: 69678	В	R	unNo: 90	486				
Prep Date: 8/22/2022	Analysis Date: 8/23	/2022	S	eqNo: 32	31314	Units: mg/Kg	9		
Analyte	Result PQL S	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	-	Test	Code: EP	A Method	8015M/D: Dies	sel Range	Organics	
Client ID: LCSS	Batch ID: 69684	4	R	unNo: 90	576				
Prep Date: 8/23/2022	Analysis Date: 8/25	/2022	S	eqNo: 32	35705	Units: mg/Kg	9		

					-							
Sample ID: MB-69684	Samp	уре: МЕ	BLK	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batcl	n ID: 69 0	684	F	RunNo: 90	0576						
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					

0

%REC

66.8

69.4

LowLimit

64.4

21

HighLimit

127

129

%RPD

RPDLimit

Qual

SPK value SPK Ref Val

50.00

5.000

Qualifiers:

Analyte

Surr: DNOP

Diesel Range Organics (DRO)

- 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
- 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

Page 29 of 33

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208B99**

ory, Inc. 13-Sep-22

Client: ENSOLUM
Project: BCS

Sample ID: Ics-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: Ics-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	Sampi	ype. IVI B	LN	res	Code: Er	A Wethod	8015D: Gasoi	ine Range	!	
Client ID: PBS	Batch	ID: 696	661	F	RunNo: 90)508				
Prep Date: 8/22/2022	Analysis D	ate: 8/2	23/2022	5	SeqNo: 32	231993	Units: mg/K	g		
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	Sampl	ype: MS	i	les	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID: BH24@ 16-20	Batch	ID: 696	661	F	RunNo: 90	0508				
Prep Date: 8/22/2022	Analysis D	ate: 8/2	23/2022	5	SeqNo: 32	232005	Units: mg/K	g		
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	Tes	tCode: EF	PA Method	8015D: Gasoli	ine Range	!		
Client ID:	BH24@ 16-20	Batch ID:	69661	F	RunNo: 90	508					
Prep Date:	8/22/2022	Analysis Date:	8/23/2022	9	SeqNo: 32	232006	Units: mg/Kg	g			
Analyte		Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Qualifiers:

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

Page 30 of 33

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: Batch ID: 69661 BH24@ 16-20 RunNo: 90508

Prep Date: 8/22/2	2022 An	alysis Date: 1	3/23/2022	5	SeqNo: 32	232006	Units: mg/K	g			
Analyte	R	esult PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organic	s (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

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 31 of 33

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208B99** *13-Sep-22*

Client: ENSOLUM

Project: BCS

Sample ID: Ics-69642	Samp	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batcl	Batch ID: 69642			RunNo: 90464						
Prep Date: 8/19/2022	Analysis [lysis 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	Samp	Гуре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles									
Client ID: PBS	Batcl	h ID: 69 6	642	F	RunNo: 90								
Prep Date: 8/19/2022	Analysis [Date: 8/ 2	23/2022	5	SeqNo: 32	229692	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	ND	0.025		<u>, </u>		<u> </u>		<u> </u>					
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: Ics-69661	Samp1	ype: LC	S	Tes	tCode: EF	PA Method 8021B: Volatiles								
Client ID: LCSS	Batcl	n ID: 696	661	F	RunNo: 90									
Prep Date: 8/22/2022	Analysis D	Date: 8/2	23/2022	5	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	Sample ID: mb-69661 SampType: MBLK						TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch	n ID: 69 6	661	F										
Prep Date: 8/22/2022	Analysis D	Date: 8/2	23/2022	5	SeqNo: 32	232028	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

Page 32 of 33

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208B99** *13-Sep-22*

Client: ENSOLUM

Project: BCS

Sample ID: 2208b99-015ams	Samp ⁻	Туре: м S)	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH25@ 16-20	Batc	h ID: 69 6	661	F	RunNo: 90							
Prep Date: 8/22/2022	Analysis [Date: 8/ 2	23/2022	9	SeqNo: 32	232041	Units: mg/K	g				
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	0 102 75.7 126							
Surr: 4-Bromofluorobenzene	0.97		0.9775		99.4	70	130					

Sample ID: 2208b99-015amsd	I Samp⁻	Туре: М S	SD .	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH25@ 16-20	Batc	h ID: 69 6	661	F								
Prep Date: 8/22/2022	Analysis [Date: 8/ 2	23/2022	5	SeqNo: 32	232042	Units: mg/K	g				
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	3.1 0.098 2.935			0 105 75		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

Page 33 of 33



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Website: www.hallenvironmental.com Client Name: **ENSOLUM** Work Order Number: 2208B99 RcptNo: 1 Huanen & Received By: Juan Rojas 8/19/2022 6:35:00 AM Completed By: Tracy Casarrubias 8/19/2022 9:19:23 AM Reviewed By: Chain of Custody 1. Is Chain of Custody complete? No 🗌 Yes 🗸 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? No 🗸 Yes NA \square 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🗌 NA V 10. Were any sample containers received broken? Yes No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Adjusted? No 🗌 Yes 🗸 13. Is it clear what analyses were requested? Yes 🗸 No 🗌 Checked by: In Hia 14. Were all holding times able to be met? Yes 🗸 No (If no, notify customer for authorization.) 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 0.8 Good Yes

Received by OCD: 9/2/2025 7:57 PM Page 144 of 147 **ANALYSIS LABORATORY** HALL ENVIRONMENTAL f 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 4901 Hawkins NE - Albuquerque, NM 87109 Fax 505-345-4107 www.hallenvironmental.com **Analysis Request** Total Coliform (Present/Absent) (AOV-ima2) 07S8 (AOV) 09S8 NO⁵' PO⁴' SO⁴ Br, NO₃, Tel. 505-345-3975 RCRA 8 Metals 2MI20728 10 0188 yd eHA9 EDB (Method 504.1) 8081 Pesticides/8082 PCB's Remarks: PH:8015D(GRO / DRO / MRO) BTEX /-MTBE / TMB's (8021) ゝ JUNION RIGHTS 6:35 1500 (S) Time HEAL No. 2208899 22/81/8 200 7000 800 8 300 Cooler Temp(including CF): (0,6+6,2=0. 893 000 8 400 210 010 110 Date Stuar Hyde E. carron □ Rush Preservative 6001 D-Yes BCS 3 Type Turn-Around Time: Via: Project Manager: 5 day Project Name: # of Coolers: Type and # 402 Sampler: Container N Project #: Received by: Received by: On Ice: □ Level 4 (Full Validation) 16-30 Chain-of-Custody Record 81301 email or Fax#: Shvdc@ Cnsoum. com 16-20 BH21 @ 16-20 12-16 4-0 BH19 @ 16-30 16-20 12-16 BH19@ 16-20 BH20 8 8-12 777 BH18 @ 0-4 BH19 @ 4-8 Mailing Address: 776 E. 2nd Ave Sample Name May Walls BH23 @ Mara Ensolum, BH21 @ BH13 @ BHZC @ BHZZ @ BH72 @ Stuart Hyde □ Az Compliance Relinquished by: Relinquished by DUrango has □ Other Matrix 50:) 10:20 54:01 9:30 QA/QC Package: 10:30 1:3 1:40 18/2 18/9 10:00 17:55 9:40 11:50 17:46 Time 1500 ☐ EDD (Type) 11:36 Accreditation: Time: Time: □ Standard □ NELAC Phone #: 6-17 Date Date:

Received by OCD: 9/2/202 3:27:57 PM Page 145 of 147 2 043 **ANALYSIS LABORATORY** HALL ENVIRONMENTAL If necessary, samples submitted to Hall Environmental may be subcontracted to wher accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. 4901 Hawkins NE - Albuquerque, NM 87109 Fax 505-345-4107 www.hallenvironmental.com **Analysis Request** Total Coliform (Present/Absent) (AOV-ima2) 07S8 (AOV) 09S8 NO⁵' PO⁴' SO⁴ Bt, NO₃, Cl' E' Tel. 505-345-3975 RCRA 8 Metals PAHs by 8310 or 8270SIMS EDB (Method 504.1) 8081 Pesticides/8082 PCB's Remarks PH:8015D(GRO / DRO / MRO) MTBE / TMB's (8021) × ပ္ပ 100018 Shall 26.18 Time HEAL No. 22081399 023 000 20 220 010 S Cooler Temp(including cF): 6 cf6 2 = 6.2 510 021 8/18/2 9 013 015 710 Date Stuart Hyde Corroll □ Rush Preservative COOI -P-Yes Type Turn-Around Time: Project Manager: m Project Name: Standard
 Standard # of Coolers: Type and # 5 day 20 / 1 Container Project #: Sampler: Received by eceived by On Ice: □ Level 4 (Full Validation) BH25 @ 20-24 BH76 @ 16-76 @ 20-24 BH26 @ 20-24 16-20 BH25 @ 16-20 BH37 @ 4-20 20-74 Chain-of-Custody Record email or Fax#: Shyole @ Pn5 orum. com BH24 @ 16-20 BH29 @ 12-16 02-81 B BH24 @ 8-12 Sample Name Must Ward B 8 BH37 BHZ8 BH78 BH29 □ Az Compliance 776 2nd HUDE Relinquished by: Relinquished by: Ensolu m □ Other_ Time Matrix 5011 Durango Stuart Mailing Address: 13:15 13.8 QA/QC Package: 1400 1819 13 56 9:30 07:6 1415 1500 1476 150cl EDD (Type) 1430 07-11 05h1 Accreditation: Time: Time: □ Standard □ NELAC
□ EDD (Tvi Phone #: 22/8/8 Client: 8-18 6-17 8/-8 Date

eceiv S	ed by	OCI L): 9/2	/202	3 3:	77:57	/ PM														Pag	ge 146	o j 147
	HALL ENVIRONMENTAL ANAI YSTS I ARODATODA	www.hallenvironmental.com	37109		Analysis Request	¢OS	PO₄, g	/) NO ⁵ '	als O ₃ ,	3r, Net (AO)	PAHs b Cl, F, E 8260 (V 8270 (S Total Co												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.
	I (_	Hawkii	505-34							EDB (N												sub-contra
			4901	Tel.							08:H9T 9 1808				لإ						arks:		lity. Any
						(12	20 8) s .	BWT-	/ 38	ĦΜ	X∃T8	1000	_		71						Remarks:		idissod s
							4	// No.	2	(0.) 8-2-04-5	HEAL No. 2208 1899	0.85	980	537	960		72 0. -24 42				S/o/27 1.720	Date	$\mathcal{S}(1726.5)$ ies. This serves as notice of this
Time:	ر ا 🗆 Rush		5.5			ager:	ur Hyde	E. Carroll	3 -	(including CF): Od	Preservative Type	(000)	-	,	E	-					Viat		Coredited laboratorie
Turn-Around Time:	Standard ⊠ Standard	Project Name:	BC5	Project #:		Project Manager:	Stuart	Sampler: (18	Cooler Temp(including CF):	Container Type and #	20/1	_		K						Received by:	Received by:	contracted to other a
Chain-of-Custody Record	(m)	HV/6	E. 3 MAVE	CO 81301		@ ensolum.com	☐ Level 4 (Full Validation)	☐ Az Compliance			Sample Name	BH30 @13-16	B430 @ 18-20	BH31 @12-16	8H31 @ 16-20						ed by:	tuished by:	MILED W WWW. mitted to Hall Environmental may be sub
-of-C	Ensolum		7	Durango		Shyde	з.				Matrix	1:05	1	/	=)						Relinquished by:	Relinc	, samples subi
Shain	17	Stylar	Mailing Address:	Dai		or Fax#:	QA/QC Package: □ Standard	Accreditation:	□ EDD (Type)		Time	950	1000	1010	0201						Time: 1500	Date: Time:	If necessary,
	Client:		Mailin		Phone #:	email	QA/QC Packa □ Standard	Accre			Date	81-8	_	7	18			,			Date: 8/10	Date:	2/21/0

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

Action 502070

CONDITIONS

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

CONDITIONS

Crea	ated By		Condition Date
an	naxwell	Accepted for record.	9/22/2025