

Closure Report

Silverback Boyd X

Eddy County, NM

Incident No. **nAPP2304657101**

Prepared For:

Select Agua Libre Midstream, LLC

1215 Carriage Way

Oklahoma City, OK 73142

Prepared By:

BDS Enterprises

1705 E Greene St.

Carlsbad, NM 88220

August 11, 2023

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Site Information

On or about February 15, 2023, a hole developed in the lay flat line causing a release of recycled water to spray over the pasture area at this site. This resulted in approximately 12 bbls. of recycled water being released. A C-141 spill notification was submitted to the NMOCD and assigned **Incident No. NAPP2304657101** [Appendix 1](#). The Boyd X is located in Rural Eddy County, more specifically at the GPS coordinates (32.660558, -104.436255.), approximately 12 miles south of Artesia, New Mexico.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Reagan-Upton association, with 0-9 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of gravely loam from Alluvium and/or eolian deposits, Holocene to middle Pleistocene in age. The soil characterization in this site is Non to very slightly salinized. Drainage courses in this area are typically well drained [Appendix III](#).

Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 65 feet below ground surface (bgs), and the POD summary is dated 2000. Further research of the Bureau of Land Management Karst data indicates that this site is not located within a potential Karst area [Appendix III](#).

Site Assessment

On February 22, April 04, April 05, and May17, 2023 respectively, work completed by others concluded activity for the site assessment. The impacted area was mapped and soil samples retrieved. Sample Locations are shown in [Appendix II](#). The results of the assessment sampling event are presented below on Table 1. Full laboratory reports can be referenced in [Appendix V](#).

Sample	Depth (Feet)	Collection Date	Statu s	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)	
Remediation Level:				1	5	100/2,500				600/10,000	
				0	0						
S-1	0 - 0.5	2/20/2023	1	In-Situ	<0.0019 9	<0.00 398	<49.9	<49.9	<49.9	<49.9	13,100
	0.5 - 1	2/20/2023	1	In-Situ	<0.0020 0	<0.00 399	<50.0	<50.0	<50.0	<50.0	8,140
	1	4/4/2023	2	In-Situ	<0.0011 4	<0.00 227	<28.4	<28.4	<28.4	<28.4	5,700
	3	4/4/2023	2	In-Situ	<0.0011 2	<0.00 225	<28.1	<28.1	<28.1	<28.1	890
	5	4/4/2023	2	In-Situ	<0.0011 2	<0.00 225	<28.1	<28.1	<28.1	<28.1	566
	10	4/4/2023	2	In-Situ	<0.0011 6	<0.00 233	<29.1	<29.1	<29.1	<29.1	502
	15	4/4/2023	2	In-Situ	<0.0011 6	<0.00 233	<29.1	<29.1	<29.1	<29.1	493

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S-2	0 - 0.5	2/20/2023	1	In-Situ	<0.0019 9	<0.00 398	<49.9	<49.9	<49.9	<49.9	11,500
	0.5 - 1	2/20/2023	1	In-Situ	<0.0019 9	<0.00 398	<49.9	<49.9	<49.9	<49.9	2,030
	1	4/4/2023	2	In-Situ	<0.0011 6	<0.00 233	<29.1	<29.1	<29.1	<29.1	7,530
	3	4/4/2023	2	In-Situ	<0.0011 1	<0.00 222	<27.8	<27.8	<27.8	<27.8	695
	5	4/4/2023	2	In-Situ	<0.0011 1	<0.00 222	<27.8	<27.8	<27.8	<27.8	242
	10	4/4/2023	2	In-Situ	<0.0011 1	<0.00 222	<27.8	<27.8	<27.8	<27.8	417
	15	4/4/2023	2	In-Situ	<0.0011 4	<0.00 227	<28.4	<28.4	<28.4	<28.4	138
S-3	0 - 0.5	2/20/2023	1	In-Situ	<0.0020 0	<0.00 401	<50.0	<50.0	<50.0	<50.0	11,900
	0.5 - 1	2/20/2023	1	In-Situ	<0.0019 9	<0.00 398	<49.9	<49.9	<49.9	<49.9	1,470
	1	4/4/2023	2	In-Situ	<0.0010 9	<0.00 217	<27.2	<27.2	<27.2	<27.2	79.7
	3	4/4/2023	2	In-Situ	<0.0011 2	<0.00 225	<28.1	<28.1	<28.1	<28.1	3,440
	5	4/4/2023	2	In-Situ	<0.0011 1	<0.00 222	<27.8	<27.8	<27.8	<27.8	127
	10	4/4/2023	2	In-Situ	<0.0011 4	<0.00 227	<28.4	<28.4	<28.4	<28.4	795
	15	4/4/2023	2	In-Situ	<0.0011 8	<0.00 235	<29.4	<29.4	<29.4	<29.4	494
S-4	0 - 0.5	2/20/2023	1	In-Situ	<0.0019 9	<0.00 398	<50.0	<50.0	<50.0	<50.0	9,290

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Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				1	5	100/2,500				600/10,000
				0	0					0
S-4	0.5 - 1	2/20/2023	In-Situ	<0.002 01	<0.004 02	<49.9	<49.9	<49.9	<49.9	4,360
	1	4/4/2023	In-Situ	<0.001 11	<0.002 22	<27.8	<27.8	<27.8	<27.8	7,820
	3	4/4/2023	In-Situ	<0.001 10	<0.002 20	<27.5	<27.5	<27.5	<27.5	79.3
	5	4/4/2023	In-Situ	<0.001 11	<0.002 22	<27.8	<27.8	<27.8	<27.8	30.8
	10	4/4/2023	In-Situ	<0.001 12	<0.002 25	<28.1	<28.1	<28.1	<28.1	117
S-5	0 - 0.5	2/20/2023	In-Situ	<0.002 00	<0.004 01	<49.9	<49.9	<49.9	<49.9	10,300
	0.5 - 1	2/20/2023	In-Situ	<0.001 99	<0.003 98	<50.0	<50.0	<50.0	<50.0	995
	1	4/4/2023	In-Situ	<0.001 11	<0.002 22	<27.8	<27.8	<27.8	<27.8	7,850
	3	4/4/2023	In-Situ	<0.001 11	<0.002 22	<27.8	<27.8	<27.8	<27.8	70.3
	5	4/4/2023	In-Situ	<0.001 11	<0.002 22	<27.8	<27.8	<27.8	<27.8	42.8
S-6	0 - 0.5	2/20/2023	In-Situ	<0.002 01	<0.004 02	<50.0	<50.0	<50.0	<50.0	13,400
	0.5 - 1	2/20/2023	In-Situ	**	**	<49.9	<49.9	<49.9	<49.9	4,340
	1	4/4/2023	In-Situ	<0.001 16	<0.002 33	<29.1	<29.1	<29.1	<29.1	13,300
	3	4/4/2023	In-Situ	<0.001 12	<0.002 25	<28.1	<28.1	<28.1	<28.1	347
	5	4/4/2023	In-Situ	<0.001 10	<0.002 20	<27.5	<27.5	<27.5	<27.5	93.7
S-7	0 - 0.5	2/20/2023	In-Situ	<0.001 18	<0.002 35	<29.4	<29.4	<29.4	<29.4	63.3
	0.5 - 1	2/20/2023	In-Situ	**	**	<49.9	<49.9	<49.9	<49.9	12,000
	1	4/4/2023	In-Situ	<0.002 00	<0.003 99	<49.9	<49.9	<49.9	<49.9	1,400
	1	4/4/2023	In-Situ	<0.001 12	<0.002 25	<28.1	<28.1	<28.1	<28.1	17,300
	3	4/4/2023	In-Situ	<0.001 11	<0.002 22	<27.8	<27.8	<27.8	<27.8	2,240
S-7	5	4/4/2023	In-Situ	<0.001 11	<0.002 22	<27.8	<27.8	<27.8	<27.8	31.6

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Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)	
Remediation Level:				1	5	100/2,500				600/10,000	
				0	0						
S-7	10	4/4/2023	2	In-Situ	<0.0012 0	<0.002 41	<30.1	<30.1	<30.1	<30.1	18.1
S-8	0 - 0.5	2/20/2023	1	In-Situ	<0.0019 9	<0.003 98	<50.0	<50.0	<50.0	<50.0	10,900
	0.5 - 1	2/20/2023	1	In-Situ	<0.0019 9	<0.003 98	<49.9	<49.9	<49.9	<49.9	10,200
	1	4/4/2023	2	In-Situ	<0.0011 9	<0.002 38	<29.8	<29.8	<29.8	<29.8	13,800
	3	4/4/2023	2	In-Situ	<0.0011 6	<0.002 33	<29.1	<29.1	<29.1	<29.1	5,010
	5	4/4/2023	2	In-Situ	<0.0011 1	<0.002 22	<27.8	<27.8	<27.8	<27.8	891
	10	4/4/2023	2	In-Situ	<0.0011 8	<0.002 35	<29.4	<29.4	<29.4	<29.4	138
S-9	0 - 0.5	2/20/2023	1	In-Situ	<0.0019 9	<0.003 98	<49.9	<49.9	<49.9	<49.9	8,310
	0.5 - 1	2/20/2023	1	In-Situ	<0.0020 0	<0.003 99	<50.0	<50.0	<50.0	<50.0	647
	1	4/4/2023	2	In-Situ	<0.0011 4	<0.002 27	<28.4	<28.4	<28.4	<28.4	9,690
	3	4/4/2023	2	In-Situ	<0.0010 9	<0.002 17	<27.2	<27.2	<27.2	<27.2	336
	5	4/4/2023	2	In-Situ	<0.0011 1	<0.002 22	<27.8	<27.8	<27.8	<27.8	337
	10	4/4/2023	2	In-Situ	<0.0011 8	<0.002 35	<29.4	<29.4	<29.4	<29.4	3,020
	15	5/17/2023	2	In-Situ	<0.0011 6	<0.002 33	<29.1	<29.1	<29.1	<29.1	3.43
	20	5/17/2023	2	In-Situ	<0.0011 8	<0.002 35	<29.4	<29.4	<29.4	<29.4	<1.18
S-10	0 - 0.5	2/20/2023	1	In-Situ	<0.0019 9	<0.003 98	<50.0	<50.0	<50.0	<50.0	11,000
	0.5 - 1	2/20/2023	1	In-Situ	<0.0019 9	<0.003 98	<49.9	<49.9	<49.9	<49.9	957
	1	4/4/2023	2	In-Situ	<0.0011 9	<0.002 38	<29.8	<29.8	<29.8	<29.8	3,610
	3	4/4/2023	2	In-Situ	<0.0011 1	<0.002 22	<27.8	<27.8	<27.8	<27.8	711
	5	4/4/2023	2	In-Situ	<0.0011 0	<0.002 20	<27.5	<27.5	<27.5	<27.5	179
	10	4/4/2023	2	In-Situ	<0.0011 9	<0.002 38	<29.8	<29.8	<29.8	<29.8	84.0

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Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				1	5	100/2,500				600/10,000
				0	0					
S-11	0 - 0.5	2/20/2023	In-Situ	<0.002 00	<0.004 00	<49.9	<49.9	<49.9	<49.9	12,000
	0.5 - 1	2/20/2023	In-Situ	<0.002 00	<0.004 01	<50.0	<50.0	<50.0	<50.0	5,420
	1	4/4/2023	In-Situ	<0.001 12	<0.002 25	<28.1	<28.1	<28.1	<28.1	1,010
	3	4/4/2023	In-Situ	<0.001 09	<0.002 17	<27.2	<27.2	<27.2	<27.2	52.4
	5	4/4/2023	In-Situ	<0.001 11	<0.002 22	<27.8	<27.8	<27.8	<27.8	117
	10	4/4/2023	In-Situ	<0.001 12	<0.002 25	<28.1	<28.1	<28.1	<28.1	11.2
S-12	0 - 0.5	2/20/2023	In-Situ	<0.001 99	<0.003 98	<49.8	<49.8	<49.8	<49.8	12,200
	0.5 - 1	2/20/2023	In-Situ	<0.002 00	<0.003 99	<50.0	<50.0	<50.0	<50.0	4,350
	1	4/5/2023	In-Situ	<0.001 18	<0.002 35	<29.4	<29.4	<29.4	<29.4	1,810
	3	4/5/2023	In-Situ	<0.001 10	<0.002 20	<27.5	<27.5	<27.5	<27.5	328
	5	4/5/2023	In-Situ	<0.001 10	<0.002 20	<27.5	<27.5	<27.5	<27.5	334
	10	4/5/2023	In-Situ	<0.001 12	<0.002 25	<28.1	<28.1	<28.1	<28.1	1,690
	15	4/5/2023	In-Situ	<0.001 22	<0.002 44	<30.5	<30.5	<30.5	<30.5	3,650
	20	5/17/2023	In-Situ	<0.001 20	<0.002 41	<30.1	<30.1	<30.1	<30.1	<1.20
S-13	0 - 0.5	2/20/2023	In-Situ	<0.002 02	<0.004 03	<50.1	<50.1	<50.1	<50.1	9,360
	0.5 - 1	2/20/2023	In-Situ	<0.001 99	<0.003 98	<50.1	<50.1	<50.1	<50.1	1,680
	1	4/5/2023	In-Situ	<0.001 14	<0.002 27	<28.4	<28.4	<28.4	<28.4	997
	3	4/5/2023	In-Situ	<0.001 10	<0.002 20	<27.5	<27.5	<27.5	<27.5	424
	5	4/5/2023	In-Situ	<0.001 12	<0.002 25	<28.1	<28.1	<28.1	<28.1	159
	10	4/5/2023	In-Situ	<0.001 10	<0.002 20	<27.5	<27.5	<27.5	<27.5	28.2

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Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				1 0	5 0	100/2,500				600/10,000
S-14	0 - 0.5	2/20/2023	In-Situ	<0.0019 9	<0.00 398	<49.9	<49.9	<49.9	<49.9	10,600
	0.5 - 1	2/20/2023	In-Situ	<0.0020 2	<0.00 403	<49.8	<49.8	<49.8	<49.8	2,050
	1	4/5/2023	In-Situ	<0.0011 2	<0.00 225	<28.1	<28.1	<28.1	<28.1	4,960
	3	4/5/2023	In-Situ	<0.0010 9	<0.00 217	<27.2	<27.2	<27.2	<27.2	79.5
	5	4/5/2023	In-Situ	<0.0011 1	<0.00 222	<27.8	<27.8	<27.8	<27.8	55.8
	10	4/5/2023	In-Situ	<0.0011 4	<0.00 227	<28.4	<28.4	<28.4	<28.4	12.1
	15	4/5/2023	In-Situ	<0.0011 8	<0.00 235	<29.4	<29.4	<29.4	<29.4	36.7
S-15	0 - 0.5	2/20/2023	In-Situ	<0.0020 1	<0.00 402	<49.8	<49.8	<49.8	<49.8	3,220
	0.5 - 1	2/20/2023	In-Situ	<0.0020 0	<0.00 401	<50.0	<50.0	<50.0	<50.0	255
S-16	0 - 0.5	2/20/2023	In-Situ	<0.0019 9	<0.00 398	<49.9	<49.9	<49.9	<49.9	715
	0.5 - 1	2/20/2023	In-Situ	<0.0019 8	<0.00 397	<49.9	<49.9	<49.9	<49.9	227
North	0 - 0.5	2/20/2023	In-Situ	<0.0020 0	<0.00 399	<49.9	<49.9	<49.9	<49.9	53.4
	0.5 - 1	2/20/2023	In-Situ	<0.0020 0	<0.00 399	<49.9	<49.9	<49.9	<49.9	12.9
South	0 - 0.5	2/20/2023	In-Situ	<0.0020 0	<0.00 399	<49.9	<49.9	<49.9	<49.9	8.23
	0.5 - 1	2/20/2023	In-Situ	<0.0019 8	<0.00 396	<49.9	<49.9	<49.9	<49.9	7.95
East	0 - 0.5	2/20/2023	In-Situ	<0.0019 9	<0.00 398	<49.9	<49.9	<49.9	<49.9	23.5
	0.5 - 1	2/20/2023	In-Situ	<0.0019 9	<0.00 398	<50.0	<50.0	<50.0	<50.0	29.7
West	0 - 0.5	2/20/2023	In-Situ	<0.001 99	<0.00 398	<50.0	<50.0	<50.0	<50.0	22.7
	0.5 - 1	2/20/2023	In-Situ	<0.002 01	<0.00 402	<49.9	<49.9	<49.9	<49.9	11.1

Results highlighted in Yellow indicate NMOCD Table 1 exceedances.

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On July 03, 2023 Select Energy contracted BDS Enterprises to remediate the impacted area on the Silverback Boyd X Right-of-Way. based on the laboratory results from the initial site assessment and upon client authorization, BDS Enterprises personnel and equipment were mobilized to the site in order to complete remediation of the impacted area. Excavation activity commenced excavating the impacted area from depths of 2 ft. bgs. to 4.5 ft. bgs. Field titration data was utilized to guide the excavation. The spill footprint encompassed Right-of-way as well as some pasture area.

On July 10, 2023, BDS emailed to the NMOCD a confirmation sampling notification that is referenced in [Appendix VI](#).

On July 12, 2023 BDS personnel returned to the site in order to collect confirmation soil samples from bottom and sidewalls of excavated area. Soil samples were taken from 200 sq. ft. area on a 5-point composite basis. All soil samples were properly contained, preserved, and transported to Hall Laboratories for confirmation. The samples were analyzed for Chlorides (EPA Method 300), TPH (EPA Method 8015M), and BTEX (EPA Method 8021 B). The results are recapped in the following Table II. The full laboratory report is referenced in [Appendix V](#).

Table II

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	GRO + DRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S1A	7/12/2023	2'	4.7	ND	13	ND	ND	13	92
S2A	7/12/2023	2'	5.2	ND	15	ND	ND	15	84
S3A	7/12/2023	2'	6.2	ND	17	ND	ND	17	84
S4A	7/12/2023	2'	7.6	ND	22	ND	ND	22	92
S5A	7/12/2023	2'	7.3	ND	21	11	ND	32	99
S6A	7/12/2023	2'	6.4	ND	18	ND	ND	18	89
S7A	7/12/2023	2'	4.4	ND	13	ND	ND	13	79
S8A	7/12/2023	2'	8.3	ND	24	ND	ND	24	100
S9A	7/12/2023	2'	8.6	ND	24	ND	ND	24	98
S10A	7/12/2023	2'	7.1	ND	21	ND	ND	21	87
S11A	7/12/2023	2'	5.5	ND	16	ND	ND	16	88
S12A	7/12/2023	2'	8.2	ND	23	16	ND	39	100
S13A	7/12/2023	2'	7.3	ND	21	15	ND	36	94
S14	7/12/2023	2'	5.2	ND	15	11	ND	26	93
S15	7/12/2023	2'	4.5	ND	13	11	ND	24	82
S16	7/12/2023	2'	17	ND	41	21	ND	62	120
S17	7/12/2023	2'	16	ND	40	27	ND	67	120
S18	7/12/2023	2'	9.8	ND	27	17	ND	44	120

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Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	GRO + DRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S19	7/12/2023	2'	9.8	ND	26	19	ND	45	110
S20	7/12/2023	2'	13	ND	35	19	ND	54	120
S21	7/12/2023	2'	10	ND	29	16	ND	45	120
S22	7/12/2023	2'	10	ND	28	13	ND	41	120
S23	7/12/2023	2'	9.5	ND	26	15	ND	41	100
S24	7/12/2023	2'	16	ND	38	23	ND	61	130
S25A	7/12/2023	2'	11	ND	31	15	ND	46	120
S26A	7/12/2023	2'	13	ND	34	14	ND	48	120
S27A	7/12/2023	2'	9.4	ND	26	16	ND	42	120
S28A	7/12/2023	2'	12	ND	32	13	ND	45	120
S29A	7/12/2023	2'	12	ND	31	16	ND	47	120
S30A	7/12/2023	2'	9.8	ND	27	14	ND	41	110
S31A	7/12/2023	2'	8	ND	22	15	ND	37	100
S32A	7/12/2023	2'	17	ND	38	17	ND	55	120
S33A	7/12/2023	2'	17	ND	38	21	ND	59	120
S34A	7/12/2023	2'	17	ND	38	17	ND	55	120
S35A	7/12/2023	2'	12	ND	27	9.9	ND	36.9	110
S36A	7/12/2023	2'	19	ND	44	22	ND	66	120
S37A	7/12/2023	2'	5.3	ND	13	9.9	ND	22.9	81
S38A	7/12/2023	2'	6.2	ND	15	9	ND	24	79
S39A	7/12/2023	2'	5.1	ND	14	11	ND	25	89
S40A	7/12/2023	2'	5.5	ND	14	9.7	ND	23.7	88
S41A	7/12/2023	2'	4	ND	11	ND	ND	11	85
S42A	7/12/2023	2'	5.3	ND	12	ND	ND	12	73
S43A	7/12/2023	2'	4.9	ND	11	ND	ND	11	80
S44A	7/12/2023	2'	3.9	ND	9.8	ND	ND	9.8	87
S45A	7/12/2023	2'	6.4	ND	14	ND	ND	14	72
S46A	7/12/2023	2'	4.5	ND	11	ND	ND	11	85
S47A	7/12/2023	2'	6.5	ND	15	9	ND	24	73
S48A	7/12/2023	2'	4.4	ND	10	ND	ND	10	81
S49A	7/12/2023	2'	2.6	ND	6.3	ND	ND	6.3	82
S50A	7/12/2023	2'	1.3	ND	ND	ND	ND	0	82
S51A	7/12/2023	2'	3.5	ND	8	ND	ND	8	81
S52A	7/12/2023	2'	0.73	ND	ND	ND	ND	0	84
S53A	7/12/2023	2'	0.79	ND	ND	ND	ND	0	87

Select Energy-Responsible
August 11, 2023

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	GRO + DRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S54A	7/12/2023	2'	0.76	ND	ND	ND	ND	0	94
S55A	7/12/2023	2'	0.37	ND	7.7	ND	ND	7.7	83
S56A	7/12/2023	2'	1.6	ND	ND	ND	ND	0	83
S57A	7/12/2023	2'	2.1	ND	5	ND	ND	5	86
S58A	7/12/2023	2'	2.6	ND	5.8	ND	ND	5.8	80
S59A	7/12/2023	2'	0.84	ND	ND	ND	ND	0	90
S60A	7/12/2023	2'	0.56	ND	ND	ND	ND	0	91
S61	7/12/2023	2'	1.4	ND	ND	ND	ND	0	84
S62	7/12/2023	2'	2.9	ND	6.2	ND	ND	6.2	82
S63	7/12/2023	2'	0.6	ND	ND	ND	ND	0	130
S64	7/12/2023	2'	0.87	ND	ND	ND	ND	0	150
S65	7/12/2023	2'	0.2	ND	ND	ND	ND	0	110
S66	7/12/2023	2'	0.59	ND	ND	ND	ND	0	220
S67	7/12/2023	2'	0.67	ND	ND	ND	ND	0	100
S68	7/12/2023	2'	0.56	ND	ND	ND	ND	0	110
S69	7/12/2023	2'	1.1	ND	ND	ND	ND	0	130
S70	7/12/2023	4.5'	ND	ND	ND	ND	ND	0	ND
S71	7/12/2023	4.5'	ND	ND	ND	ND	ND	0	ND
S72	7/12/2023	4.5'	ND	ND	ND	ND	ND	0	ND
S73A	7/12/2023	4.5'	ND	ND	ND	ND	ND	0	ND
S74A	7/12/2023	4.5'	ND	ND	ND	ND	ND	0	ND
S75A	7/12/2023	4.5'	ND	ND	ND	11	ND	11	ND
S76A	7/12/2023	4.5'	ND	ND	ND	ND	ND	0	ND
S77A	7/12/2023	4.5'	ND	ND	ND	ND	ND	0	ND
S78A	7/12/2023	4.5'	ND	ND	ND	ND	ND	0	ND
S79A	7/12/2023	4.5'	ND	ND	ND	12	ND	12	ND
S80A	7/12/2023	4.5'	ND	ND	ND	ND	ND	0	ND
S81A	7/12/2023	4.5'	ND	ND	ND	ND	ND	0	ND
S82A	7/12/2023	4.5'	ND	ND	ND	ND	ND	0	ND
S83A	7/12/2023	4.5'	ND	ND	ND	ND	ND	0	ND
S84A	7/12/2023	4.5'	ND	ND	ND	19	ND	19	ND
SW1	7/12/2023		7.1	ND	20	ND	ND	20	97
SW2	7/12/2023		6.7	ND	19	ND	ND	19	97
SW3	7/12/2023		5.3	ND	15	10	ND	25	88
SW4	7/12/2023		5.1	ND	14	10	ND	24	90

Select Energy-Responsible
August 11, 2023

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	GRO + DRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
SW5	7/12/2023		7.8	ND	21	13	ND	34	83
SW6	7/12/2023		6.3	ND	18	ND	ND	18	95
SW7	7/12/2023		6	ND	17	ND	ND	17	89
SW8	7/12/2023		3.8	ND	11	11	ND	22	80
SW9	7/12/2023		7	ND	20	38	ND	58	96
ND = Analyte Not Detected, SW = Sidewall sample									

Scope of Work

- The areas of S1 through S69 were excavated to a depth of 2 ft. bgs. and advanced horizontally to the extent that all analytes of concern were below NMOCD Table 1 soil remediation standards.
- The areas of S70 through S84A were excavated to a depth of 4.5 ft. bgs. and advanced horizontally to the extent that all analytes of concern were below NMOCD Table 1 soil remediation standards.
- The sidewalls were advanced horizontally to the extent that they confirmed analyte levels were achieved in accordance with NMOCD Table I soil clean- up levels.
- Approximately 2,739 yards of excavated soil were transported to Lea Landfill, an NMOCD approved facility for disposal.
- The Silverback Boyd X Right-of-Way was backfilled with native topsoil and terraced to grade as documented in photo documentation [Appendix IV](#). The pasture area was re-seeded with a BLM #2 Seed Mixture.

Conclusion

Based on the above confirmation of field analysis; the excavated area was backfilled with fresh clean topsoil, terraced to grade and reseeded. All impacted soils were removed to an NMOCD approved facility. Therefore BDS Enterprise, respectfully submits this closure report for your consideration and approval. And, requests that the regulatory file for this incident be closed.

Select Energy-Responsible
August 11, 2023

Appendix I	C-141 Spill Notification
Appendix II	Site Maps
Appendix III	Groundwater Data, Soil Survey, Wetlands Map
Appendix IV	Photographic Documentation
Appendix V	Laboratory Data
Appendix VI	Correspondence NMOCD
Appendix VII	Boring Logs

Rebecca Pons

Director Environmental Services



Appendix I

NMOCD

C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: <u>Mark Ritchie</u>	Date: <u>7/18/23</u>
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	nAPP2304657101
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>61</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

Characterization Report Checklist: <i>Each of the following items must be included in the report.</i> ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. ☒ Field data ☒ Data table of soil contaminant concentration data ☒ Depth to water determination ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release ☒ Boring or excavation logs ☒ Photographs including date and GIS information ☒ Topographic/Aerial maps ☒ Laboratory data including chain of custody

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2304657101
District RP	
Facility ID	
Application ID	

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

Printed Name: Mark Ritchie Title: HSE Manager

Signature: Mark Ritchie Date: 7/18/23

email: mritchie@silverbackexp.com Telephone: 210-874-2406

OCD Only

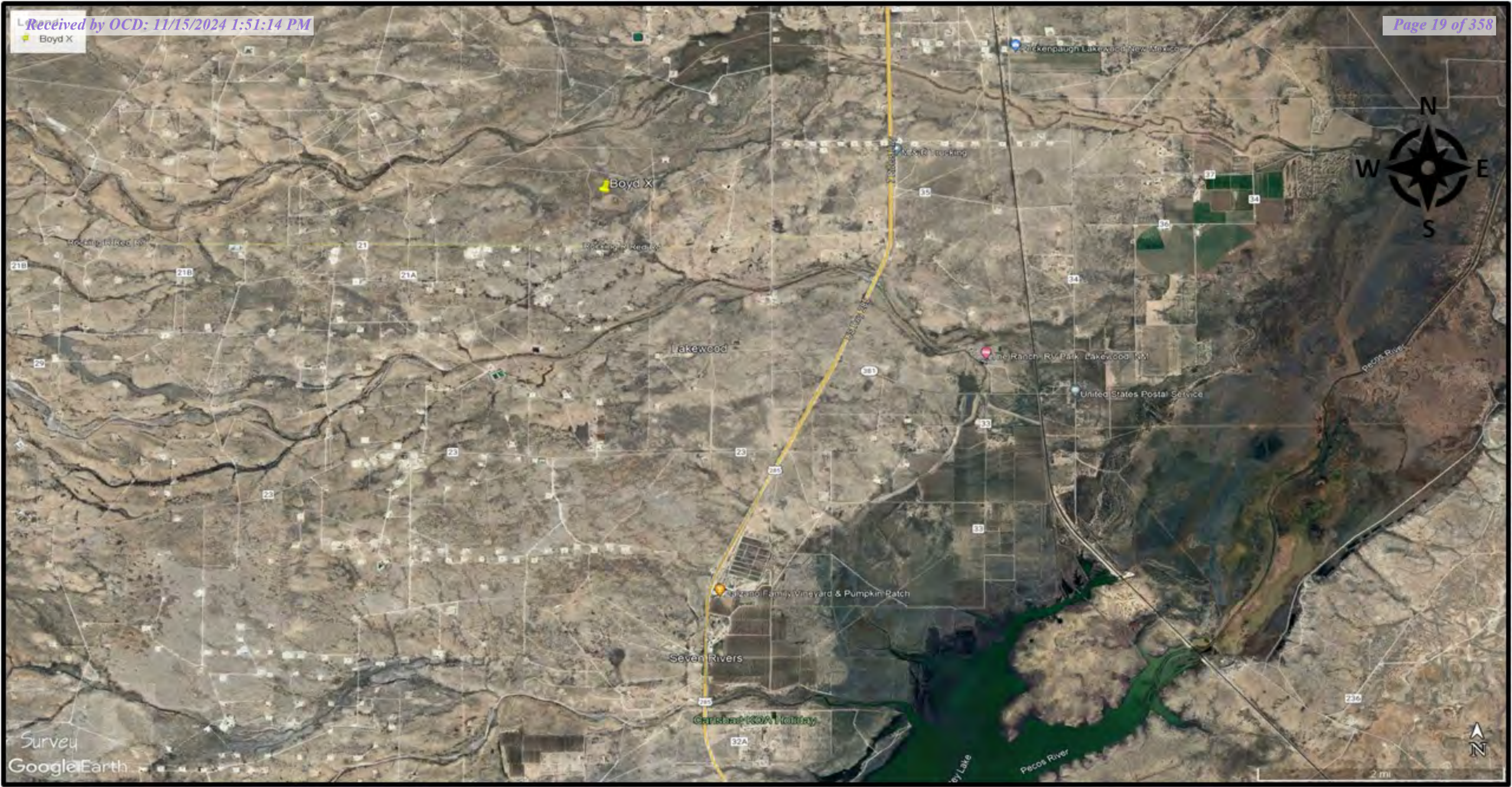
Received by: _____ Date: _____



Appendix II

Site Maps

Boyd X



Survey
Google Earth

Legend
Boyd X
Medium



Boyd X

Survey
Google Earth



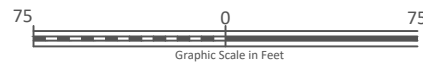
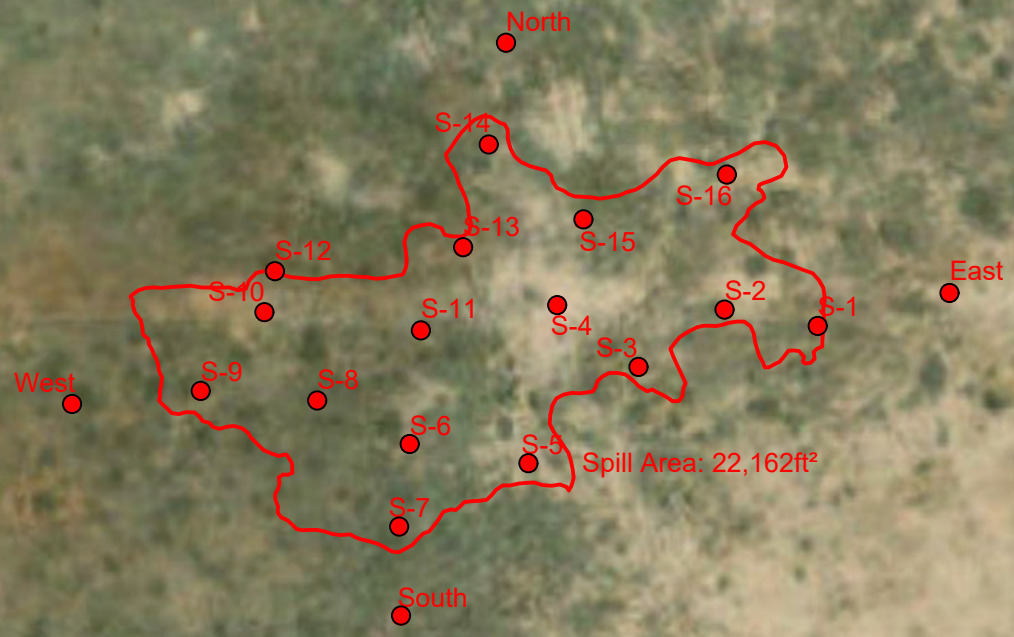
1000 ft



Legend

- Soil Sample Location
- Spill Location

Figure 2 - Aerial Map



Select Energy
Boyd X Silverback
Unit M (NW 1/4 of SE 1/4)
Sec. 13, T. 19 S., R. 25 E.,
Eddy County, New Mexico
32°39'38.58"N,
104°26'11.88"W



Water Transfer to Boyd X (nAPP2304657101)

Confirmation Sampling Site Schematic

Legend

- 4.5ft Excavation
- Water Transfer to Boyd X
- 2ft Excavation
- Sidewall Excavation Samples
- Floor Base Excavation Samples



Google Earth



Appendix III

Groundwater Data, Soil Survey, & Wetlands Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has been
replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

		POD		Q Q Q													Water
POD Number	Code	Sub-basin	County	64	16	4	Sec	Tws	Rng	X	Y	Distance	Depth	Well	Depth	Water Column	
RA 09295		RA	ED	4	3	4	13	19S	25E	552979	3613115*		716	250	85	165	
RA 09293		RA	ED	3	4	4	13	19S	25E	553180	3613114*		784	250	60	190	
RA 09294		RA	ED	3	4	4	13	19S	25E	553180	3613114*		784	194	76	118	
RA 08611		RA	ED	1	1	1	19	19S	26E	553583	3612909*		1179	235	90	145	
RA 01343		RA	ED	2	1	1	18	19S	26E	553777	3614525*		1184	440	69	371	
RA 08612		RA	ED	1	2	1	19	19S	26E	553989	3612912*		1470	221	80	141	
RA 09988		RA	ED	2	4	1	19	19S	26E	554190	3612507*		1888	100	65	35	
RA 07817		RA	ED	2	1	2	19	19S	26E	554592	3612915*		1980	224	145	79	
RA 07817 CLW		RA	ED	2	1	2	19	19S	26E	554592	3612915*		1980	275	130	145	
RA 09077		RA	ED	2	1	2	19	19S	26E	554592	3612915*		1980	200			
RA 13210 POD1		RA	ED	3	2	4	23	19S	25E	551644	3611983		2181	101	82	19	
RA 10262		RA	ED	2	2	2	19	19S	26E	554994	3612917*		2344	200	85	115	
RA 03983		RA	CH		4	3	01	19S	25E	552457	3616444*		2654	375	100	275	
RA 05450		RA	CH		4	2	15	19S	25E	550057	3614015*		2778	204	80	124	

Average Depth to Water: **88 feet**
Minimum Depth: **60 feet**
Maximum Depth: **145 feet**

Record Count: 14

UTMNAD83 Radius Search (in meters):

Easting (X): 552828.26

Northing (Y): 3613815.18

Radius: 3000

*UTM location was derived from PLSS - see Help

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

7/3/23 1:57 PM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
	RA 09988	2	4	1	19	19S	26E	554190	3612507*		
x											
Driller License:		885		Driller Company:			HUDSON, FRED				
Driller Name:		HUDSON, FRITZ									
Drill Start Date:		11/20/2000		Drill Finish Date:			03/02/2001		Plug Date:		
Log File Date:		03/15/2001		PCW Rcv Date:					Source:		Shallow
Pump Type:					Pipe Discharge Size:					Estimated Yield:	
Casing Size:		6.00		Depth Well:			100 feet		Depth Water:		65 feet
x											
Water Bearing Stratifications:					Top	Bottom	Description				
					75	85	Shallow Alluvium/Basin Fill				
x											
Casing Perforations:					Top	Bottom					
					0	90					
x											

*UTM location was derived from PLSS - see Help

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



Custom Soil Resource Report

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
RE	Reagan-Upton association, 0 to 9 percent slopes	6.8	100.0%
Totals for Area of Interest		6.8	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Custom Soil Resource Report

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Custom Soil Resource Report

Eddy Area, New Mexico**RE—Reagan-Upton association, 0 to 9 percent slopes****Map Unit Setting***National map unit symbol:* 1w5d*Elevation:* 1,100 to 5,400 feet*Mean annual precipitation:* 6 to 14 inches*Mean annual air temperature:* 60 to 64 degrees F*Frost-free period:* 180 to 240 days*Farmland classification:* Farmland of statewide importance**Map Unit Composition***Reagan and similar soils:* 70 percent*Upton and similar soils:* 25 percent*Minor components:* 5 percent*Estimates are based on observations, descriptions, and transects of the mapunit.***Description of Reagan****Setting***Landform:* Fan remnants, alluvial fans*Landform position (three-dimensional):* Rise*Down-slope shape:* Convex, linear*Across-slope shape:* Linear*Parent material:* Alluvium and/or eolian deposits**Typical profile***H1 - 0 to 8 inches:* loam*H2 - 8 to 60 inches:* loam**Properties and qualities***Slope:* 0 to 3 percent*Depth to restrictive feature:* More than 80 inches*Drainage class:* Well drained*Runoff class:* Low*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high
(0.60 to 2.00 in/hr)*Depth to water table:* More than 80 inches*Frequency of flooding:* None*Frequency of ponding:* None*Calcium carbonate, maximum content:* 40 percent*Maximum salinity:* Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)*Sodium adsorption ratio, maximum:* 1.0*Available water supply, 0 to 60 inches:* Moderate (about 8.2 inches)**Interpretive groups***Land capability classification (irrigated):* 2e*Land capability classification (nonirrigated):* 6e*Hydrologic Soil Group:* B*Ecological site:* R042CY153NM - Loamy*Hydric soil rating:* No

Custom Soil Resource Report

Description of Upton**Setting**

Landform: Ridges, fans

Landform position (three-dimensional): Side slope, rise

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 9 inches: gravelly loam

H2 - 9 to 13 inches: gravelly loam

H3 - 13 to 21 inches: cemented

H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high
(0.01 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 75 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D

Ecological site: R042CY159NM - Shallow Loamy

Hydric soil rating: No

Minor Components**Atoka**

Percent of map unit: 3 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Pima

Percent of map unit: 2 percent

Ecological site: R070BC017NM - Bottomland

Hydric soil rating: No

National Flood Hazard Layer FIRMette



Received by OCD: 11/15/2024 1:51:14 PM

Released to Imaging: 3/28/2025 2:03:04 PM

14°26'31"W 32°39'54"N

Legend

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

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
Zone A, V, AE, AH, VE, AP
- With BFE or Depth
Zone AE, AO, AH, VE, AP
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Flood Risk due to Levee. See Notes.
- Area with Flood Risk due to Levee

OTHER AREAS

- Area of Minimal Flood Hazard
- Effective LOMRs
- Area of Undetermined Flood Hazard
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

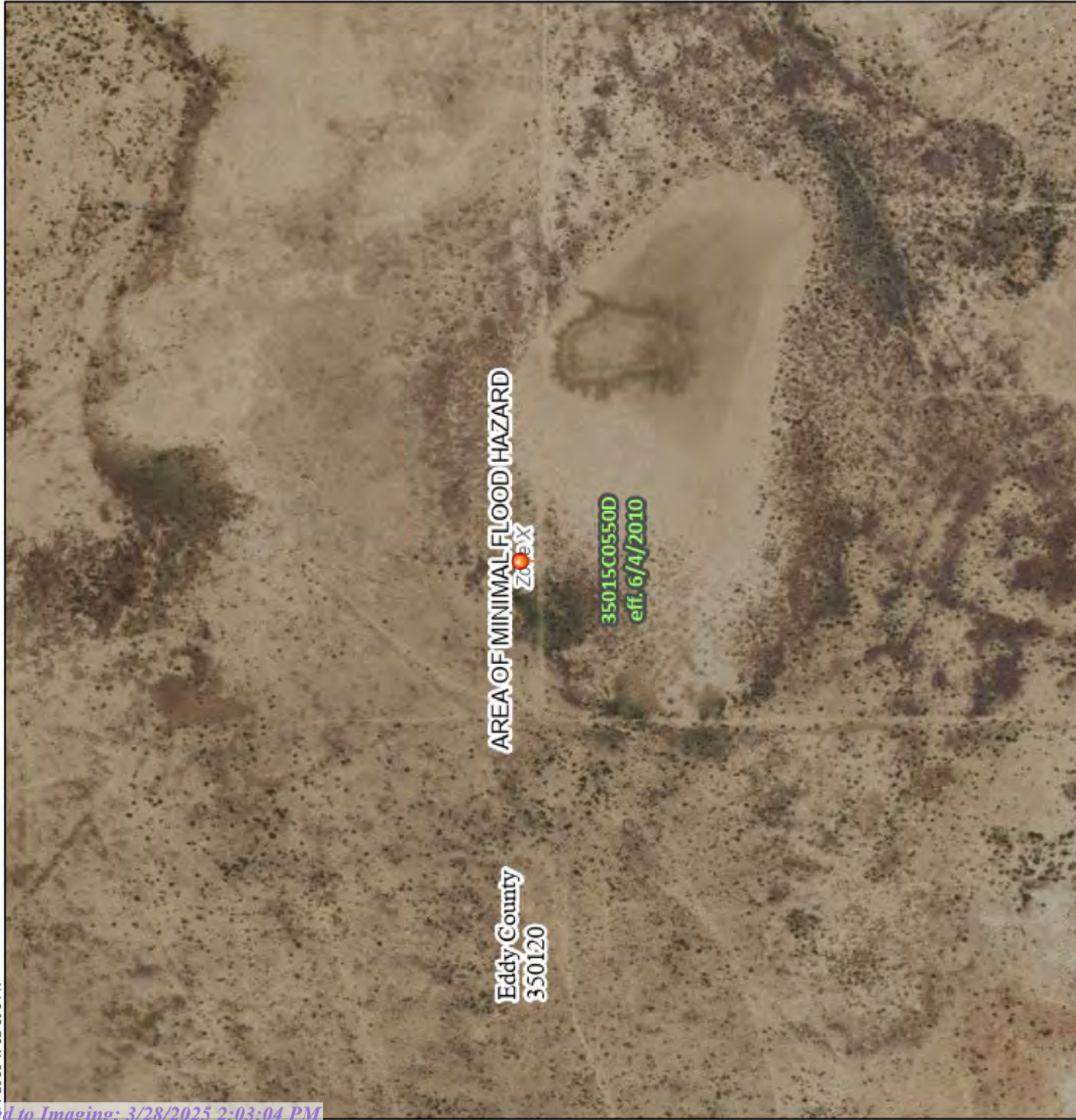
- Digital Data Available
- No Digital Data Available
- Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/3/2023 at 3:59 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



104°25'53"W 32°39'23"N

Feet 1:6,000



Appendix IV

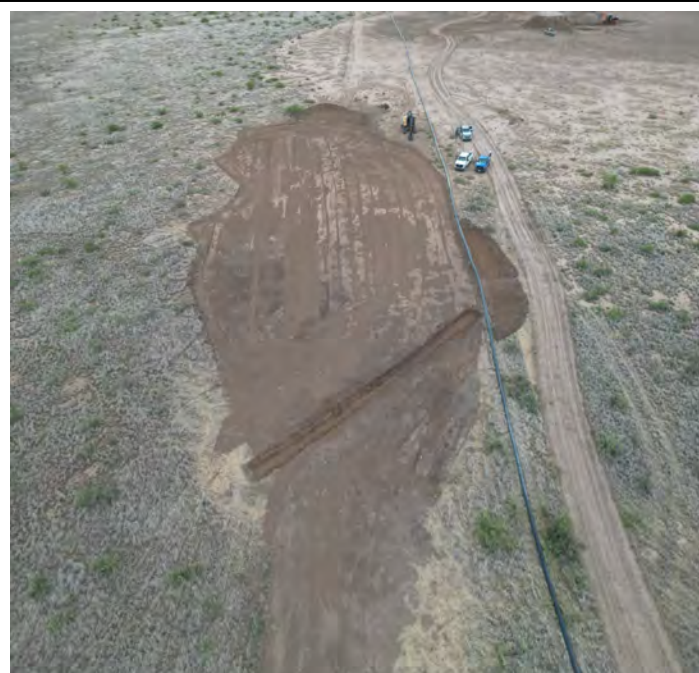
Photographic Documentation



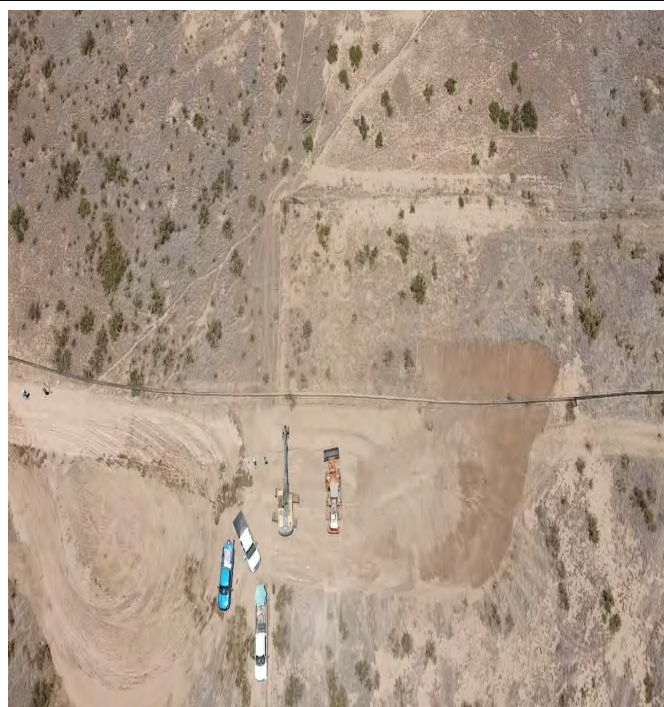
Select Energy
Silverback Boyd X



Impacted area, view west.



Aerial of Excavated area.



Aerial of Backfill Activity



Site Retored to Grade.



Appendix V

Laboratory Data



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark J Larson
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 3/8/2023 3:35:00 PM Revision 1

JOB DESCRIPTION

Boyd X-Silverback
SDG NUMBER 23-0105-01

JOB NUMBER

880-24991-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

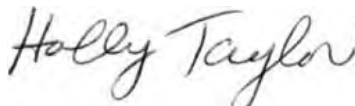


Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
3/8/2023 3:35:00 PM
Revision 1

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Laboratory Job ID: 880-24991-1
SDG: 23-0105-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Job ID: 880-24991-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-24991-1**

Revision

The report being provided is a revision of the original report sent on 3/8/2023. The report (revision 1) is being revised to remove BTEX results for Samples 12 and 13 as they were run out of hold time per Robert Nelson (email).

Receipt

The samples were received on 2/21/2023 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.3° C.

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-47605 recovered above the upper control limit for m,p-Xylenes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-47338 and analytical batch 880-47605 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-47337 and analytical batch 880-47604 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-5, 0.5-1 (880-24991-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-47723 recovered above the upper control limit for m,p-Xylenes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-47723 recovered above the upper control limit for m,p-Xylenes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-47631 and analytical batch 880-48071 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-7, 0-0.5 (880-24991-13) and (890-4174-A-1-I). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The following samples were prepared outside of preparation holding time due instrumentation errors and prioritizing rushes in error: S-6, 0.5-1 (880-24991-12) and S-7, 0-0.5 (880-24991-13).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-47230 and analytical batch 880-47239 was outside the upper control limits.

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-47229 and analytical batch 880-47219 was outside the upper control limits.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: S-1, 0.5-1 (880-24991-2), S-2, 0-0.5

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Job ID: 880-24991-1 (Continued)

Laboratory: Eurofins Midland (Continued)

(880-24991-3) and (880-24991-A-1-E MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-47099 and analytical batch 880-47301 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-47100 and 880-47100 and analytical batch 880-47302 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-1, 0-0.5

Lab Sample ID: 880-24991-1

Date Collected: 02/20/23 11:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 12:43	1
Toluene	<0.00199	U F1	0.00199	mg/Kg		02/27/23 14:56	03/02/23 12:43	1
Ethylbenzene	<0.00199	U F1	0.00199	mg/Kg		02/27/23 14:56	03/02/23 12:43	1
m,p-Xylenes	<0.00398	U F1	0.00398	mg/Kg		02/27/23 14:56	03/02/23 12:43	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 12:43	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/27/23 14:56	03/02/23 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	02/27/23 14:56	03/02/23 12:43	1
1,4-Difluorobenzene (Surr)	91		70 - 130	02/27/23 14:56	03/02/23 12:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/03/23 13:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/25/23 21:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/25/23 21:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/25/23 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130	02/25/23 09:52	02/25/23 21:17	1
o-Terphenyl (Surr)	105		70 - 130	02/25/23 09:52	02/25/23 21:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13100	F1	250	mg/Kg			02/26/23 18:43	50

Client Sample ID: S-1, 0.5-1

Lab Sample ID: 880-24991-2

Date Collected: 02/20/23 11:15

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 13:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 13:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 13:03	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/27/23 14:56	03/02/23 13:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 13:03	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/27/23 14:56	03/02/23 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	02/27/23 14:56	03/02/23 13:03	1
1,4-Difluorobenzene (Surr)	109		70 - 130	02/27/23 14:56	03/02/23 13:03	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-1, 0.5-1

Lab Sample ID: 880-24991-2

Date Collected: 02/20/23 11:15

Matrix: Solid

Date Received: 02/21/23 09:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/03/23 13:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/25/23 22:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/25/23 22:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/25/23 22:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130			02/25/23 09:52	02/25/23 22:22	1
o-Terphenyl (Surr)	131	S1+	70 - 130			02/25/23 09:52	02/25/23 22:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8140		49.9	mg/Kg			02/26/23 19:01	10

Client Sample ID: S-2, 0-0.5

Lab Sample ID: 880-24991-3

Date Collected: 02/20/23 11:30

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 13:24	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 13:24	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 13:24	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/27/23 14:56	03/02/23 13:24	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 13:24	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/27/23 14:56	03/02/23 13:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			02/27/23 14:56	03/02/23 13:24	1
1,4-Difluorobenzene (Surr)	89		70 - 130			02/27/23 14:56	03/02/23 13:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/03/23 13:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/25/23 22:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/25/23 22:44	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-2, 0-0.5

Lab Sample ID: 880-24991-3

Date Collected: 02/20/23 11:30

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/25/23 22:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130			02/25/23 09:52	02/25/23 22:44	1
o-Terphenyl (Surr)	132	S1+	70 - 130			02/25/23 09:52	02/25/23 22:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11500		99.4	mg/Kg			02/26/23 19:07	20

Client Sample ID: S-2, 0.5-1

Lab Sample ID: 880-24991-4

Date Collected: 02/20/23 11:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 13:45	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 13:45	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 13:45	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/27/23 14:56	03/02/23 13:45	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 13:45	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/27/23 14:56	03/02/23 13:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			02/27/23 14:56	03/02/23 13:45	1
1,4-Difluorobenzene (Surr)	100		70 - 130			02/27/23 14:56	03/02/23 13:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/03/23 13:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/25/23 23:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/25/23 23:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/25/23 23:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			02/25/23 09:52	02/25/23 23:06	1
o-Terphenyl (Surr)	112		70 - 130			02/25/23 09:52	02/25/23 23:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2030		25.3	mg/Kg			02/26/23 19:14	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-3, 0-0.5

Lab Sample ID: 880-24991-5

Date Collected: 02/20/23 12:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 14:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 14:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 14:05	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/27/23 14:56	03/02/23 14:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 14:05	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/27/23 14:56	03/02/23 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	02/27/23 14:56	03/02/23 14:05	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/27/23 14:56	03/02/23 14:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/03/23 13:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/25/23 23:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/25/23 23:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/25/23 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130	02/25/23 09:52	02/25/23 23:28	1
o-Terphenyl (Surr)	104		70 - 130	02/25/23 09:52	02/25/23 23:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11900		99.8	mg/Kg			02/26/23 19:20	20

Client Sample ID: S-3, 0.5-1

Lab Sample ID: 880-24991-6

Date Collected: 02/20/23 12:15

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 14:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 14:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 14:26	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/27/23 14:56	03/02/23 14:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 14:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/27/23 14:56	03/02/23 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	02/27/23 14:56	03/02/23 14:26	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/27/23 14:56	03/02/23 14:26	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-3, 0.5-1

Lab Sample ID: 880-24991-6

Date Collected: 02/20/23 12:15

Matrix: Solid

Date Received: 02/21/23 09:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/03/23 13:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/25/23 23:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/25/23 23:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/25/23 23:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			02/25/23 09:52	02/25/23 23:49	1
o-Terphenyl (Surr)	111		70 - 130			02/25/23 09:52	02/25/23 23:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1470		25.1	mg/Kg			02/26/23 19:38	5

Client Sample ID: S-4, 0-0.5

Lab Sample ID: 880-24991-7

Date Collected: 02/20/23 12:30

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 14:47	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 14:47	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 14:47	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/27/23 14:56	03/02/23 14:47	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 14:47	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/27/23 14:56	03/02/23 14:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			02/27/23 14:56	03/02/23 14:47	1
1,4-Difluorobenzene (Surr)	109		70 - 130			02/27/23 14:56	03/02/23 14:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/03/23 13:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 00:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 00:11	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-4, 0-0.5

Lab Sample ID: 880-24991-7

Date Collected: 02/20/23 12:30

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 00:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			02/25/23 09:52	02/26/23 00:11	1
o-Terphenyl (Surr)	109		70 - 130			02/25/23 09:52	02/26/23 00:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9290		99.4	mg/Kg			02/26/23 19:44	20

Client Sample ID: S-4, 0.5-1

Lab Sample ID: 880-24991-8

Date Collected: 02/20/23 12:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/27/23 14:56	03/02/23 15:08	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/27/23 14:56	03/02/23 15:08	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/27/23 14:56	03/02/23 15:08	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/27/23 14:56	03/02/23 15:08	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/27/23 14:56	03/02/23 15:08	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/27/23 14:56	03/02/23 15:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130			02/27/23 14:56	03/02/23 15:08	1
1,4-Difluorobenzene (Surr)	90		70 - 130			02/27/23 14:56	03/02/23 15:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/03/23 13:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 00:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 00:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 00:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			02/25/23 09:52	02/26/23 00:32	1
o-Terphenyl (Surr)	115		70 - 130			02/25/23 09:52	02/26/23 00:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4360		49.8	mg/Kg			02/26/23 19:50	10

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-5, 0-0.5

Lab Sample ID: 880-24991-9

Date Collected: 02/20/23 13:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 15:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 15:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 15:28	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/27/23 14:56	03/02/23 15:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 15:28	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/27/23 14:56	03/02/23 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	02/27/23 14:56	03/02/23 15:28	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/27/23 14:56	03/02/23 15:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/03/23 13:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 00:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 00:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	02/25/23 09:52	02/26/23 00:54	1
o-Terphenyl (Surr)	112		70 - 130	02/25/23 09:52	02/26/23 00:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10300		99.0	mg/Kg			02/26/23 19:57	20

Client Sample ID: S-5, 0.5-1

Lab Sample ID: 880-24991-10

Date Collected: 02/20/23 13:15

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 16:40	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 16:40	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 16:40	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/27/23 14:56	03/02/23 16:40	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:56	03/02/23 16:40	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/27/23 14:56	03/02/23 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	02/27/23 14:56	03/02/23 16:40	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	02/27/23 14:56	03/02/23 16:40	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-5, 0.5-1

Lab Sample ID: 880-24991-10

Date Collected: 02/20/23 13:15

Matrix: Solid

Date Received: 02/21/23 09:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/03/23 13:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 01:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 01:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 01:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			02/25/23 09:52	02/26/23 01:15	1
o-Terphenyl (Surr)	123		70 - 130			02/25/23 09:52	02/26/23 01:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	995		5.02	mg/Kg			02/26/23 20:03	1

Client Sample ID: S-6, 0-0.5

Lab Sample ID: 880-24991-11

Date Collected: 02/20/23 13:30

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/03/23 09:48	03/03/23 15:09	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/03/23 09:48	03/03/23 15:09	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/03/23 09:48	03/03/23 15:09	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		03/03/23 09:48	03/03/23 15:09	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/03/23 09:48	03/03/23 15:09	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/03/23 09:48	03/03/23 15:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			03/03/23 09:48	03/03/23 15:09	1
1,4-Difluorobenzene (Surr)	108		70 - 130			03/03/23 09:48	03/03/23 15:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/06/23 14:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 01:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 01:58	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-6, 0-0.5

Lab Sample ID: 880-24991-11

Date Collected: 02/20/23 13:30

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 01:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			02/25/23 09:52	02/26/23 01:58	1
o-Terphenyl (Surr)	114		70 - 130			02/25/23 09:52	02/26/23 01:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13400	F1	250	mg/Kg			02/26/23 20:09	50

Client Sample ID: S-6, 0.5-1

Lab Sample ID: 880-24991-12

Date Collected: 02/20/23 13:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 02:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 02:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 02:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			02/25/23 09:52	02/26/23 02:20	1
o-Terphenyl (Surr)	106		70 - 130			02/25/23 09:52	02/26/23 02:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4340		50.5	mg/Kg			02/26/23 20:27	10

Client Sample ID: S-7, 0-0.5

Lab Sample ID: 880-24991-13

Date Collected: 02/20/23 14:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 02:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 02:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 02:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			02/25/23 09:52	02/26/23 02:42	1
o-Terphenyl (Surr)	114		70 - 130			02/25/23 09:52	02/26/23 02:42	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-7, 0-0.5

Lab Sample ID: 880-24991-13

Date Collected: 02/20/23 14:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12000		248	mg/Kg			02/26/23 20:33	50

Client Sample ID: S-7, 0.5-1

Lab Sample ID: 880-24991-14

Date Collected: 02/20/23 14:15

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/03/23 09:48	03/03/23 17:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/03/23 09:48	03/03/23 17:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/03/23 09:48	03/03/23 17:30	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		03/03/23 09:48	03/03/23 17:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/03/23 09:48	03/03/23 17:30	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/03/23 09:48	03/03/23 17:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130			03/03/23 09:48	03/03/23 17:30	1
1,4-Difluorobenzene (Surr)	114		70 - 130			03/03/23 09:48	03/03/23 17:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/06/23 14:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 03:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 03:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 03:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			02/25/23 09:52	02/26/23 03:03	1
o-Terphenyl (Surr)	112		70 - 130			02/25/23 09:52	02/26/23 03:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		25.1	mg/Kg			02/26/23 20:52	5

Client Sample ID: S-8, 0-0.5

Lab Sample ID: 880-24991-15

Date Collected: 02/20/23 14:30

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 17:50	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 17:50	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 17:50	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-8, 0-0.5

Lab Sample ID: 880-24991-15

Date Collected: 02/20/23 14:30

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/03/23 09:48	03/03/23 17:50	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 17:50	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/03/23 09:48	03/03/23 17:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			03/03/23 09:48	03/03/23 17:50	1
1,4-Difluorobenzene (Surr)	109		70 - 130			03/03/23 09:48	03/03/23 17:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/06/23 14:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 03:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 03:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 03:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			02/25/23 09:52	02/26/23 03:25	1
o-Terphenyl (Surr)	102		70 - 130			02/25/23 09:52	02/26/23 03:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10900		99.0	mg/Kg			02/26/23 20:58	20

Client Sample ID: S-8, 0.5-1

Lab Sample ID: 880-24991-16

Date Collected: 02/20/23 14:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 18:11	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 18:11	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 18:11	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/03/23 09:48	03/03/23 18:11	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 18:11	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/03/23 09:48	03/03/23 18:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			03/03/23 09:48	03/03/23 18:11	1
1,4-Difluorobenzene (Surr)	106		70 - 130			03/03/23 09:48	03/03/23 18:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/06/23 14:37	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-8, 0.5-1

Lab Sample ID: 880-24991-16

Date Collected: 02/20/23 14:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 03:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 03:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 03:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			02/25/23 09:52	02/26/23 03:47	1
o-Terphenyl (Surr)	112		70 - 130			02/25/23 09:52	02/26/23 03:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10200		100	mg/Kg			02/26/23 21:04	20

Client Sample ID: S-9, 0-0.5

Lab Sample ID: 880-24991-17

Date Collected: 02/20/23 15:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 18:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 18:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 18:31	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/03/23 09:48	03/03/23 18:31	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 18:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/03/23 09:48	03/03/23 18:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			03/03/23 09:48	03/03/23 18:31	1
1,4-Difluorobenzene (Surr)	111		70 - 130			03/03/23 09:48	03/03/23 18:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/06/23 14:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 04:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 04:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 04:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			02/25/23 09:52	02/26/23 04:08	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-9, 0-0.5

Lab Sample ID: 880-24991-17

Date Collected: 02/20/23 15:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	113		70 - 130	02/25/23 09:52	02/26/23 04:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8310		49.5	mg/Kg			02/26/23 21:10	10

Client Sample ID: S-9, 0.5-1

Lab Sample ID: 880-24991-18

Date Collected: 02/20/23 15:15

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/03/23 09:48	03/03/23 18:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/03/23 09:48	03/03/23 18:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/03/23 09:48	03/03/23 18:52	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		03/03/23 09:48	03/03/23 18:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/03/23 09:48	03/03/23 18:52	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/03/23 09:48	03/03/23 18:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			03/03/23 09:48	03/03/23 18:52	1
1,4-Difluorobenzene (Surr)	108		70 - 130			03/03/23 09:48	03/03/23 18:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/06/23 14:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 04:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 04:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 04:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			02/25/23 09:52	02/26/23 04:30	1
o-Terphenyl (Surr)	111		70 - 130			02/25/23 09:52	02/26/23 04:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	647		24.9	mg/Kg			02/26/23 21:17	5

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-10, 0-0.5

Lab Sample ID: 880-24991-19

Date Collected: 02/20/23 15:30

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 19:12	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 19:12	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 19:12	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/03/23 09:48	03/03/23 19:12	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 19:12	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/03/23 09:48	03/03/23 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	03/03/23 09:48	03/03/23 19:12	1
1,4-Difluorobenzene (Surr)	106		70 - 130	03/03/23 09:48	03/03/23 19:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/06/23 14:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 04:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 04:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/26/23 04:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130	02/25/23 09:52	02/26/23 04:52	1
o-Terphenyl (Surr)	108		70 - 130	02/25/23 09:52	02/26/23 04:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11000		100	mg/Kg			02/26/23 21:23	20

Client Sample ID: S-10, 0.5-1

Lab Sample ID: 880-24991-20

Date Collected: 02/20/23 15:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 19:33	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 19:33	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 19:33	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/03/23 09:48	03/03/23 19:33	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/03/23 09:48	03/03/23 19:33	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/03/23 09:48	03/03/23 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/03/23 09:48	03/03/23 19:33	1
1,4-Difluorobenzene (Surr)	110		70 - 130	03/03/23 09:48	03/03/23 19:33	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-10, 0.5-1

Lab Sample ID: 880-24991-20

Date Collected: 02/20/23 15:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/06/23 14:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 15:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 05:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 05:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:52	02/26/23 05:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			02/25/23 09:52	02/26/23 05:13	1
o-Terphenyl (Surr)	105		70 - 130			02/25/23 09:52	02/26/23 05:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	957		4.96	mg/Kg			02/26/23 21:29	1

Client Sample ID: S-11, 0-0.5

Lab Sample ID: 880-24991-21

Date Collected: 02/20/23 16:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 13:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 13:58	1
Ethylbenzene	<0.00200	U F1	0.00200	mg/Kg		02/27/23 14:58	03/02/23 13:58	1
m,p-Xylenes	<0.00400	U F1	0.00400	mg/Kg		02/27/23 14:58	03/02/23 13:58	1
o-Xylene	<0.00200	U F1	0.00200	mg/Kg		02/27/23 14:58	03/02/23 13:58	1
Xylenes, Total	<0.00400	U F1	0.00400	mg/Kg		02/27/23 14:58	03/02/23 13:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			02/27/23 14:58	03/02/23 13:58	1
1,4-Difluorobenzene (Surr)	109		70 - 130			02/27/23 14:58	03/02/23 13:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			03/02/23 18:34	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 12:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 12:03	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-11, 0-0.5

Lab Sample ID: 880-24991-21

Date Collected: 02/20/23 16:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 12:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130			02/25/23 09:56	02/26/23 12:03	1
o-Terphenyl (Surr)	89		70 - 130			02/25/23 09:56	02/26/23 12:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12000	F1	100	mg/Kg			02/26/23 22:18	20

Client Sample ID: S-11, 0.5-1

Lab Sample ID: 880-24991-22

Date Collected: 02/20/23 16:15

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 14:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 14:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 14:19	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/27/23 14:58	03/02/23 14:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 14:19	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/27/23 14:58	03/02/23 14:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			02/27/23 14:58	03/02/23 14:19	1
1,4-Difluorobenzene (Surr)	106		70 - 130			02/27/23 14:58	03/02/23 14:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/02/23 18:34	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 13:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 13:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 13:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			02/25/23 09:56	02/26/23 13:09	1
o-Terphenyl (Surr)	85		70 - 130			02/25/23 09:56	02/26/23 13:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5420		49.8	mg/Kg			02/26/23 22:37	10

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: South, 0-0.5

Lab Sample ID: 880-24991-23

Date Collected: 02/20/23 16:30

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 17:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 17:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 17:14	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/27/23 14:58	03/02/23 17:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 17:14	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/27/23 14:58	03/02/23 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	02/27/23 14:58	03/02/23 17:14	1
1,4-Difluorobenzene (Surr)	107		70 - 130	02/27/23 14:58	03/02/23 17:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/03/23 13:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 13:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 13:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130	02/25/23 09:56	02/26/23 13:31	1
o-Terphenyl (Surr)	85		70 - 130	02/25/23 09:56	02/26/23 13:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.23		5.00	mg/Kg			02/26/23 22:43	1

Client Sample ID: Sout, 0.5-1

Lab Sample ID: 880-24991-24

Date Collected: 02/20/23 16:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/27/23 14:58	03/02/23 17:34	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/27/23 14:58	03/02/23 17:34	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/27/23 14:58	03/02/23 17:34	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		02/27/23 14:58	03/02/23 17:34	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/27/23 14:58	03/02/23 17:34	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/27/23 14:58	03/02/23 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	02/27/23 14:58	03/02/23 17:34	1
1,4-Difluorobenzene (Surr)	109		70 - 130	02/27/23 14:58	03/02/23 17:34	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: Sout, 0.5-1

Lab Sample ID: 880-24991-24

Date Collected: 02/20/23 16:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			03/03/23 13:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 13:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 13:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 13:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			02/25/23 09:56	02/26/23 13:54	1
o-Terphenyl (Surr)	99		70 - 130			02/25/23 09:56	02/26/23 13:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.95		4.95	mg/Kg			02/26/23 22:49	1

Client Sample ID: West, 0-0.5

Lab Sample ID: 880-24991-25

Date Collected: 02/20/23 17:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 19:24	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 19:24	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 19:24	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/27/23 14:58	03/02/23 19:24	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 19:24	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/27/23 14:58	03/02/23 19:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			02/27/23 14:58	03/02/23 19:24	1
1,4-Difluorobenzene (Surr)	109		70 - 130			02/27/23 14:58	03/02/23 19:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/03/23 13:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 14:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 14:16	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: West, 0-0.5

Lab Sample ID: 880-24991-25

Date Collected: 02/20/23 17:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 14:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			02/25/23 09:56	02/26/23 14:16	1
o-Terphenyl (Surr)	87		70 - 130			02/25/23 09:56	02/26/23 14:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.7		5.01	mg/Kg			02/26/23 22:55	1

Client Sample ID: West, 0.5-1

Lab Sample ID: 880-24991-26

Date Collected: 02/20/23 17:15

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/27/23 14:58	03/02/23 19:45	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/27/23 14:58	03/02/23 19:45	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/27/23 14:58	03/02/23 19:45	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/27/23 14:58	03/02/23 19:45	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/27/23 14:58	03/02/23 19:45	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/27/23 14:58	03/02/23 19:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			02/27/23 14:58	03/02/23 19:45	1
1,4-Difluorobenzene (Surr)	106		70 - 130			02/27/23 14:58	03/02/23 19:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/03/23 13:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 14:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 14:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 14:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			02/25/23 09:56	02/26/23 14:38	1
o-Terphenyl (Surr)	86		70 - 130			02/25/23 09:56	02/26/23 14:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.1		5.01	mg/Kg			02/26/23 23:14	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: East, 0-0.5

Lab Sample ID: 880-24991-27

Date Collected: 02/20/23 17:30

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 20:05	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 20:05	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 20:05	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/27/23 14:58	03/02/23 20:05	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 20:05	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/27/23 14:58	03/02/23 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	02/27/23 14:58	03/02/23 20:05	1
1,4-Difluorobenzene (Surr)	113		70 - 130	02/27/23 14:58	03/02/23 20:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/03/23 13:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 15:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 15:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130	02/25/23 09:56	02/26/23 15:00	1
o-Terphenyl (Surr)	88		70 - 130	02/25/23 09:56	02/26/23 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.5		4.97	mg/Kg			02/26/23 23:20	1

Client Sample ID: East, 0.5-1

Lab Sample ID: 880-24991-28

Date Collected: 02/20/23 17:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 20:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 20:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 20:26	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/27/23 14:58	03/02/23 20:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 20:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/27/23 14:58	03/02/23 20:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	02/27/23 14:58	03/02/23 20:26	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/27/23 14:58	03/02/23 20:26	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: East, 0.5-1

Lab Sample ID: 880-24991-28

Date Collected: 02/20/23 17:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/03/23 13:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 15:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 15:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 15:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130			02/25/23 09:56	02/26/23 15:23	1
o-Terphenyl (Surr)	89		70 - 130			02/25/23 09:56	02/26/23 15:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.7		4.99	mg/Kg			02/26/23 23:26	1

Client Sample ID: North, 0-0.5

Lab Sample ID: 880-24991-29

Date Collected: 02/20/23 18:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 20:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 20:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 20:46	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/27/23 14:58	03/02/23 20:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 20:46	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/27/23 14:58	03/02/23 20:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			02/27/23 14:58	03/02/23 20:46	1
1,4-Difluorobenzene (Surr)	108		70 - 130			02/27/23 14:58	03/02/23 20:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/03/23 13:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 15:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 15:44	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: North, 0-0.5

Lab Sample ID: 880-24991-29

Date Collected: 02/20/23 18:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 15:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			02/25/23 09:56	02/26/23 15:44	1
o-Terphenyl (Surr)	97		70 - 130			02/25/23 09:56	02/26/23 15:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.4		5.00	mg/Kg			02/26/23 23:32	1

Client Sample ID: North,0.5-1

Lab Sample ID: 880-24991-30

Date Collected: 02/20/23 18:15

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 21:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 21:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 21:07	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/27/23 14:58	03/02/23 21:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 21:07	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/27/23 14:58	03/02/23 21:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			02/27/23 14:58	03/02/23 21:07	1
1,4-Difluorobenzene (Surr)	109		70 - 130			02/27/23 14:58	03/02/23 21:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/03/23 13:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 16:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 16:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 16:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130			02/25/23 09:56	02/26/23 16:06	1
o-Terphenyl (Surr)	98		70 - 130			02/25/23 09:56	02/26/23 16:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.9		5.00	mg/Kg			02/26/23 23:38	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-12, 0-0.5

Lab Sample ID: 880-24991-31

Date Collected: 02/20/23 18:30

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 21:27	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 21:27	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 21:27	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/27/23 14:58	03/02/23 21:27	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/27/23 14:58	03/02/23 21:27	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/27/23 14:58	03/02/23 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	02/27/23 14:58	03/02/23 21:27	1
1,4-Difluorobenzene (Surr)	112		70 - 130	02/27/23 14:58	03/02/23 21:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/03/23 13:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/25/23 09:56	02/26/23 16:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/25/23 09:56	02/26/23 16:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/25/23 09:56	02/26/23 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130	02/25/23 09:56	02/26/23 16:50	1
o-Terphenyl (Surr)	90		70 - 130	02/25/23 09:56	02/26/23 16:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12200	F1	99.4	mg/Kg			02/26/23 23:44	20

Client Sample ID: S-12, 0.5-1

Lab Sample ID: 880-24991-32

Date Collected: 02/20/23 18:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/23 13:45	03/02/23 05:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/23 13:45	03/02/23 05:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/23 13:45	03/02/23 05:35	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		03/01/23 13:45	03/02/23 05:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/01/23 13:45	03/02/23 05:35	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/01/23 13:45	03/02/23 05:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	03/01/23 13:45	03/02/23 05:35	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/01/23 13:45	03/02/23 05:35	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-12, 0.5-1

Lab Sample ID: 880-24991-32

Date Collected: 02/20/23 18:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/02/23 16:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 17:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 17:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 17:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			02/25/23 09:56	02/26/23 17:12	1
o-Terphenyl (Surr)	98		70 - 130			02/25/23 09:56	02/26/23 17:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4350		50.5	mg/Kg			02/27/23 00:03	10

Client Sample ID: S-13, 0-0.5

Lab Sample ID: 880-24991-33

Date Collected: 02/20/23 19:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/01/23 13:45	03/02/23 05:55	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/01/23 13:45	03/02/23 05:55	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/01/23 13:45	03/02/23 05:55	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		03/01/23 13:45	03/02/23 05:55	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/01/23 13:45	03/02/23 05:55	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/01/23 13:45	03/02/23 05:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			03/01/23 13:45	03/02/23 05:55	1
1,4-Difluorobenzene (Surr)	108		70 - 130			03/01/23 13:45	03/02/23 05:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			03/02/23 16:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		02/25/23 09:56	02/26/23 17:35	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		02/25/23 09:56	02/26/23 17:35	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-13, 0-0.5

Lab Sample ID: 880-24991-33

Date Collected: 02/20/23 19:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		02/25/23 09:56	02/26/23 17:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			02/25/23 09:56	02/26/23 17:35	1
o-Terphenyl (Surr)	88		70 - 130			02/25/23 09:56	02/26/23 17:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9360		100	mg/Kg			02/27/23 00:09	20

Client Sample ID: S-13, 0.5-1

Lab Sample ID: 880-24991-34

Date Collected: 02/20/23 19:15

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/01/23 13:45	03/02/23 06:16	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/01/23 13:45	03/02/23 06:16	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/01/23 13:45	03/02/23 06:16	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/01/23 13:45	03/02/23 06:16	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/01/23 13:45	03/02/23 06:16	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/01/23 13:45	03/02/23 06:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			03/01/23 13:45	03/02/23 06:16	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/01/23 13:45	03/02/23 06:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/02/23 16:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		02/25/23 09:56	02/26/23 17:56	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		02/25/23 09:56	02/26/23 17:56	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		02/25/23 09:56	02/26/23 17:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			02/25/23 09:56	02/26/23 17:56	1
o-Terphenyl (Surr)	99		70 - 130			02/25/23 09:56	02/26/23 17:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1680		24.9	mg/Kg			02/27/23 00:27	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-14, 0-0.5

Lab Sample ID: 880-24991-35

Date Collected: 02/20/23 19:30

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/01/23 13:45	03/02/23 06:36	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/01/23 13:45	03/02/23 06:36	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/01/23 13:45	03/02/23 06:36	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/01/23 13:45	03/02/23 06:36	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/01/23 13:45	03/02/23 06:36	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/01/23 13:45	03/02/23 06:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	03/01/23 13:45	03/02/23 06:36	1
1,4-Difluorobenzene (Surr)	106		70 - 130	03/01/23 13:45	03/02/23 06:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/02/23 16:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 18:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 18:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	02/25/23 09:56	02/26/23 18:18	1
o-Terphenyl (Surr)	93		70 - 130	02/25/23 09:56	02/26/23 18:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10600		100	mg/Kg			02/27/23 00:34	20

Client Sample ID: S-14, 0.5-1

Lab Sample ID: 880-24991-36

Date Collected: 02/20/23 19:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/01/23 13:45	03/02/23 06:57	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/01/23 13:45	03/02/23 06:57	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/01/23 13:45	03/02/23 06:57	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		03/01/23 13:45	03/02/23 06:57	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/01/23 13:45	03/02/23 06:57	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/01/23 13:45	03/02/23 06:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	03/01/23 13:45	03/02/23 06:57	1
1,4-Difluorobenzene (Surr)	109		70 - 130	03/01/23 13:45	03/02/23 06:57	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-14, 0.5-1

Lab Sample ID: 880-24991-36

Date Collected: 02/20/23 19:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			03/02/23 16:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/25/23 09:56	02/26/23 18:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/25/23 09:56	02/26/23 18:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/25/23 09:56	02/26/23 18:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			02/25/23 09:56	02/26/23 18:41	1
o-Terphenyl (Surr)	86		70 - 130			02/25/23 09:56	02/26/23 18:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2050		24.9	mg/Kg			02/27/23 00:40	5

Client Sample ID: S-15, 0-0.5

Lab Sample ID: 880-24991-37

Date Collected: 02/20/23 20:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/01/23 13:45	03/02/23 07:17	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/01/23 13:45	03/02/23 07:17	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/01/23 13:45	03/02/23 07:17	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		03/01/23 13:45	03/02/23 07:17	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/01/23 13:45	03/02/23 07:17	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/01/23 13:45	03/02/23 07:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			03/01/23 13:45	03/02/23 07:17	1
1,4-Difluorobenzene (Surr)	101		70 - 130			03/01/23 13:45	03/02/23 07:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/02/23 16:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/25/23 09:56	02/26/23 19:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/25/23 09:56	02/26/23 19:03	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-15, 0-0.5

Lab Sample ID: 880-24991-37

Date Collected: 02/20/23 20:00

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/25/23 09:56	02/26/23 19:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130			02/25/23 09:56	02/26/23 19:03	1
o-Terphenyl (Surr)	79		70 - 130			02/25/23 09:56	02/26/23 19:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3220		24.8	mg/Kg			02/27/23 00:46	5

Client Sample ID: S-15, 0.5-1

Lab Sample ID: 880-24991-38

Date Collected: 02/20/23 20:15

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/23 13:45	03/02/23 07:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/23 13:45	03/02/23 07:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/23 13:45	03/02/23 07:38	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		03/01/23 13:45	03/02/23 07:38	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/01/23 13:45	03/02/23 07:38	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/01/23 13:45	03/02/23 07:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			03/01/23 13:45	03/02/23 07:38	1
1,4-Difluorobenzene (Surr)	100		70 - 130			03/01/23 13:45	03/02/23 07:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/02/23 16:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 19:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 19:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 19:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130			02/25/23 09:56	02/26/23 19:25	1
o-Terphenyl (Surr)	81		70 - 130			02/25/23 09:56	02/26/23 19:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	255		4.98	mg/Kg			02/27/23 00:52	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-16, 0-0.5

Lab Sample ID: 880-24991-39

Date Collected: 02/20/23 20:30

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/01/23 13:45	03/02/23 07:58	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/01/23 13:45	03/02/23 07:58	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/01/23 13:45	03/02/23 07:58	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/01/23 13:45	03/02/23 07:58	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/01/23 13:45	03/02/23 07:58	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/01/23 13:45	03/02/23 07:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	03/01/23 13:45	03/02/23 07:58	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/01/23 13:45	03/02/23 07:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/02/23 16:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 19:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 19:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 19:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	02/25/23 09:56	02/26/23 19:47	1
o-Terphenyl (Surr)	92		70 - 130	02/25/23 09:56	02/26/23 19:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	715		4.99	mg/Kg			02/27/23 00:58	1

Client Sample ID: S-16, 0.5-1

Lab Sample ID: 880-24991-40

Date Collected: 02/20/23 20:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/01/23 13:45	03/02/23 08:18	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/01/23 13:45	03/02/23 08:18	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/01/23 13:45	03/02/23 08:18	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		03/01/23 13:45	03/02/23 08:18	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/01/23 13:45	03/02/23 08:18	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/01/23 13:45	03/02/23 08:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/01/23 13:45	03/02/23 08:18	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/01/23 13:45	03/02/23 08:18	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-16, 0.5-1

Lab Sample ID: 880-24991-40

Date Collected: 02/20/23 20:45

Matrix: Solid

Date Received: 02/21/23 09:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			03/02/23 16:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/27/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 20:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 20:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/23 09:56	02/26/23 20:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130			02/25/23 09:56	02/26/23 20:09	1
o-Terphenyl (Surr)	77		70 - 130			02/25/23 09:56	02/26/23 20:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	227		4.97	mg/Kg			02/27/23 01:04	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-24991-1	S-1, 0-0.5	109	91
880-24991-1 MS	S-1, 0-0.5	102	98
880-24991-1 MSD	S-1, 0-0.5	105	99
880-24991-2	S-1, 0.5-1	119	109
880-24991-3	S-2, 0-0.5	119	89
880-24991-4	S-2, 0.5-1	120	100
880-24991-5	S-3, 0-0.5	126	105
880-24991-6	S-3, 0.5-1	119	111
880-24991-7	S-4, 0-0.5	117	109
880-24991-8	S-4, 0.5-1	128	90
880-24991-9	S-5, 0-0.5	118	111
880-24991-10	S-5, 0.5-1	88	69 S1-
880-24991-11	S-6, 0-0.5	112	108
880-24991-11 MS	S-6, 0-0.5	115	104
880-24991-11 MSD	S-6, 0-0.5	113	111
880-24991-14	S-7, 0.5-1	130	114
880-24991-15	S-8, 0-0.5	115	109
880-24991-16	S-8, 0.5-1	111	106
880-24991-17	S-9, 0-0.5	115	111
880-24991-18	S-9, 0.5-1	121	108
880-24991-19	S-10, 0-0.5	119	106
880-24991-20	S-10, 0.5-1	113	110
880-24991-21	S-11, 0-0.5	111	109
880-24991-21 MS	S-11, 0-0.5	112	113
880-24991-21 MSD	S-11, 0-0.5	114	113
880-24991-22	S-11, 0.5-1	113	106
880-24991-23	South, 0-0.5	122	107
880-24991-24	Sout, 0.5-1	116	109
880-24991-25	West, 0-0.5	114	109
880-24991-26	West, 0.5-1	112	106
880-24991-27	East, 0-0.5	124	113
880-24991-28	East, 0.5-1	115	111
880-24991-29	North, 0-0.5	113	108
880-24991-30	North, 0.5-1	115	109
880-24991-31	S-12, 0-0.5	119	112
880-24991-32	S-12, 0.5-1	121	103
880-24991-33	S-13, 0-0.5	122	108
880-24991-34	S-13, 0.5-1	108	102
880-24991-35	S-14, 0-0.5	118	106
880-24991-36	S-14, 0.5-1	120	109
880-24991-37	S-15, 0-0.5	110	101
880-24991-38	S-15, 0.5-1	106	100
880-24991-39	S-16, 0-0.5	99	89
880-24991-40	S-16, 0.5-1	107	100
LCS 880-47337/1-A	Lab Control Sample	96	97
LCS 880-47338/1-A	Lab Control Sample	106	113
LCS 880-47541/1-A	Lab Control Sample	113	111
LCS 880-47713/1-A	Lab Control Sample	108	121
LCSD 880-47337/2-A	Lab Control Sample Dup	96	95

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-24991-1

Project/Site: Boyd X-Silverback

SDG: 23-0105-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCSD 880-47338/2-A	Lab Control Sample Dup	108	111
LCSD 880-47541/2-A	Lab Control Sample Dup	112	110
LCSD 880-47713/2-A	Lab Control Sample Dup	108	108
MB 880-47337/5-A	Method Blank	90	90
MB 880-47338/5-A	Method Blank	104	104
MB 880-47520/5-A	Method Blank	103	105
MB 880-47541/5-A	Method Blank	107	98
MB 880-47713/5-A	Method Blank	103	106
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-24991-1	S-1, 0-0.5	92	105
880-24991-1 MS	S-1, 0-0.5	127	133 S1+
880-24991-1 MSD	S-1, 0-0.5	114	116
880-24991-2	S-1, 0.5-1	114	131 S1+
880-24991-3	S-2, 0-0.5	119	132 S1+
880-24991-4	S-2, 0.5-1	99	112
880-24991-5	S-3, 0-0.5	92	104
880-24991-6	S-3, 0.5-1	99	111
880-24991-7	S-4, 0-0.5	97	109
880-24991-8	S-4, 0.5-1	103	115
880-24991-9	S-5, 0-0.5	97	112
880-24991-10	S-5, 0.5-1	109	123
880-24991-11	S-6, 0-0.5	100	114
880-24991-12	S-6, 0.5-1	92	106
880-24991-13	S-7, 0-0.5	100	114
880-24991-14	S-7, 0.5-1	97	112
880-24991-15	S-8, 0-0.5	90	102
880-24991-16	S-8, 0.5-1	99	112
880-24991-17	S-9, 0-0.5	102	113
880-24991-18	S-9, 0.5-1	97	111
880-24991-19	S-10, 0-0.5	95	108
880-24991-20	S-10, 0.5-1	92	105
880-24991-21	S-11, 0-0.5	86	89
880-24991-21 MS	S-11, 0-0.5	83	84
880-24991-21 MSD	S-11, 0-0.5	99	88
880-24991-22	S-11, 0.5-1	81	85
880-24991-23	South, 0-0.5	82	85
880-24991-24	Sout, 0.5-1	99	99
880-24991-25	West, 0-0.5	83	87
880-24991-26	West, 0.5-1	83	86
880-24991-27	East, 0-0.5	84	88
880-24991-28	East, 0.5-1	85	89

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-24991-1

Project/Site: Boyd X-Silverback

SDG: 23-0105-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)**Matrix: Solid****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-24991-29	North, 0-0.5	98	97
880-24991-30	North, 0.5-1	96	98
880-24991-31	S-12, 0-0.5	84	90
880-24991-32	S-12, 0.5-1	97	98
880-24991-33	S-13, 0-0.5	83	88
880-24991-34	S-13, 0.5-1	99	99
880-24991-35	S-14, 0-0.5	91	93
880-24991-36	S-14, 0.5-1	83	86
880-24991-37	S-15, 0-0.5	76	79
880-24991-38	S-15, 0.5-1	76	81
880-24991-39	S-16, 0-0.5	91	92
880-24991-40	S-16, 0.5-1	73	77
LCS 880-47229/2-A	Lab Control Sample	92	100
LCS 880-47230/2-A	Lab Control Sample	79	91
LCSD 880-47229/3-A	Lab Control Sample Dup	99	106
LCSD 880-47230/3-A	Lab Control Sample Dup	77	84
MB 880-47229/1-A	Method Blank	130	148 S1+
MB 880-47230/1-A	Method Blank	141 S1+	151 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-47337/5-A

Matrix: Solid

Analysis Batch: 47604

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47337

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 12:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 12:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 12:21	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/27/23 14:56	03/02/23 12:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:56	03/02/23 12:21	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/27/23 14:56	03/02/23 12:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	02/27/23 14:56	03/02/23 12:21	1
1,4-Difluorobenzene (Surr)	90		70 - 130	02/27/23 14:56	03/02/23 12:21	1

Lab Sample ID: LCS 880-47337/1-A

Matrix: Solid

Analysis Batch: 47604

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47337

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08626		mg/Kg		86	70 - 130
Toluene	0.100	0.08350		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.08090		mg/Kg		81	70 - 130
m,p-Xylenes	0.200	0.1643		mg/Kg		82	70 - 130
o-Xylene	0.100	0.08513		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-47337/2-A

Matrix: Solid

Analysis Batch: 47604

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47337

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09093		mg/Kg		91	70 - 130	5	35
Toluene	0.100	0.08768		mg/Kg		88	70 - 130	5	35
Ethylbenzene	0.100	0.08458		mg/Kg		85	70 - 130	4	35
m,p-Xylenes	0.200	0.1726		mg/Kg		86	70 - 130	5	35
o-Xylene	0.100	0.08927		mg/Kg		89	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-24991-1 MS

Matrix: Solid

Analysis Batch: 47604

Client Sample ID: S-1, 0-0.5

Prep Type: Total/NA

Prep Batch: 47337

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.07305		mg/Kg		73	70 - 130
Toluene	<0.00199	U F1	0.100	0.07101		mg/Kg		71	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-24991-1 MS

Matrix: Solid

Analysis Batch: 47604

Client Sample ID: S-1, 0-0.5

Prep Type: Total/NA

Prep Batch: 47337

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.100	0.06883	F1	mg/Kg		69	70 - 130
m,p-Xylenes	<0.00398	U F1	0.200	0.1395		mg/Kg		70	70 - 130
o-Xylene	<0.00199	U	0.100	0.07096		mg/Kg		71	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-24991-1 MSD

Matrix: Solid

Analysis Batch: 47604

Client Sample ID: S-1, 0-0.5

Prep Type: Total/NA

Prep Batch: 47337

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00199	U	0.0996	0.07129		mg/Kg		71	70 - 130	2	35
Toluene	<0.00199	U F1	0.0996	0.06909	F1	mg/Kg		69	70 - 130	3	35
Ethylbenzene	<0.00199	U F1	0.0996	0.06788	F1	mg/Kg		68	70 - 130	1	35
m,p-Xylenes	<0.00398	U F1	0.199	0.1379	F1	mg/Kg		69	70 - 130	1	35
o-Xylene	<0.00199	U	0.0996	0.07035		mg/Kg		71	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-47338/5-A

Matrix: Solid

Analysis Batch: 47605

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47338

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 13:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 13:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 13:30	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/27/23 14:58	03/02/23 13:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/27/23 14:58	03/02/23 13:30	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/27/23 14:58	03/02/23 13:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/27/23 14:58	03/02/23 13:30	1
1,4-Difluorobenzene (Surr)	104		70 - 130	02/27/23 14:58	03/02/23 13:30	1

Lab Sample ID: LCS 880-47338/1-A

Matrix: Solid

Analysis Batch: 47605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47338

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09745		mg/Kg		97	70 - 130
Toluene	0.100	0.09759		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1044		mg/Kg		104	70 - 130
m,p-Xylenes	0.200	0.2238		mg/Kg		112	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-47338/1-A

Matrix: Solid

Analysis Batch: 47605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47338

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1076		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-47338/2-A

Matrix: Solid

Analysis Batch: 47605

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47338

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1079		mg/Kg		108	70 - 130	10	35
Toluene	0.100	0.1077		mg/Kg		108	70 - 130	10	35
Ethylbenzene	0.100	0.1111		mg/Kg		111	70 - 130	6	35
m,p-Xylenes	0.200	0.2357		mg/Kg		118	70 - 130	5	35
o-Xylene	0.100	0.1140		mg/Kg		114	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-24991-21 MS

Matrix: Solid

Analysis Batch: 47605

Client Sample ID: S-11, 0-0.5

Prep Type: Total/NA

Prep Batch: 47338

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.09092		mg/Kg		91	70 - 130
Toluene	<0.00200	U	0.0998	0.08458		mg/Kg		84	70 - 130
Ethylbenzene	<0.00200	U F1	0.0998	0.08452		mg/Kg		85	70 - 130
m,p-Xylenes	<0.00400	U F1	0.200	0.1792		mg/Kg		90	70 - 130
o-Xylene	<0.00200	U F1	0.0998	0.08653		mg/Kg		86	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-24991-21 MSD

Matrix: Solid

Analysis Batch: 47605

Client Sample ID: S-11, 0-0.5

Prep Type: Total/NA

Prep Batch: 47338

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.08438		mg/Kg		84	70 - 130	7	35
Toluene	<0.00200	U	0.100	0.07257		mg/Kg		72	70 - 130	15	35
Ethylbenzene	<0.00200	U F1	0.100	0.06633	F1	mg/Kg		66	70 - 130	24	35
m,p-Xylenes	<0.00400	U F1	0.200	0.1376	F1	mg/Kg		69	70 - 130	26	35
o-Xylene	<0.00200	U F1	0.100	0.06877	F1	mg/Kg		68	70 - 130	23	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-24991-21 MSD

Matrix: Solid

Analysis Batch: 47605

Client Sample ID: S-11, 0-0.5

Prep Type: Total/NA

Prep Batch: 47338

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: MB 880-47520/5-A

Matrix: Solid

Analysis Batch: 47508

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47520

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/23 10:42	03/01/23 12:17	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/23 10:42	03/01/23 12:17	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/23 10:42	03/01/23 12:17	1	
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/01/23 10:42	03/01/23 12:17	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/01/23 10:42	03/01/23 12:17	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/01/23 10:42	03/01/23 12:17	1	

	MB	MB	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Prepared

03/01/23 10:42

03/01/23 12:17

1

Lab Sample ID: MB 880-47541/5-A

Matrix: Solid

Analysis Batch: 47508

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47541

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/23 13:45	03/01/23 23:53	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/23 13:45	03/01/23 23:53	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/23 13:45	03/01/23 23:53	1	
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/01/23 13:45	03/01/23 23:53	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/01/23 13:45	03/01/23 23:53	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/01/23 13:45	03/01/23 23:53	1	

	MB	MB	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Prepared

03/01/23 13:45

03/01/23 23:53

1

Lab Sample ID: LCS 880-47541/1-A

Matrix: Solid

Analysis Batch: 47508

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47541

Analyte	Spike	LCS	LCS						
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	
Benzene	0.100	0.1109		mg/Kg		111		70 - 130	
Toluene	0.100	0.1071		mg/Kg		107		70 - 130	
Ethylbenzene	0.100	0.1124		mg/Kg		112		70 - 130	
m,p-Xylenes	0.200	0.2414		mg/Kg		121		70 - 130	
o-Xylene	0.100	0.1173		mg/Kg		117		70 - 130	

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-47541/1-A

Matrix: Solid

Analysis Batch: 47508

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47541

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-47541/2-A

Matrix: Solid

Analysis Batch: 47508

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47541

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1089		mg/Kg		109	70 - 130	2	35
Toluene	0.100	0.1050		mg/Kg		105	70 - 130	2	35
Ethylbenzene	0.100	0.1107		mg/Kg		111	70 - 130	2	35
m,p-Xylenes	0.200	0.2381		mg/Kg		119	70 - 130	1	35
o-Xylene	0.100	0.1165		mg/Kg		116	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: MB 880-47713/5-A

Matrix: Solid

Analysis Batch: 47723

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47713

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/03/23 09:48	03/03/23 14:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/03/23 09:48	03/03/23 14:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/03/23 09:48	03/03/23 14:40	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/03/23 09:48	03/03/23 14:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/03/23 09:48	03/03/23 14:40	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/03/23 09:48	03/03/23 14:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/03/23 09:48	03/03/23 14:40	1
1,4-Difluorobenzene (Surr)	106		70 - 130	03/03/23 09:48	03/03/23 14:40	1

Lab Sample ID: LCS 880-47713/1-A

Matrix: Solid

Analysis Batch: 47723

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47713

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09079		mg/Kg		91	70 - 130
Toluene	0.100	0.09638		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130
m,p-Xylenes	0.200	0.2158		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1022		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-47713/1-A

Matrix: Solid

Analysis Batch: 47723

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47713

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	121		70 - 130

Lab Sample ID: LCSD 880-47713/2-A

Matrix: Solid

Analysis Batch: 47723

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47713

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1026		mg/Kg		103	70 - 130	12	35
Toluene			0.100	0.1042		mg/Kg		104	70 - 130	8	35
Ethylbenzene			0.100	0.1088		mg/Kg		109	70 - 130	6	35
m,p-Xylenes			0.200	0.2331		mg/Kg		117	70 - 130	8	35
o-Xylene			0.100	0.1112		mg/Kg		111	70 - 130	8	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-24991-11 MS

Matrix: Solid

Analysis Batch: 47723

Client Sample ID: S-6, 0-0.5

Prep Type: Total/NA

Prep Batch: 47713

	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Analyte											
Benzene	<0.00201	U	0.100	0.1037		mg/Kg		104	70 - 130		
Toluene	<0.00201	U	0.100	0.1145		mg/Kg		114	70 - 130		
Ethylbenzene	<0.00201	U	0.100	0.1208		mg/Kg		121	70 - 130		
m,p-Xylenes	<0.00402	U	0.200	0.2579		mg/Kg		129	70 - 130		
o-Xylene	<0.00201	U	0.100	0.1236		mg/Kg		123	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-24991-11 MSD

Matrix: Solid

Analysis Batch: 47723

Client Sample ID: S-6, 0-0.5

Prep Type: Total/NA

Prep Batch: 47713

	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Analyte											
Benzene	<0.00201	U	0.0996	0.1202		mg/Kg		121	70 - 130	15	35
Toluene	<0.00201	U	0.0996	0.1171		mg/Kg		118	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.0996	0.1216		mg/Kg		122	70 - 130	1	35
m,p-Xylenes	<0.00402	U	0.199	0.2596		mg/Kg		130	70 - 130	1	35
o-Xylene	<0.00201	U	0.0996	0.1245		mg/Kg		125	70 - 130	1	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-47229/1-A

Matrix: Solid

Analysis Batch: 47219

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47229

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/25/23 20:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/25/23 20:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/23 09:52	02/25/23 20:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	130		70 - 130	02/25/23 09:52	02/25/23 20:13	1
o-Terphenyl (Surr)	148	S1+	70 - 130	02/25/23 09:52	02/25/23 20:13	1

Lab Sample ID: LCS 880-47229/2-A

Matrix: Solid

Analysis Batch: 47219

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47229

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	892.7		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	942.4		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	92		70 - 130
o-Terphenyl (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-47229/3-A

Matrix: Solid

Analysis Batch: 47219

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47229

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1095		mg/Kg		110	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	1000	1022		mg/Kg		102	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	106		70 - 130

Lab Sample ID: 880-24991-1 MS

Matrix: Solid

Analysis Batch: 47219

Client Sample ID: S-1, 0-0.5

Prep Type: Total/NA

Prep Batch: 47229

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1159		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1212		mg/Kg		119	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-24991-1 MS

Matrix: Solid

Analysis Batch: 47219

Client Sample ID: S-1, 0-0.5

Prep Type: Total/NA

Prep Batch: 47229

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	127		70 - 130
o-Terphenyl (Surr)	133	S1+	70 - 130

Lab Sample ID: 880-24991-1 MSD

Matrix: Solid

Analysis Batch: 47219

Client Sample ID: S-1, 0-0.5

Prep Type: Total/NA

Prep Batch: 47229

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1009		mg/Kg		98	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1070		mg/Kg		105	70 - 130	12	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	114		70 - 130
o-Terphenyl (Surr)	116		70 - 130

Lab Sample ID: MB 880-47230/1-A

Matrix: Solid

Analysis Batch: 47239

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47230

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 08:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 08:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/23 09:56	02/26/23 08:53	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	141	S1+	70 - 130	02/25/23 09:56	02/26/23 08:53	1
o-Terphenyl (Surr)	151	S1+	70 - 130	02/25/23 09:56	02/26/23 08:53	1

Lab Sample ID: LCS 880-47230/2-A

Matrix: Solid

Analysis Batch: 47239

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47230

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	852.3		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	832.0		mg/Kg		83	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	79		70 - 130
o-Terphenyl (Surr)	91		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-47230/3-A

Matrix: Solid

Analysis Batch: 47239

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47230

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	785.9		mg/Kg		79	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	760.9		mg/Kg		76	70 - 130	9	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	77		70 - 130						
o-Terphenyl (Surr)	84		70 - 130						

Lab Sample ID: 880-24991-21 MS

Matrix: Solid

Analysis Batch: 47239

Client Sample ID: S-11, 0-0.5

Prep Type: Total/NA

Prep Batch: 47230

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	857.7		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	735.4		mg/Kg		71	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	83		70 - 130								
o-Terphenyl (Surr)	84		70 - 130								

Lab Sample ID: 880-24991-21 MSD

Matrix: Solid

Analysis Batch: 47239

Client Sample ID: S-11, 0-0.5

Prep Type: Total/NA

Prep Batch: 47230

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	857.1		mg/Kg		84	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	774.8		mg/Kg		75	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	99		70 - 130								
o-Terphenyl (Surr)	88		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47099/1-A

Matrix: Solid

Analysis Batch: 47301

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			02/26/23 18:24	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-47099/2-A

Matrix: Solid

Analysis Batch: 47301

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	233.0		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-47099/3-A

Matrix: Solid

Analysis Batch: 47301

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	233.5		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-24991-1 MS

Matrix: Solid

Analysis Batch: 47301

Client Sample ID: S-1, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	13100	F1	12500	28670	F1	mg/Kg		124	90 - 110

Lab Sample ID: 880-24991-1 MSD

Matrix: Solid

Analysis Batch: 47301

Client Sample ID: S-1, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	13100	F1	12500	28210	F1	mg/Kg		121	90 - 110	2	20

Lab Sample ID: 880-24991-11 MS

Matrix: Solid

Analysis Batch: 47301

Client Sample ID: S-6, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	13400	F1	12500	28100	F1	mg/Kg		118	90 - 110

Lab Sample ID: 880-24991-11 MSD

Matrix: Solid

Analysis Batch: 47301

Client Sample ID: S-6, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	13400	F1	12500	28040	F1	mg/Kg		118	90 - 110	0	20

Lab Sample ID: MB 880-47100/1-A

Matrix: Solid

Analysis Batch: 47302

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			02/26/23 22:00	1

Lab Sample ID: LCS 880-47100/2-A

Matrix: Solid

Analysis Batch: 47302

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.8		mg/Kg		96	90 - 110

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-47100/3-A

Matrix: Solid

Analysis Batch: 47302

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.8		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-24991-21 MS

Matrix: Solid

Analysis Batch: 47302

Client Sample ID: S-11, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12000	F1	5020	17730	F1	mg/Kg		114	90 - 110		

Lab Sample ID: 880-24991-21 MSD

Matrix: Solid

Analysis Batch: 47302

Client Sample ID: S-11, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12000	F1	5020	17620	F1	mg/Kg		111	90 - 110	1	20

Lab Sample ID: 880-24991-31 MS

Matrix: Solid

Analysis Batch: 47302

Client Sample ID: S-12, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12200	F1	4970	18180	F1	mg/Kg		119	90 - 110		

Lab Sample ID: 880-24991-31 MSD

Matrix: Solid

Analysis Batch: 47302

Client Sample ID: S-12, 0-0.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12200	F1	4970	18090	F1	mg/Kg		118	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

GC VOA

Prep Batch: 47337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-1	S-1, 0-0.5	Total/NA	Solid	5035	
880-24991-2	S-1, 0.5-1	Total/NA	Solid	5035	
880-24991-3	S-2, 0-0.5	Total/NA	Solid	5035	
880-24991-4	S-2, 0.5-1	Total/NA	Solid	5035	
880-24991-5	S-3, 0-0.5	Total/NA	Solid	5035	
880-24991-6	S-3, 0.5-1	Total/NA	Solid	5035	
880-24991-7	S-4, 0-0.5	Total/NA	Solid	5035	
880-24991-8	S-4, 0.5-1	Total/NA	Solid	5035	
880-24991-9	S-5, 0-0.5	Total/NA	Solid	5035	
880-24991-10	S-5, 0.5-1	Total/NA	Solid	5035	
MB 880-47337/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47337/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47337/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24991-1 MS	S-1, 0-0.5	Total/NA	Solid	5035	
880-24991-1 MSD	S-1, 0-0.5	Total/NA	Solid	5035	

Prep Batch: 47338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-21	S-11, 0-0.5	Total/NA	Solid	5035	
880-24991-22	S-11, 0.5-1	Total/NA	Solid	5035	
880-24991-23	South, 0-0.5	Total/NA	Solid	5035	
880-24991-24	Sout, 0.5-1	Total/NA	Solid	5035	
880-24991-25	West, 0-0.5	Total/NA	Solid	5035	
880-24991-26	West, 0.5-1	Total/NA	Solid	5035	
880-24991-27	East, 0-0.5	Total/NA	Solid	5035	
880-24991-28	East, 0.5-1	Total/NA	Solid	5035	
880-24991-29	North, 0-0.5	Total/NA	Solid	5035	
880-24991-30	North, 0.5-1	Total/NA	Solid	5035	
880-24991-31	S-12, 0-0.5	Total/NA	Solid	5035	
MB 880-47338/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47338/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47338/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24991-21 MS	S-11, 0-0.5	Total/NA	Solid	5035	
880-24991-21 MSD	S-11, 0-0.5	Total/NA	Solid	5035	

Analysis Batch: 47508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-32	S-12, 0.5-1	Total/NA	Solid	8021B	47541
880-24991-33	S-13, 0-0.5	Total/NA	Solid	8021B	47541
880-24991-34	S-13, 0.5-1	Total/NA	Solid	8021B	47541
880-24991-35	S-14, 0-0.5	Total/NA	Solid	8021B	47541
880-24991-36	S-14, 0.5-1	Total/NA	Solid	8021B	47541
880-24991-37	S-15, 0-0.5	Total/NA	Solid	8021B	47541
880-24991-38	S-15, 0.5-1	Total/NA	Solid	8021B	47541
880-24991-39	S-16, 0-0.5	Total/NA	Solid	8021B	47541
880-24991-40	S-16, 0.5-1	Total/NA	Solid	8021B	47541
MB 880-47520/5-A	Method Blank	Total/NA	Solid	8021B	47520
MB 880-47541/5-A	Method Blank	Total/NA	Solid	8021B	47541
LCS 880-47541/1-A	Lab Control Sample	Total/NA	Solid	8021B	47541
LCSD 880-47541/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47541

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

GC VOA

Prep Batch: 47520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-47520/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 47541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-32	S-12, 0.5-1	Total/NA	Solid	5035	
880-24991-33	S-13, 0-0.5	Total/NA	Solid	5035	
880-24991-34	S-13, 0.5-1	Total/NA	Solid	5035	
880-24991-35	S-14, 0-0.5	Total/NA	Solid	5035	
880-24991-36	S-14, 0.5-1	Total/NA	Solid	5035	
880-24991-37	S-15, 0-0.5	Total/NA	Solid	5035	
880-24991-38	S-15, 0.5-1	Total/NA	Solid	5035	
880-24991-39	S-16, 0-0.5	Total/NA	Solid	5035	
880-24991-40	S-16, 0.5-1	Total/NA	Solid	5035	
MB 880-47541/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47541/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47541/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 47604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-1	S-1, 0-0.5	Total/NA	Solid	8021B	47337
880-24991-2	S-1, 0.5-1	Total/NA	Solid	8021B	47337
880-24991-3	S-2, 0-0.5	Total/NA	Solid	8021B	47337
880-24991-4	S-2, 0.5-1	Total/NA	Solid	8021B	47337
880-24991-5	S-3, 0-0.5	Total/NA	Solid	8021B	47337
880-24991-6	S-3, 0.5-1	Total/NA	Solid	8021B	47337
880-24991-7	S-4, 0-0.5	Total/NA	Solid	8021B	47337
880-24991-8	S-4, 0.5-1	Total/NA	Solid	8021B	47337
880-24991-9	S-5, 0-0.5	Total/NA	Solid	8021B	47337
880-24991-10	S-5, 0.5-1	Total/NA	Solid	8021B	47337
MB 880-47337/5-A	Method Blank	Total/NA	Solid	8021B	47337
LCS 880-47337/1-A	Lab Control Sample	Total/NA	Solid	8021B	47337
LCSD 880-47337/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47337
880-24991-1 MS	S-1, 0-0.5	Total/NA	Solid	8021B	47337
880-24991-1 MSD	S-1, 0-0.5	Total/NA	Solid	8021B	47337

Analysis Batch: 47605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-21	S-11, 0-0.5	Total/NA	Solid	8021B	47338
880-24991-22	S-11, 0.5-1	Total/NA	Solid	8021B	47338
880-24991-23	South, 0-0.5	Total/NA	Solid	8021B	47338
880-24991-24	Sout, 0.5-1	Total/NA	Solid	8021B	47338
880-24991-25	West, 0-0.5	Total/NA	Solid	8021B	47338
880-24991-26	West, 0.5-1	Total/NA	Solid	8021B	47338
880-24991-27	East, 0-0.5	Total/NA	Solid	8021B	47338
880-24991-28	East, 0.5-1	Total/NA	Solid	8021B	47338
880-24991-29	North, 0-0.5	Total/NA	Solid	8021B	47338
880-24991-30	North,0.5-1	Total/NA	Solid	8021B	47338
880-24991-31	S-12, 0-0.5	Total/NA	Solid	8021B	47338
MB 880-47338/5-A	Method Blank	Total/NA	Solid	8021B	47338
LCS 880-47338/1-A	Lab Control Sample	Total/NA	Solid	8021B	47338
LCSD 880-47338/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47338

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

GC VOA (Continued)

Analysis Batch: 47605 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-21 MS	S-11, 0-0.5	Total/NA	Solid	8021B	47338
880-24991-21 MSD	S-11, 0-0.5	Total/NA	Solid	8021B	47338

Analysis Batch: 47660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-1	S-1, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-2	S-1, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-3	S-2, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-4	S-2, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-5	S-3, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-6	S-3, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-7	S-4, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-8	S-4, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-9	S-5, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-10	S-5, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-11	S-6, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-14	S-7, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-15	S-8, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-16	S-8, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-17	S-9, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-18	S-9, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-19	S-10, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-20	S-10, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-21	S-11, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-22	S-11, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-23	South, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-24	Sout, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-25	West, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-26	West, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-27	East, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-28	East, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-29	North, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-30	North, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-31	S-12, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-32	S-12, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-33	S-13, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-34	S-13, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-35	S-14, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-36	S-14, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-37	S-15, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-38	S-15, 0.5-1	Total/NA	Solid	Total BTEX	
880-24991-39	S-16, 0-0.5	Total/NA	Solid	Total BTEX	
880-24991-40	S-16, 0.5-1	Total/NA	Solid	Total BTEX	

Prep Batch: 47713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-11	S-6, 0-0.5	Total/NA	Solid	5035	
880-24991-14	S-7, 0.5-1	Total/NA	Solid	5035	
880-24991-15	S-8, 0-0.5	Total/NA	Solid	5035	
880-24991-16	S-8, 0.5-1	Total/NA	Solid	5035	
880-24991-17	S-9, 0-0.5	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

GC VOA (Continued)

Prep Batch: 47713 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-18	S-9, 0.5-1	Total/NA	Solid	5035	
880-24991-19	S-10, 0-0.5	Total/NA	Solid	5035	
880-24991-20	S-10, 0.5-1	Total/NA	Solid	5035	
MB 880-47713/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47713/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47713/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24991-11 MS	S-6, 0-0.5	Total/NA	Solid	5035	
880-24991-11 MSD	S-6, 0-0.5	Total/NA	Solid	5035	

Analysis Batch: 47723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-11	S-6, 0-0.5	Total/NA	Solid	8021B	47713
880-24991-14	S-7, 0.5-1	Total/NA	Solid	8021B	47713
880-24991-15	S-8, 0-0.5	Total/NA	Solid	8021B	47713
880-24991-16	S-8, 0.5-1	Total/NA	Solid	8021B	47713
880-24991-17	S-9, 0-0.5	Total/NA	Solid	8021B	47713
880-24991-18	S-9, 0.5-1	Total/NA	Solid	8021B	47713
880-24991-19	S-10, 0-0.5	Total/NA	Solid	8021B	47713
880-24991-20	S-10, 0.5-1	Total/NA	Solid	8021B	47713
MB 880-47713/5-A	Method Blank	Total/NA	Solid	8021B	47713
LCS 880-47713/1-A	Lab Control Sample	Total/NA	Solid	8021B	47713
LCSD 880-47713/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47713
880-24991-11 MS	S-6, 0-0.5	Total/NA	Solid	8021B	47713
880-24991-11 MSD	S-6, 0-0.5	Total/NA	Solid	8021B	47713

GC Semi VOA

Analysis Batch: 47219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-1	S-1, 0-0.5	Total/NA	Solid	8015B NM	47229
880-24991-2	S-1, 0.5-1	Total/NA	Solid	8015B NM	47229
880-24991-3	S-2, 0-0.5	Total/NA	Solid	8015B NM	47229
880-24991-4	S-2, 0.5-1	Total/NA	Solid	8015B NM	47229
880-24991-5	S-3, 0-0.5	Total/NA	Solid	8015B NM	47229
880-24991-6	S-3, 0.5-1	Total/NA	Solid	8015B NM	47229
880-24991-7	S-4, 0-0.5	Total/NA	Solid	8015B NM	47229
880-24991-8	S-4, 0.5-1	Total/NA	Solid	8015B NM	47229
880-24991-9	S-5, 0-0.5	Total/NA	Solid	8015B NM	47229
880-24991-10	S-5, 0.5-1	Total/NA	Solid	8015B NM	47229
880-24991-11	S-6, 0-0.5	Total/NA	Solid	8015B NM	47229
880-24991-12	S-6, 0.5-1	Total/NA	Solid	8015B NM	47229
880-24991-13	S-7, 0-0.5	Total/NA	Solid	8015B NM	47229
880-24991-14	S-7, 0.5-1	Total/NA	Solid	8015B NM	47229
880-24991-15	S-8, 0-0.5	Total/NA	Solid	8015B NM	47229
880-24991-16	S-8, 0.5-1	Total/NA	Solid	8015B NM	47229
880-24991-17	S-9, 0-0.5	Total/NA	Solid	8015B NM	47229
880-24991-18	S-9, 0.5-1	Total/NA	Solid	8015B NM	47229
880-24991-19	S-10, 0-0.5	Total/NA	Solid	8015B NM	47229
880-24991-20	S-10, 0.5-1	Total/NA	Solid	8015B NM	47229
MB 880-47229/1-A	Method Blank	Total/NA	Solid	8015B NM	47229
LCS 880-47229/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47229

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

GC Semi VOA (Continued)

Analysis Batch: 47219 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-47229/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47229
880-24991-1 MS	S-1, 0-0.5	Total/NA	Solid	8015B NM	47229
880-24991-1 MSD	S-1, 0-0.5	Total/NA	Solid	8015B NM	47229

Prep Batch: 47229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-1	S-1, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-2	S-1, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-3	S-2, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-4	S-2, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-5	S-3, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-6	S-3, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-7	S-4, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-8	S-4, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-9	S-5, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-10	S-5, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-11	S-6, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-12	S-6, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-13	S-7, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-14	S-7, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-15	S-8, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-16	S-8, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-17	S-9, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-18	S-9, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-19	S-10, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-20	S-10, 0.5-1	Total/NA	Solid	8015NM Prep	
MB 880-47229/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47229/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47229/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24991-1 MS	S-1, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-1 MSD	S-1, 0-0.5	Total/NA	Solid	8015NM Prep	

Prep Batch: 47230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-21	S-11, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-22	S-11, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-23	South, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-24	Sout, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-25	West, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-26	West, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-27	East, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-28	East, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-29	North, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-30	North, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-31	S-12, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-32	S-12, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-33	S-13, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-34	S-13, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-35	S-14, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-36	S-14, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-37	S-15, 0-0.5	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

GC Semi VOA (Continued)

Prep Batch: 47230 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-38	S-15, 0.5-1	Total/NA	Solid	8015NM Prep	
880-24991-39	S-16, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-40	S-16, 0.5-1	Total/NA	Solid	8015NM Prep	
MB 880-47230/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47230/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47230/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24991-21 MS	S-11, 0-0.5	Total/NA	Solid	8015NM Prep	
880-24991-21 MSD	S-11, 0-0.5	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-21	S-11, 0-0.5	Total/NA	Solid	8015B NM	47230
880-24991-22	S-11, 0.5-1	Total/NA	Solid	8015B NM	47230
880-24991-23	South, 0-0.5	Total/NA	Solid	8015B NM	47230
880-24991-24	Sout, 0.5-1	Total/NA	Solid	8015B NM	47230
880-24991-25	West, 0-0.5	Total/NA	Solid	8015B NM	47230
880-24991-26	West, 0.5-1	Total/NA	Solid	8015B NM	47230
880-24991-27	East, 0-0.5	Total/NA	Solid	8015B NM	47230
880-24991-28	East, 0.5-1	Total/NA	Solid	8015B NM	47230
880-24991-29	North, 0-0.5	Total/NA	Solid	8015B NM	47230
880-24991-30	North,0.5-1	Total/NA	Solid	8015B NM	47230
880-24991-31	S-12, 0-0.5	Total/NA	Solid	8015B NM	47230
880-24991-32	S-12, 0.5-1	Total/NA	Solid	8015B NM	47230
880-24991-33	S-13, 0-0.5	Total/NA	Solid	8015B NM	47230
880-24991-34	S-13, 0.5-1	Total/NA	Solid	8015B NM	47230
880-24991-35	S-14, 0-0.5	Total/NA	Solid	8015B NM	47230
880-24991-36	S-14, 0.5-1	Total/NA	Solid	8015B NM	47230
880-24991-37	S-15, 0-0.5	Total/NA	Solid	8015B NM	47230
880-24991-38	S-15, 0.5-1	Total/NA	Solid	8015B NM	47230
880-24991-39	S-16, 0-0.5	Total/NA	Solid	8015B NM	47230
880-24991-40	S-16, 0.5-1	Total/NA	Solid	8015B NM	47230
MB 880-47230/1-A	Method Blank	Total/NA	Solid	8015B NM	47230
LCS 880-47230/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47230
LCSD 880-47230/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47230
880-24991-21 MS	S-11, 0-0.5	Total/NA	Solid	8015B NM	47230
880-24991-21 MSD	S-11, 0-0.5	Total/NA	Solid	8015B NM	47230

Analysis Batch: 47328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-1	S-1, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-2	S-1, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-3	S-2, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-4	S-2, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-5	S-3, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-6	S-3, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-7	S-4, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-8	S-4, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-9	S-5, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-10	S-5, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-11	S-6, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-12	S-6, 0.5-1	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

GC Semi VOA (Continued)

Analysis Batch: 47328 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-13	S-7, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-14	S-7, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-15	S-8, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-16	S-8, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-17	S-9, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-18	S-9, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-19	S-10, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-20	S-10, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-21	S-11, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-22	S-11, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-23	South, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-24	Sout, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-25	West, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-26	West, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-27	East, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-28	East, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-29	North, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-30	North,0.5-1	Total/NA	Solid	8015 NM	
880-24991-31	S-12, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-32	S-12, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-33	S-13, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-34	S-13, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-35	S-14, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-36	S-14, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-37	S-15, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-38	S-15, 0.5-1	Total/NA	Solid	8015 NM	
880-24991-39	S-16, 0-0.5	Total/NA	Solid	8015 NM	
880-24991-40	S-16, 0.5-1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 47099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-1	S-1, 0-0.5	Soluble	Solid	DI Leach	
880-24991-2	S-1, 0.5-1	Soluble	Solid	DI Leach	
880-24991-3	S-2, 0-0.5	Soluble	Solid	DI Leach	
880-24991-4	S-2, 0.5-1	Soluble	Solid	DI Leach	
880-24991-5	S-3, 0-0.5	Soluble	Solid	DI Leach	
880-24991-6	S-3, 0.5-1	Soluble	Solid	DI Leach	
880-24991-7	S-4, 0-0.5	Soluble	Solid	DI Leach	
880-24991-8	S-4, 0.5-1	Soluble	Solid	DI Leach	
880-24991-9	S-5, 0-0.5	Soluble	Solid	DI Leach	
880-24991-10	S-5, 0.5-1	Soluble	Solid	DI Leach	
880-24991-11	S-6, 0-0.5	Soluble	Solid	DI Leach	
880-24991-12	S-6, 0.5-1	Soluble	Solid	DI Leach	
880-24991-13	S-7, 0-0.5	Soluble	Solid	DI Leach	
880-24991-14	S-7, 0.5-1	Soluble	Solid	DI Leach	
880-24991-15	S-8, 0-0.5	Soluble	Solid	DI Leach	
880-24991-16	S-8, 0.5-1	Soluble	Solid	DI Leach	
880-24991-17	S-9, 0-0.5	Soluble	Solid	DI Leach	
880-24991-18	S-9, 0.5-1	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

HPLC/IC (Continued)

Leach Batch: 47099 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-19	S-10, 0-0.5	Soluble	Solid	DI Leach	
880-24991-20	S-10, 0.5-1	Soluble	Solid	DI Leach	
MB 880-47099/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47099/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47099/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24991-1 MS	S-1, 0-0.5	Soluble	Solid	DI Leach	
880-24991-1 MSD	S-1, 0-0.5	Soluble	Solid	DI Leach	
880-24991-11 MS	S-6, 0-0.5	Soluble	Solid	DI Leach	
880-24991-11 MSD	S-6, 0-0.5	Soluble	Solid	DI Leach	

Leach Batch: 47100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-21	S-11, 0-0.5	Soluble	Solid	DI Leach	
880-24991-22	S-11, 0.5-1	Soluble	Solid	DI Leach	
880-24991-23	South, 0-0.5	Soluble	Solid	DI Leach	
880-24991-24	Sout, 0.5-1	Soluble	Solid	DI Leach	
880-24991-25	West, 0-0.5	Soluble	Solid	DI Leach	
880-24991-26	West, 0.5-1	Soluble	Solid	DI Leach	
880-24991-27	East, 0-0.5	Soluble	Solid	DI Leach	
880-24991-28	East, 0.5-1	Soluble	Solid	DI Leach	
880-24991-29	North, 0-0.5	Soluble	Solid	DI Leach	
880-24991-30	North, 0.5-1	Soluble	Solid	DI Leach	
880-24991-31	S-12, 0-0.5	Soluble	Solid	DI Leach	
880-24991-32	S-12, 0.5-1	Soluble	Solid	DI Leach	
880-24991-33	S-13, 0-0.5	Soluble	Solid	DI Leach	
880-24991-34	S-13, 0.5-1	Soluble	Solid	DI Leach	
880-24991-35	S-14, 0-0.5	Soluble	Solid	DI Leach	
880-24991-36	S-14, 0.5-1	Soluble	Solid	DI Leach	
880-24991-37	S-15, 0-0.5	Soluble	Solid	DI Leach	
880-24991-38	S-15, 0.5-1	Soluble	Solid	DI Leach	
880-24991-39	S-16, 0-0.5	Soluble	Solid	DI Leach	
880-24991-40	S-16, 0.5-1	Soluble	Solid	DI Leach	
MB 880-47100/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47100/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47100/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24991-21 MS	S-11, 0-0.5	Soluble	Solid	DI Leach	
880-24991-21 MSD	S-11, 0-0.5	Soluble	Solid	DI Leach	
880-24991-31 MS	S-12, 0-0.5	Soluble	Solid	DI Leach	
880-24991-31 MSD	S-12, 0-0.5	Soluble	Solid	DI Leach	

Analysis Batch: 47301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-1	S-1, 0-0.5	Soluble	Solid	300.0	47099
880-24991-2	S-1, 0.5-1	Soluble	Solid	300.0	47099
880-24991-3	S-2, 0-0.5	Soluble	Solid	300.0	47099
880-24991-4	S-2, 0.5-1	Soluble	Solid	300.0	47099
880-24991-5	S-3, 0-0.5	Soluble	Solid	300.0	47099
880-24991-6	S-3, 0.5-1	Soluble	Solid	300.0	47099
880-24991-7	S-4, 0-0.5	Soluble	Solid	300.0	47099
880-24991-8	S-4, 0.5-1	Soluble	Solid	300.0	47099
880-24991-9	S-5, 0-0.5	Soluble	Solid	300.0	47099

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

HPLC/IC (Continued)

Analysis Batch: 47301 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-10	S-5, 0.5-1	Soluble	Solid	300.0	47099
880-24991-11	S-6, 0-0.5	Soluble	Solid	300.0	47099
880-24991-12	S-6, 0.5-1	Soluble	Solid	300.0	47099
880-24991-13	S-7, 0-0.5	Soluble	Solid	300.0	47099
880-24991-14	S-7, 0.5-1	Soluble	Solid	300.0	47099
880-24991-15	S-8, 0-0.5	Soluble	Solid	300.0	47099
880-24991-16	S-8, 0.5-1	Soluble	Solid	300.0	47099
880-24991-17	S-9, 0-0.5	Soluble	Solid	300.0	47099
880-24991-18	S-9, 0.5-1	Soluble	Solid	300.0	47099
880-24991-19	S-10, 0-0.5	Soluble	Solid	300.0	47099
880-24991-20	S-10, 0.5-1	Soluble	Solid	300.0	47099
MB 880-47099/1-A	Method Blank	Soluble	Solid	300.0	47099
LCS 880-47099/2-A	Lab Control Sample	Soluble	Solid	300.0	47099
LCSD 880-47099/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47099
880-24991-1 MS	S-1, 0-0.5	Soluble	Solid	300.0	47099
880-24991-1 MSD	S-1, 0-0.5	Soluble	Solid	300.0	47099
880-24991-11 MS	S-6, 0-0.5	Soluble	Solid	300.0	47099
880-24991-11 MSD	S-6, 0-0.5	Soluble	Solid	300.0	47099

Analysis Batch: 47302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24991-21	S-11, 0-0.5	Soluble	Solid	300.0	47100
880-24991-22	S-11, 0.5-1	Soluble	Solid	300.0	47100
880-24991-23	South, 0-0.5	Soluble	Solid	300.0	47100
880-24991-24	Sout, 0.5-1	Soluble	Solid	300.0	47100
880-24991-25	West, 0-0.5	Soluble	Solid	300.0	47100
880-24991-26	West, 0.5-1	Soluble	Solid	300.0	47100
880-24991-27	East, 0-0.5	Soluble	Solid	300.0	47100
880-24991-28	East, 0.5-1	Soluble	Solid	300.0	47100
880-24991-29	North, 0-0.5	Soluble	Solid	300.0	47100
880-24991-30	North, 0.5-1	Soluble	Solid	300.0	47100
880-24991-31	S-12, 0-0.5	Soluble	Solid	300.0	47100
880-24991-32	S-12, 0.5-1	Soluble	Solid	300.0	47100
880-24991-33	S-13, 0-0.5	Soluble	Solid	300.0	47100
880-24991-34	S-13, 0.5-1	Soluble	Solid	300.0	47100
880-24991-35	S-14, 0-0.5	Soluble	Solid	300.0	47100
880-24991-36	S-14, 0.5-1	Soluble	Solid	300.0	47100
880-24991-37	S-15, 0-0.5	Soluble	Solid	300.0	47100
880-24991-38	S-15, 0.5-1	Soluble	Solid	300.0	47100
880-24991-39	S-16, 0-0.5	Soluble	Solid	300.0	47100
880-24991-40	S-16, 0.5-1	Soluble	Solid	300.0	47100
MB 880-47100/1-A	Method Blank	Soluble	Solid	300.0	47100
LCS 880-47100/2-A	Lab Control Sample	Soluble	Solid	300.0	47100
LCSD 880-47100/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47100
880-24991-21 MS	S-11, 0-0.5	Soluble	Solid	300.0	47100
880-24991-21 MSD	S-11, 0-0.5	Soluble	Solid	300.0	47100
880-24991-31 MS	S-12, 0-0.5	Soluble	Solid	300.0	47100
880-24991-31 MSD	S-12, 0-0.5	Soluble	Solid	300.0	47100

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-1, 0-0.5

Lab Sample ID: 880-24991-1

Date Collected: 02/20/23 11:00

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47337	02/27/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47604	03/02/23 12:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/25/23 21:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		50			47301	02/26/23 18:43	CH	EET MID

Client Sample ID: S-1, 0.5-1

Lab Sample ID: 880-24991-2

Date Collected: 02/20/23 11:15

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47337	02/27/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47604	03/02/23 13:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/25/23 22:22	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		10			47301	02/26/23 19:01	CH	EET MID

Client Sample ID: S-2, 0-0.5

Lab Sample ID: 880-24991-3

Date Collected: 02/20/23 11:30

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47337	02/27/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47604	03/02/23 13:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/25/23 22:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		20			47301	02/26/23 19:07	CH	EET MID

Client Sample ID: S-2, 0.5-1

Lab Sample ID: 880-24991-4

Date Collected: 02/20/23 11:45

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47337	02/27/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47604	03/02/23 13:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-2, 0.5-1**Lab Sample ID: 880-24991-4****Date Collected: 02/20/23 11:45****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/25/23 23:06	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		5			47301	02/26/23 19:14	CH	EET MID

Client Sample ID: S-3, 0-0.5**Lab Sample ID: 880-24991-5****Date Collected: 02/20/23 12:00****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47337	02/27/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47604	03/02/23 14:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/25/23 23:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		20			47301	02/26/23 19:20	CH	EET MID

Client Sample ID: S-3, 0.5-1**Lab Sample ID: 880-24991-6****Date Collected: 02/20/23 12:15****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47337	02/27/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47604	03/02/23 14:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/25/23 23:49	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		5			47301	02/26/23 19:38	CH	EET MID

Client Sample ID: S-4, 0-0.5**Lab Sample ID: 880-24991-7****Date Collected: 02/20/23 12:30****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47337	02/27/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47604	03/02/23 14:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/26/23 00:11	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-4, 0-0.5**Lab Sample ID: 880-24991-7****Date Collected: 02/20/23 12:30****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		20			47301	02/26/23 19:44	CH	EET MID

Client Sample ID: S-4, 0.5-1**Lab Sample ID: 880-24991-8****Date Collected: 02/20/23 12:45****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47337	02/27/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47604	03/02/23 15:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/26/23 00:32	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		10			47301	02/26/23 19:50	CH	EET MID

Client Sample ID: S-5, 0-0.5**Lab Sample ID: 880-24991-9****Date Collected: 02/20/23 13:00****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47337	02/27/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47604	03/02/23 15:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/26/23 00:54	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		20			47301	02/26/23 19:57	CH	EET MID

Client Sample ID: S-5, 0.5-1**Lab Sample ID: 880-24991-10****Date Collected: 02/20/23 13:15****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47337	02/27/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47604	03/02/23 16:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/26/23 01:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		1			47301	02/26/23 20:03	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-6, 0-0.5

Lab Sample ID: 880-24991-11

Date Collected: 02/20/23 13:30

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 15:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/26/23 01:58	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		50			47301	02/26/23 20:09	CH	EET MID

Client Sample ID: S-6, 0.5-1

Lab Sample ID: 880-24991-12

Date Collected: 02/20/23 13:45

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/26/23 02:20	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		10			47301	02/26/23 20:27	CH	EET MID

Client Sample ID: S-7, 0-0.5

Lab Sample ID: 880-24991-13

Date Collected: 02/20/23 14:00

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/26/23 02:42	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		50			47301	02/26/23 20:33	CH	EET MID

Client Sample ID: S-7, 0.5-1

Lab Sample ID: 880-24991-14

Date Collected: 02/20/23 14:15

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/26/23 03:03	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		5			47301	02/26/23 20:52	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-8, 0-0.5**Lab Sample ID: 880-24991-15****Date Collected: 02/20/23 14:30****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 17:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/26/23 03:25	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		20			47301	02/26/23 20:58	CH	EET MID

Client Sample ID: S-8, 0.5-1**Lab Sample ID: 880-24991-16****Date Collected: 02/20/23 14:45****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/26/23 03:47	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		20			47301	02/26/23 21:04	CH	EET MID

Client Sample ID: S-9, 0-0.5**Lab Sample ID: 880-24991-17****Date Collected: 02/20/23 15:00****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 18:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/26/23 04:08	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		10			47301	02/26/23 21:10	CH	EET MID

Client Sample ID: S-9, 0.5-1**Lab Sample ID: 880-24991-18****Date Collected: 02/20/23 15:15****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/06/23 14:37	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-9, 0.5-1**Lab Sample ID: 880-24991-18****Date Collected: 02/20/23 15:15****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/26/23 04:30	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		5			47301	02/26/23 21:17	CH	EET MID

Client Sample ID: S-10, 0-0.5**Lab Sample ID: 880-24991-19****Date Collected: 02/20/23 15:30****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 19:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/26/23 04:52	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		20			47301	02/26/23 21:23	CH	EET MID

Client Sample ID: S-10, 0.5-1**Lab Sample ID: 880-24991-20****Date Collected: 02/20/23 15:45****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 19:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 15:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47229	02/25/23 09:52	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47219	02/26/23 05:13	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47099	02/23/23 15:17	KS	EET MID
Soluble	Analysis	300.0		1			47301	02/26/23 21:29	CH	EET MID

Client Sample ID: S-11, 0-0.5**Lab Sample ID: 880-24991-21****Date Collected: 02/20/23 16:00****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	47338	02/27/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47605	03/02/23 13:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/02/23 18:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 12:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-11, 0-0.5

Lab Sample ID: 880-24991-21

Date Collected: 02/20/23 16:00

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		20			47302	02/26/23 22:18	CH	EET MID

Client Sample ID: S-11, 0.5-1

Lab Sample ID: 880-24991-22

Date Collected: 02/20/23 16:15

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47338	02/27/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47605	03/02/23 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/02/23 18:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 13:09	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		10			47302	02/26/23 22:37	CH	EET MID

Client Sample ID: South, 0-0.5

Lab Sample ID: 880-24991-23

Date Collected: 02/20/23 16:30

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47338	02/27/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47605	03/02/23 17:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 13:31	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		1			47302	02/26/23 22:43	CH	EET MID

Client Sample ID: Sout, 0.5-1

Lab Sample ID: 880-24991-24

Date Collected: 02/20/23 16:45

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	47338	02/27/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47605	03/02/23 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 13:54	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		1			47302	02/26/23 22:49	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: West, 0-0.5

Lab Sample ID: 880-24991-25

Date Collected: 02/20/23 17:00

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47338	02/27/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47605	03/02/23 19:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 14:16	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		1			47302	02/26/23 22:55	CH	EET MID

Client Sample ID: West, 0.5-1

Lab Sample ID: 880-24991-26

Date Collected: 02/20/23 17:15

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47338	02/27/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47605	03/02/23 19:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 14:38	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		1			47302	02/26/23 23:14	CH	EET MID

Client Sample ID: East, 0-0.5

Lab Sample ID: 880-24991-27

Date Collected: 02/20/23 17:30

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47338	02/27/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47605	03/02/23 20:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 15:00	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		1			47302	02/26/23 23:20	CH	EET MID

Client Sample ID: East, 0.5-1

Lab Sample ID: 880-24991-28

Date Collected: 02/20/23 17:45

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47338	02/27/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47605	03/02/23 20:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:22	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: East, 0.5-1**Lab Sample ID: 880-24991-28****Date Collected: 02/20/23 17:45****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 15:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		1			47302	02/26/23 23:26	CH	EET MID

Client Sample ID: North, 0-0.5**Lab Sample ID: 880-24991-29****Date Collected: 02/20/23 18:00****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47338	02/27/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47605	03/02/23 20:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 15:44	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		1			47302	02/26/23 23:32	CH	EET MID

Client Sample ID: North,0.5-1**Lab Sample ID: 880-24991-30****Date Collected: 02/20/23 18:15****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47338	02/27/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47605	03/02/23 21:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 16:06	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		1			47302	02/26/23 23:38	CH	EET MID

Client Sample ID: S-12, 0-0.5**Lab Sample ID: 880-24991-31****Date Collected: 02/20/23 18:30****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47338	02/27/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47605	03/02/23 21:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/03/23 13:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 16:50	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-12, 0-0.5**Lab Sample ID: 880-24991-31****Date Collected: 02/20/23 18:30****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		20			47302	02/26/23 23:44	CH	EET MID

Client Sample ID: S-12, 0.5-1**Lab Sample ID: 880-24991-32****Date Collected: 02/20/23 18:45****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47541	03/01/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47508	03/02/23 05:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/02/23 16:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 17:12	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		10			47302	02/27/23 00:03	CH	EET MID

Client Sample ID: S-13, 0-0.5**Lab Sample ID: 880-24991-33****Date Collected: 02/20/23 19:00****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	47541	03/01/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47508	03/02/23 05:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/02/23 16:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 17:35	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		20			47302	02/27/23 00:09	CH	EET MID

Client Sample ID: S-13, 0.5-1**Lab Sample ID: 880-24991-34****Date Collected: 02/20/23 19:15****Matrix: Solid****Date Received: 02/21/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47541	03/01/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47508	03/02/23 06:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/02/23 16:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 17:56	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		5			47302	02/27/23 00:27	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-14, 0-0.5

Lab Sample ID: 880-24991-35

Date Collected: 02/20/23 19:30

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47541	03/01/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47508	03/02/23 06:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/02/23 16:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 18:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		20			47302	02/27/23 00:34	CH	EET MID

Client Sample ID: S-14, 0.5-1

Lab Sample ID: 880-24991-36

Date Collected: 02/20/23 19:45

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	47541	03/01/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47508	03/02/23 06:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/02/23 16:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 18:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		5			47302	02/27/23 00:40	CH	EET MID

Client Sample ID: S-15, 0-0.5

Lab Sample ID: 880-24991-37

Date Collected: 02/20/23 20:00

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47541	03/01/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47508	03/02/23 07:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/02/23 16:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 19:03	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		5			47302	02/27/23 00:46	CH	EET MID

Client Sample ID: S-15, 0.5-1

Lab Sample ID: 880-24991-38

Date Collected: 02/20/23 20:15

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47541	03/01/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47508	03/02/23 07:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/02/23 16:30	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Client Sample ID: S-15, 0.5-1

Lab Sample ID: 880-24991-38

Date Collected: 02/20/23 20:15

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 19:25	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		1			47302	02/27/23 00:52	CH	EET MID

Client Sample ID: S-16, 0-0.5

Lab Sample ID: 880-24991-39

Date Collected: 02/20/23 20:30

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47541	03/01/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47508	03/02/23 07:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/02/23 16:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 19:47	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		1			47302	02/27/23 00:58	CH	EET MID

Client Sample ID: S-16, 0.5-1

Lab Sample ID: 880-24991-40

Date Collected: 02/20/23 20:45

Matrix: Solid

Date Received: 02/21/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	47541	03/01/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47508	03/02/23 08:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47660	03/02/23 16:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			47328	02/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47230	02/25/23 09:56	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47239	02/26/23 20:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47100	02/23/23 15:18	KS	EET MID
Soluble	Analysis	300.0		1			47302	02/27/23 01:04	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:
ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Boyd X-Silverback

Job ID: 880-24991-1
SDG: 23-0105-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24991-1	S-1, 0-0.5	Solid	02/20/23 11:00	02/21/23 09:00
880-24991-2	S-1, 0.5-1	Solid	02/20/23 11:15	02/21/23 09:00
880-24991-3	S-2, 0-0.5	Solid	02/20/23 11:30	02/21/23 09:00
880-24991-4	S-2, 0.5-1	Solid	02/20/23 11:45	02/21/23 09:00
880-24991-5	S-3, 0-0.5	Solid	02/20/23 12:00	02/21/23 09:00
880-24991-6	S-3, 0.5-1	Solid	02/20/23 12:15	02/21/23 09:00
880-24991-7	S-4, 0-0.5	Solid	02/20/23 12:30	02/21/23 09:00
880-24991-8	S-4, 0.5-1	Solid	02/20/23 12:45	02/21/23 09:00
880-24991-9	S-5, 0-0.5	Solid	02/20/23 13:00	02/21/23 09:00
880-24991-10	S-5, 0.5-1	Solid	02/20/23 13:15	02/21/23 09:00
880-24991-11	S-6, 0-0.5	Solid	02/20/23 13:30	02/21/23 09:00
880-24991-12	S-6, 0.5-1	Solid	02/20/23 13:45	02/21/23 09:00
880-24991-13	S-7, 0-0.5	Solid	02/20/23 14:00	02/21/23 09:00
880-24991-14	S-7, 0.5-1	Solid	02/20/23 14:15	02/21/23 09:00
880-24991-15	S-8, 0-0.5	Solid	02/20/23 14:30	02/21/23 09:00
880-24991-16	S-8, 0.5-1	Solid	02/20/23 14:45	02/21/23 09:00
880-24991-17	S-9, 0-0.5	Solid	02/20/23 15:00	02/21/23 09:00
880-24991-18	S-9, 0.5-1	Solid	02/20/23 15:15	02/21/23 09:00
880-24991-19	S-10, 0-0.5	Solid	02/20/23 15:30	02/21/23 09:00
880-24991-20	S-10, 0.5-1	Solid	02/20/23 15:45	02/21/23 09:00
880-24991-21	S-11, 0-0.5	Solid	02/20/23 16:00	02/21/23 09:00
880-24991-22	S-11, 0.5-1	Solid	02/20/23 16:15	02/21/23 09:00
880-24991-23	South, 0-0.5	Solid	02/20/23 16:30	02/21/23 09:00
880-24991-24	Sout, 0.5-1	Solid	02/20/23 16:45	02/21/23 09:00
880-24991-25	West, 0-0.5	Solid	02/20/23 17:00	02/21/23 09:00
880-24991-26	West, 0.5-1	Solid	02/20/23 17:15	02/21/23 09:00
880-24991-27	East, 0-0.5	Solid	02/20/23 17:30	02/21/23 09:00
880-24991-28	East, 0.5-1	Solid	02/20/23 17:45	02/21/23 09:00
880-24991-29	North, 0-0.5	Solid	02/20/23 18:00	02/21/23 09:00
880-24991-30	North,0.5-1	Solid	02/20/23 18:15	02/21/23 09:00
880-24991-31	S-12, 0-0.5	Solid	02/20/23 18:30	02/21/23 09:00
880-24991-32	S-12, 0.5-1	Solid	02/20/23 18:45	02/21/23 09:00
880-24991-33	S-13, 0-0.5	Solid	02/20/23 19:00	02/21/23 09:00
880-24991-34	S-13, 0.5-1	Solid	02/20/23 19:15	02/21/23 09:00
880-24991-35	S-14, 0-0.5	Solid	02/20/23 19:30	02/21/23 09:00
880-24991-36	S-14, 0.5-1	Solid	02/20/23 19:45	02/21/23 09:00
880-24991-37	S-15, 0-0.5	Solid	02/20/23 20:00	02/21/23 09:00
880-24991-38	S-15, 0.5-1	Solid	02/20/23 20:15	02/21/23 09:00
880-24991-39	S-16, 0-0.5	Solid	02/20/23 20:30	02/21/23 09:00
880-24991-40	S-16, 0.5-1	Solid	02/20/23 20:45	02/21/23 09:00

No. 2877
JSTODY
(Rev. 1-1-64)

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No. 2878
CHAIN-OF-CUSTODY

3/8/2023 (Rev. 1)

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-24991-1

SDG Number: 23-0105-01

Login Number: 24991

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Location: New Mexico
Lab Order Number: 3D06018



Current Certification

Report Date: 04/20/23

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S1 @ 1'	3D06018-01	Soil	04/04/23 08:30	04-06-2023 09:05
S1 @ 3'	3D06018-02	Soil	04/04/23 08:31	04-06-2023 09:05
S1 @ 5'	3D06018-03	Soil	04/04/23 08:32	04-06-2023 09:05
S1 @ 10'	3D06018-04	Soil	04/04/23 08:33	04-06-2023 09:05
S1 @ 15'	3D06018-05	Soil	04/04/23 08:34	04-06-2023 09:05
S2 @ 1'	3D06018-06	Soil	04/04/23 08:45	04-06-2023 09:05
S2 @ 3'	3D06018-07	Soil	04/04/23 08:46	04-06-2023 09:05
S2 @ 5'	3D06018-08	Soil	04/04/23 08:47	04-06-2023 09:05
S2 @ 10'	3D06018-09	Soil	04/04/23 08:48	04-06-2023 09:05
S2 @ 15'	3D06018-10	Soil	04/04/23 08:49	04-06-2023 09:05
S7 @ 1'	3D06018-11	Soil	04/04/23 09:00	04-06-2023 09:05
S7 @ 3'	3D06018-12	Soil	04/04/23 09:01	04-06-2023 09:05
S7 @ 5'	3D06018-13	Soil	04/04/23 09:02	04-06-2023 09:05
S7 @ 10'	3D06018-14	Soil	04/04/23 09:03	04-06-2023 09:05
S5 @ 1'	3D06018-15	Soil	04/04/23 09:30	04-06-2023 09:05
S5 @ 3'	3D06018-16	Soil	04/04/23 09:31	04-06-2023 09:05
S5 @ 5'	3D06018-17	Soil	04/04/23 09:32	04-06-2023 09:05
S5 @ 10'	3D06018-18	Soil	04/04/23 09:33	04-06-2023 09:05
S3 @ 1'	3D06018-19	Soil	04/04/23 09:45	04-06-2023 09:05
S3 @ 3'	3D06018-20	Soil	04/04/23 09:50	04-06-2023 09:05
S3 @ 5'	3D06018-21	Soil	04/04/23 09:55	04-06-2023 09:05
S3 @ 10'	3D06018-22	Soil	04/04/23 10:00	04-06-2023 09:05
S3 @ 15'	3D06018-23	Soil	04/04/23 10:05	04-06-2023 09:05
S4 @ 1'	3D06018-24	Soil	04/04/23 10:30	04-06-2023 09:05
S4 @ 3'	3D06018-25	Soil	04/04/23 10:35	04-06-2023 09:05
S4 @ 5'	3D06018-26	Soil	04/04/23 10:40	04-06-2023 09:05
S4 @ 10'	3D06018-27	Soil	04/04/23 10:45	04-06-2023 09:05
S6 @ 1'	3D06018-28	Soil	04/04/23 11:15	04-06-2023 09:05
S6 @ 3'	3D06018-29	Soil	04/04/23 11:20	04-06-2023 09:05
S6 @ 5'	3D06018-30	Soil	04/04/23 11:25	04-06-2023 09:05
S6 @ 10'	3D06018-31	Soil	04/04/23 11:30	04-06-2023 09:05
S11 @ 1'	3D06018-32	Soil	04/04/23 12:00	04-06-2023 09:05
S11 @ 3'	3D06018-33	Soil	04/04/23 12:05	04-06-2023 09:05
S11 @ 5'	3D06018-34	Soil	04/04/23 12:10	04-06-2023 09:05

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S11 @ 10'	3D06018-35	Soil	04/04/23 12:15	04-06-2023 09:05
S10 @ 1'	3D06018-36	Soil	04/04/23 12:45	04-06-2023 09:05
S10 @ 3'	3D06018-37	Soil	04/04/23 13:00	04-06-2023 09:05
S10 @ 5'	3D06018-38	Soil	04/04/23 13:05	04-06-2023 09:05
S10 @ 10'	3D06018-39	Soil	04/04/23 13:10	04-06-2023 09:05
S8 @ 1'	3D06018-40	Soil	04/04/23 13:30	04-06-2023 09:05
S8 @ 3'	3D06018-41	Soil	04/04/23 13:35	04-06-2023 09:05
S8 @ 5'	3D06018-42	Soil	04/04/23 13:40	04-06-2023 09:05
S8 @ 10'	3D06018-43	Soil	04/04/23 13:45	04-06-2023 09:05
S9 @ 1'	3D06018-44	Soil	04/04/23 14:15	04-06-2023 09:05
S9 @ 3'	3D06018-45	Soil	04/04/23 14:20	04-06-2023 09:05
S9 @ 5'	3D06018-46	Soil	04/04/23 14:25	04-06-2023 09:05
S9 @ 10'	3D06018-47	Soil	04/04/23 14:30	04-06-2023 09:05
S12 @ 1'	3D06018-48	Soil	04/05/23 09:00	04-06-2023 09:05
S12 @ 3'	3D06018-49	Soil	04/05/23 09:05	04-06-2023 09:05
S12 @ 5'	3D06018-50	Soil	04/05/23 09:10	04-06-2023 09:05
S12 @ 10'	3D06018-51	Soil	04/05/23 09:15	04-06-2023 09:05
S12 @ 15'	3D06018-52	Soil	04/05/23 09:25	04-06-2023 09:05
S13 @ 1'	3D06018-53	Soil	04/05/23 09:45	04-06-2023 09:05
S13 @ 3'	3D06018-54	Soil	04/05/23 09:50	04-06-2023 09:05
S13 @ 5'	3D06018-55	Soil	04/05/23 09:55	04-06-2023 09:05
S13 @ 10'	3D06018-56	Soil	04/05/23 10:00	04-06-2023 09:05
S14 @ 1'	3D06018-57	Soil	04/05/23 10:30	04-06-2023 09:05
S14 @ 3'	3D06018-58	Soil	04/05/23 10:35	04-06-2023 09:05
S14 @ 5'	3D06018-59	Soil	04/05/23 10:40	04-06-2023 09:05
S14 @ 10'	3D06018-60	Soil	04/05/23 10:45	04-06-2023 09:05
S14 @ 15'	3D06018-61	Soil	04/05/23 11:15	04-06-2023 09:05

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.	Project: Boyd X Silverback
P.O. Box 50685	Project Number: 23-0105-01
Midland TX, 79710	Project Manager: Mark Larson

S1 @ 1'
3D06018-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B									
Benzene	ND	0.00114	mg/kg dry	1	P3D1206	04/12/23 14:36	04/13/23 00:51	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P3D1206	04/12/23 14:36	04/13/23 00:51	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P3D1206	04/12/23 14:36	04/13/23 00:51	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P3D1206	04/12/23 14:36	04/13/23 00:51	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P3D1206	04/12/23 14:36	04/13/23 00:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	62.1 %		80-120		P3D1206	04/12/23 14:36	04/13/23 00:51	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	119 %		80-120		P3D1206	04/12/23 14:36	04/13/23 00:51	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.4	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 17:56	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 17:56	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 17:56	TPH 8015M	
Surrogate: 1-Chlorooctane	85.3 %		70-130		P3D1105	04/11/23 11:45	04/15/23 17:56	TPH 8015M	
Surrogate: o-Terphenyl	97.1 %		70-130		P3D1105	04/11/23 11:45	04/15/23 17:56	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	04/11/23 11:45	04/15/23 17:56	calc	

General Chemistry Parameters by EPA / Standard Methods									
Chloride	5700	5.68	mg/kg dry	5	P3D0807	04/08/23 20:16	04/14/23 12:51	EPA 300.0	
% Moisture	12.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S1 @ 3'
3D06018-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 03:39	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 03:39	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 03:39	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 03:39	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 03:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.5 %		80-120		P3D1207	04/12/23 14:42	04/13/23 03:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.9 %		80-120		P3D1207	04/12/23 14:42	04/13/23 03:39	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 18:21	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 18:21	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 18:21	TPH 8015M	
Surrogate: 1-Chlorooctane	82.6 %		70-130		P3D1105	04/11/23 11:45	04/15/23 18:21	TPH 8015M	
Surrogate: o-Terphenyl	95.3 %		70-130		P3D1105	04/11/23 11:45	04/15/23 18:21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	04/11/23 11:45	04/15/23 18:21	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	890	1.12	mg/kg dry	1	P3D0807	04/08/23 20:16	04/14/23 13:12	EPA 300.0	
% Moisture	11.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S1 @ 5'
3D06018-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 04:01	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 04:01	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 04:01	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 04:01	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 04:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.5 %		80-120		P3D1207	04/12/23 14:42	04/13/23 04:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.5 %		80-120		P3D1207	04/12/23 14:42	04/13/23 04:01	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 19:37	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 19:37	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 19:37	TPH 8015M	
Surrogate: 1-Chlorooctane	82.8 %		70-130		P3D1105	04/11/23 11:45	04/15/23 19:37	TPH 8015M	
Surrogate: o-Terphenyl	93.2 %		70-130		P3D1105	04/11/23 11:45	04/15/23 19:37	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	04/11/23 11:45	04/15/23 19:37	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	566	1.12	mg/kg dry	1	P3D0807	04/08/23 20:16	04/14/23 14:14	EPA 300.0	
% Moisture	11.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S1 @ 10'
3D06018-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 04:22	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 04:22	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 04:22	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 04:22	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 04:22	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.9 %		80-120		P3D1207	04/12/23 14:42	04/13/23 04:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.4 %		80-120		P3D1207	04/12/23 14:42	04/13/23 04:22	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 20:02	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 20:02	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 20:02	TPH 8015M	
Surrogate: 1-Chlorooctane	82.9 %		70-130		P3D1105	04/11/23 11:45	04/15/23 20:02	TPH 8015M	
Surrogate: o-Terphenyl	94.8 %		70-130		P3D1105	04/11/23 11:45	04/15/23 20:02	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	04/11/23 11:45	04/15/23 20:02	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	502	1.16	mg/kg dry	1	P3D0807	04/08/23 20:16	04/14/23 14:34	EPA 300.0	
% Moisture	14.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S1 @ 15'
3D06018-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 04:43	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 04:43	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 04:43	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 04:43	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 04:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.2 %		80-120		P3D1207	04/12/23 14:42	04/13/23 04:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.2 %		80-120		P3D1207	04/12/23 14:42	04/13/23 04:43	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 20:27	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 20:27	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 20:27	TPH 8015M	
Surrogate: 1-Chlorooctane	93.5 %		70-130		P3D1105	04/11/23 11:45	04/15/23 20:27	TPH 8015M	
Surrogate: o-Terphenyl	104 %		70-130		P3D1105	04/11/23 11:45	04/15/23 20:27	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	04/11/23 11:45	04/15/23 20:27	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	493	5.81	mg/kg dry	5	P3D0807	04/08/23 20:16	04/14/23 14:55	EPA 300.0	
% Moisture	14.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.	Project: Boyd X Silverback
P.O. Box 50685	Project Number: 23-0105-01
Midland TX, 79710	Project Manager: Mark Larson

S2 @ 1'

3D06018-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEx by 8021B									
Benzene	ND	0.00116	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 05:05	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 05:05	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 05:05	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 05:05	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 05:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.8 %		80-120		P3D1207	04/12/23 14:42	04/13/23 05:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.9 %		80-120		P3D1207	04/12/23 14:42	04/13/23 05:05	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	29.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 20:52	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 20:52	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 20:52	TPH 8015M	
Surrogate: 1-Chlorooctane	82.9 %		70-130		P3D1105	04/11/23 11:45	04/15/23 20:52	TPH 8015M	
Surrogate: o-Terphenyl	95.6 %		70-130		P3D1105	04/11/23 11:45	04/15/23 20:52	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	04/11/23 11:45	04/15/23 20:52	calc	

General Chemistry Parameters by EPA / Standard Methods									
Chloride	7530	5.81	mg/kg dry	5	P3D0807	04/08/23 20:16	04/14/23 15:15	EPA 300.0	
% Moisture	14.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S2 @ 3'
3D06018-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 05:26	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 05:26	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 05:26	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 05:26	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 05:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.0 %		80-120		P3D1207	04/12/23 14:42	04/13/23 05:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.9 %		80-120		P3D1207	04/12/23 14:42	04/13/23 05:26	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 21:17	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 21:17	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 21:17	TPH 8015M	
Surrogate: 1-Chlorooctane	83.1 %		70-130		P3D1105	04/11/23 11:45	04/15/23 21:17	TPH 8015M	
Surrogate: o-Terphenyl	95.5 %		70-130		P3D1105	04/11/23 11:45	04/15/23 21:17	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/11/23 11:45	04/15/23 21:17	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	695	1.11	mg/kg dry	1	P3D0807	04/08/23 20:16	04/14/23 15:36	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S2 @ 5'
3D06018-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 05:48	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 05:48	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 05:48	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 05:48	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 05:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.0 %		80-120		P3D1207	04/12/23 14:42	04/13/23 05:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.8 %		80-120		P3D1207	04/12/23 14:42	04/13/23 05:48	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 21:42	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 21:42	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 21:42	TPH 8015M	
Surrogate: 1-Chlorooctane	84.7 %		70-130		P3D1105	04/11/23 11:45	04/15/23 21:42	TPH 8015M	
Surrogate: o-Terphenyl	96.8 %		70-130		P3D1105	04/11/23 11:45	04/15/23 21:42	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/11/23 11:45	04/15/23 21:42	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	242	1.11	mg/kg dry	1	P3D0807	04/08/23 20:16	04/14/23 15:56	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S2 @ 10'
3D06018-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 06:09	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 06:09	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 06:09	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 06:09	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 06:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.8 %		80-120		P3D1207	04/12/23 14:42	04/13/23 06:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.7 %		80-120		P3D1207	04/12/23 14:42	04/13/23 06:09	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 22:08	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 22:08	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 22:08	TPH 8015M	
Surrogate: 1-Chlorooctane	83.9 %		70-130		P3D1105	04/11/23 11:45	04/15/23 22:08	TPH 8015M	
Surrogate: o-Terphenyl	94.9 %		70-130		P3D1105	04/11/23 11:45	04/15/23 22:08	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/11/23 11:45	04/15/23 22:08	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	417	1.11	mg/kg dry	1	P3D0807	04/08/23 20:16	04/14/23 16:17	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S2 @ 15'
3D06018-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 06:31	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 06:31	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 06:31	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 06:31	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 06:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.9 %		80-120		P3D1207	04/12/23 14:42	04/13/23 06:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.6 %		80-120		P3D1207	04/12/23 14:42	04/13/23 06:31	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 22:35	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 22:35	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 22:35	TPH 8015M	
Surrogate: 1-Chlorooctane	79.5 %		70-130		P3D1105	04/11/23 11:45	04/15/23 22:35	TPH 8015M	
Surrogate: o-Terphenyl	91.7 %		70-130		P3D1105	04/11/23 11:45	04/15/23 22:35	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	04/11/23 11:45	04/15/23 22:35	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	138	1.14	mg/kg dry	1	P3D0807	04/08/23 20:16	04/14/23 16:37	EPA 300.0	
% Moisture	12.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S7 @ 1'
3D06018-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 06:52	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 06:52	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 06:52	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 06:52	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 06:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	106 %		80-120		P3D1207	04/12/23 14:42	04/13/23 06:52	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P3D1207	04/12/23 14:42	04/13/23 06:52	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 23:02	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 23:02	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 23:02	TPH 8015M	
Surrogate: 1-Chlorooctane	80.3 %		70-130		P3D1105	04/11/23 11:45	04/15/23 23:02	TPH 8015M	
Surrogate: o-Terphenyl	91.4 %		70-130		P3D1105	04/11/23 11:45	04/15/23 23:02	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	04/11/23 11:45	04/15/23 23:02	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	17300	28.1	mg/kg dry	25	P3D0807	04/08/23 20:16	04/14/23 16:58	EPA 300.0	
% Moisture	11.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S7 @ 3'
3D06018-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 07:57	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 07:57	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 07:57	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 07:57	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 07:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.2 %		80-120		P3D1207	04/12/23 14:42	04/13/23 07:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.2 %		80-120		P3D1207	04/12/23 14:42	04/13/23 07:57	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 23:29	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 23:29	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1105	04/11/23 11:45	04/15/23 23:29	TPH 8015M	
Surrogate: 1-Chlorooctane	79.3 %		70-130		P3D1105	04/11/23 11:45	04/15/23 23:29	TPH 8015M	
Surrogate: o-Terphenyl	91.4 %		70-130		P3D1105	04/11/23 11:45	04/15/23 23:29	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/11/23 11:45	04/15/23 23:29	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2240	1.11	mg/kg dry	1	P3D0807	04/08/23 20:16	04/14/23 17:59	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S7 @ 5'
3D06018-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 08:18	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 08:18	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 08:18	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 08:18	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 08:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.5 %		80-120		P3D1207	04/12/23 14:42	04/13/23 08:18	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.1 %		80-120		P3D1207	04/12/23 14:42	04/13/23 08:18	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 18:38	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 18:38	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 18:38	TPH 8015M	
Surrogate: 1-Chlorooctane	79.2 %		70-130		P3D1108	04/11/23 14:00	04/15/23 18:38	TPH 8015M	
Surrogate: o-Terphenyl	92.8 %		70-130		P3D1108	04/11/23 14:00	04/15/23 18:38	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/11/23 14:00	04/15/23 18:38	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	31.6	1.11	mg/kg dry	1	P3D1310	04/16/23 15:00	04/16/23 15:56	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S7 @ 10'
3D06018-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00120	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 08:39	EPA 8021B	
Toluene	ND	0.00120	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 08:39	EPA 8021B	
Ethylbenzene	ND	0.00120	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 08:39	EPA 8021B	
Xylene (p/m)	ND	0.00241	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 08:39	EPA 8021B	
Xylene (o)	ND	0.00120	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 08:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.8 %		80-120		P3D1207	04/12/23 14:42	04/13/23 08:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.7 %		80-120		P3D1207	04/12/23 14:42	04/13/23 08:39	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	30.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 19:00	TPH 8015M	
>C12-C28	ND	30.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 19:00	TPH 8015M	
>C28-C35	ND	30.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 19:00	TPH 8015M	
Surrogate: 1-Chlorooctane	89.1 %		70-130		P3D1108	04/11/23 14:00	04/15/23 19:00	TPH 8015M	
Surrogate: o-Terphenyl	100 %		70-130		P3D1108	04/11/23 14:00	04/15/23 19:00	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	30.1	mg/kg dry	1	[CALC]	04/11/23 14:00	04/15/23 19:00	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	18.1	1.20	mg/kg dry	1	P3D1310	04/16/23 15:00	04/17/23 10:08	EPA 300.0	
% Moisture	17.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S5 @ 1'
3D06018-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 09:00	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 09:00	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 09:00	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 09:00	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 09:00	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.8 %		80-120		P3D1207	04/12/23 14:42	04/13/23 09:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	90.8 %		80-120		P3D1207	04/12/23 14:42	04/13/23 09:00	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 19:23	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 19:23	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 19:23	TPH 8015M	
Surrogate: 1-Chlorooctane	73.8 %		70-130		P3D1108	04/11/23 14:00	04/15/23 19:23	TPH 8015M	
Surrogate: o-Terphenyl	82.2 %		70-130		P3D1108	04/11/23 14:00	04/15/23 19:23	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/11/23 14:00	04/15/23 19:23	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7850	11.1	mg/kg dry	10	P3D1310	04/16/23 15:00	04/16/23 16:37	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S5 @ 3'
3D06018-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 09:21	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 09:21	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 09:21	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 09:21	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 09:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	90.5 %		80-120		P3D1207	04/12/23 14:42	04/13/23 09:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.6 %		80-120		P3D1207	04/12/23 14:42	04/13/23 09:21	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 19:45	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 19:45	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 19:45	TPH 8015M	
Surrogate: 1-Chlorooctane	82.7 %		70-130		P3D1108	04/11/23 14:00	04/15/23 19:45	TPH 8015M	
Surrogate: o-Terphenyl	90.4 %		70-130		P3D1108	04/11/23 14:00	04/15/23 19:45	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/11/23 14:00	04/15/23 19:45	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	70.3	1.11	mg/kg dry	1	P3D1310	04/16/23 15:00	04/16/23 17:39	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S5 @ 5'
3D06018-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 09:42	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 09:42	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 09:42	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 09:42	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 09:42	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.5 %		80-120		P3D1207	04/12/23 14:42	04/13/23 09:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.6 %		80-120		P3D1207	04/12/23 14:42	04/13/23 09:42	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 20:07	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 20:07	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 20:07	TPH 8015M	
Surrogate: 1-Chlorooctane	82.8 %		70-130		P3D1108	04/11/23 14:00	04/15/23 20:07	TPH 8015M	
Surrogate: o-Terphenyl	91.9 %		70-130		P3D1108	04/11/23 14:00	04/15/23 20:07	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/11/23 14:00	04/15/23 20:07	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	42.8	1.11	mg/kg dry	1	P3D1310	04/16/23 15:00	04/16/23 17:59	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S5 @ 10'
3D06018-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 10:03	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 10:03	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 10:03	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 10:03	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 10:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.7 %		80-120		P3D1207	04/12/23 14:42	04/13/23 10:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.1 %		80-120		P3D1207	04/12/23 14:42	04/13/23 10:03	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 20:30	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 20:30	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 20:30	TPH 8015M	
Surrogate: 1-Chlorooctane	87.1 %		70-130		P3D1108	04/11/23 14:00	04/15/23 20:30	TPH 8015M	
Surrogate: o-Terphenyl	98.4 %		70-130		P3D1108	04/11/23 14:00	04/15/23 20:30	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	04/11/23 14:00	04/15/23 20:30	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	13.0	1.09	mg/kg dry	1	P3D1310	04/16/23 15:00	04/16/23 18:20	EPA 300.0	
% Moisture	8.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S3 @ 1'
3D06018-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 10:23	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 10:23	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 10:23	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 10:23	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 10:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	90.9 %		80-120		P3D1207	04/12/23 14:42	04/13/23 10:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P3D1207	04/12/23 14:42	04/13/23 10:23	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 20:52	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 20:52	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 20:52	TPH 8015M	
Surrogate: 1-Chlorooctane	86.1 %		70-130		P3D1108	04/11/23 14:00	04/15/23 20:52	TPH 8015M	
Surrogate: o-Terphenyl	96.8 %		70-130		P3D1108	04/11/23 14:00	04/15/23 20:52	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	04/11/23 14:00	04/15/23 20:52	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	79.7	1.09	mg/kg dry	1	P3D1310	04/16/23 15:00	04/16/23 18:40	EPA 300.0	
% Moisture	8.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S3 @ 3'
3D06018-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 10:44	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 10:44	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 10:44	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 10:44	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 10:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.8 %		80-120		P3D1207	04/12/23 14:42	04/13/23 10:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	91.4 %		80-120		P3D1207	04/12/23 14:42	04/13/23 10:44	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 21:14	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 21:14	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 21:14	TPH 8015M	
Surrogate: 1-Chlorooctane	78.3 %		70-130		P3D1108	04/11/23 14:00	04/15/23 21:14	TPH 8015M	
Surrogate: o-Terphenyl	87.0 %		70-130		P3D1108	04/11/23 14:00	04/15/23 21:14	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	04/11/23 14:00	04/15/23 21:14	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3440	5.62	mg/kg dry	5	P3D1310	04/16/23 15:00	04/16/23 19:01	EPA 300.0	
% Moisture	11.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.	Project: Boyd X Silverback
P.O. Box 50685	Project Number: 23-0105-01
Midland TX, 79710	Project Manager: Mark Larson

S3 @ 5'
3D06018-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B									
Benzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 11:05	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 11:05	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 11:05	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 11:05	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1207	04/12/23 14:42	04/13/23 11:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.3 %		80-120		P3D1207	04/12/23 14:42	04/13/23 11:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.6 %		80-120		P3D1207	04/12/23 14:42	04/13/23 11:05	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 21:37	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 21:37	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 21:37	TPH 8015M	
Surrogate: 1-Chlorooctane	80.4 %		70-130		P3D1108	04/11/23 14:00	04/15/23 21:37	TPH 8015M	
Surrogate: o-Terphenyl	88.6 %		70-130		P3D1108	04/11/23 14:00	04/15/23 21:37	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/11/23 14:00	04/15/23 21:37	calc	

General Chemistry Parameters by EPA / Standard Methods									
Chloride	127	1.11	mg/kg dry	1	P3D1310	04/16/23 15:00	04/16/23 19:21	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S3 @ 10'
3D06018-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 14:54	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 14:54	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 14:54	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 14:54	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 14:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	86.1 %		80-120		P3D1308	04/13/23 12:11	04/13/23 14:54	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.4 %		80-120		P3D1308	04/13/23 12:11	04/13/23 14:54	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 21:59	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 21:59	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 21:59	TPH 8015M	
Surrogate: 1-Chlorooctane	83.5 %		70-130		P3D1108	04/11/23 14:00	04/15/23 21:59	TPH 8015M	
Surrogate: o-Terphenyl	93.7 %		70-130		P3D1108	04/11/23 14:00	04/15/23 21:59	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	04/11/23 14:00	04/15/23 21:59	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	795	1.14	mg/kg dry	1	P3D1310	04/16/23 15:00	04/16/23 19:42	EPA 300.0	
% Moisture	12.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S3 @ 15'
3D06018-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00118	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 15:15	EPA 8021B	
Toluene	ND	0.00118	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 15:15	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 15:15	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 15:15	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 15:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	89.8 %		80-120		P3D1308	04/13/23 12:11	04/13/23 15:15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.5 %		80-120		P3D1308	04/13/23 12:11	04/13/23 15:15	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.4	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 23:06	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 23:06	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 23:06	TPH 8015M	
Surrogate: 1-Chlorooctane	82.5 %		70-130		P3D1108	04/11/23 14:00	04/15/23 23:06	TPH 8015M	
Surrogate: o-Terphenyl	93.3 %		70-130		P3D1108	04/11/23 14:00	04/15/23 23:06	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	04/11/23 14:00	04/15/23 23:06	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	494	11.8	mg/kg dry	10	P3D1310	04/16/23 15:00	04/16/23 20:43	EPA 300.0	
% Moisture	15.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S4 @ 1'
3D06018-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 15:35	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 15:35	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 15:35	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 15:35	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 15:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P3D1308	04/13/23 12:11	04/13/23 15:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.5 %		80-120		P3D1308	04/13/23 12:11	04/13/23 15:35	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 23:28	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 23:28	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 23:28	TPH 8015M	
Surrogate: 1-Chlorooctane	80.6 %		70-130		P3D1108	04/11/23 14:00	04/15/23 23:28	TPH 8015M	
Surrogate: o-Terphenyl	90.2 %		70-130		P3D1108	04/11/23 14:00	04/15/23 23:28	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/11/23 14:00	04/15/23 23:28	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7820	11.1	mg/kg dry	10	P3D1310	04/16/23 15:00	04/16/23 21:45	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S4 @ 3'
3D06018-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 15:56	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 15:56	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 15:56	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 15:56	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 15:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P3D1308	04/13/23 12:11	04/13/23 15:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.4 %		80-120		P3D1308	04/13/23 12:11	04/13/23 15:56	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 23:51	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 23:51	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3D1108	04/11/23 14:00	04/15/23 23:51	TPH 8015M	
Surrogate: 1-Chlorooctane	79.4 %		70-130		P3D1108	04/11/23 14:00	04/15/23 23:51	TPH 8015M	
Surrogate: o-Terphenyl	89.0 %		70-130		P3D1108	04/11/23 14:00	04/15/23 23:51	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	04/11/23 14:00	04/15/23 23:51	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	79.3	1.10	mg/kg dry	1	P3D1310	04/16/23 15:00	04/16/23 22:06	EPA 300.0	
% Moisture	9.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S4 @ 5'
3D06018-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 16:17	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 16:17	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 16:17	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 16:17	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 16:17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P3D1308	04/13/23 12:11	04/13/23 16:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.8 %		80-120		P3D1308	04/13/23 12:11	04/13/23 16:17	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 00:14	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 00:14	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 00:14	TPH 8015M	
Surrogate: 1-Chlorooctane	78.4 %		70-130		P3D1108	04/11/23 14:00	04/16/23 00:14	TPH 8015M	
Surrogate: o-Terphenyl	86.8 %		70-130		P3D1108	04/11/23 14:00	04/16/23 00:14	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/11/23 14:00	04/16/23 00:14	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	30.8	1.11	mg/kg dry	1	P3D1310	04/16/23 15:00	04/16/23 22:26	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S4 @ 10'
3D06018-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 16:37	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 16:37	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 16:37	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 16:37	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 16:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.7 %		80-120		P3D1308	04/13/23 12:11	04/13/23 16:37	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P3D1308	04/13/23 12:11	04/13/23 16:37	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 00:36	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 00:36	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 00:36	TPH 8015M	
Surrogate: 1-Chlorooctane	83.6 %		70-130		P3D1108	04/11/23 14:00	04/16/23 00:36	TPH 8015M	
Surrogate: o-Terphenyl	92.7 %		70-130		P3D1108	04/11/23 14:00	04/16/23 00:36	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	04/11/23 14:00	04/16/23 00:36	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	117	5.62	mg/kg dry	5	P3D1310	04/16/23 15:00	04/16/23 22:47	EPA 300.0	
% Moisture	11.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.	Project: Boyd X Silverback
P.O. Box 50685	Project Number: 23-0105-01
Midland TX, 79710	Project Manager: Mark Larson

S6 @ 1'

3D06018-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEx by 8021B									
Benzene	ND	0.00116	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 16:58	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 16:58	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 16:58	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 16:58	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 16:58	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	90.7 %		80-120		P3D1308	04/13/23 12:11	04/13/23 16:58	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P3D1308	04/13/23 12:11	04/13/23 16:58	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	29.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 00:59	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 00:59	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 00:59	TPH 8015M	
Surrogate: 1-Chlorooctane	88.1 %		70-130		P3D1108	04/11/23 14:00	04/16/23 00:59	TPH 8015M	
Surrogate: o-Terphenyl	94.7 %		70-130		P3D1108	04/11/23 14:00	04/16/23 00:59	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	04/11/23 14:00	04/16/23 00:59	calc	

General Chemistry Parameters by EPA / Standard Methods									
Chloride	13300	29.1	mg/kg dry	25	P3D1310	04/16/23 15:00	04/16/23 23:07	EPA 300.0	
% Moisture	14.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S6 @ 3'
3D06018-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 17:19	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 17:19	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 17:19	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 17:19	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 17:19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.3 %		80-120		P3D1308	04/13/23 12:11	04/13/23 17:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	84.4 %		80-120		P3D1308	04/13/23 12:11	04/13/23 17:19	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 01:21	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 01:21	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 01:21	TPH 8015M	
Surrogate: 1-Chlorooctane	88.1 %		70-130		P3D1108	04/11/23 14:00	04/16/23 01:21	TPH 8015M	
Surrogate: o-Terphenyl	96.1 %		70-130		P3D1108	04/11/23 14:00	04/16/23 01:21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	04/11/23 14:00	04/16/23 01:21	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	347	1.12	mg/kg dry	1	P3D1310	04/16/23 15:00	04/16/23 23:28	EPA 300.0	
% Moisture	11.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.	Project: Boyd X Silverback
P.O. Box 50685	Project Number: 23-0105-01
Midland TX, 79710	Project Manager: Mark Larson

S6 @ 5'

3D06018-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEx by 8021B									
Benzene	ND	0.00110	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 17:39	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 17:39	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 17:39	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 17:39	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 17:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	85.4 %		80-120		P3D1308	04/13/23 12:11	04/13/23 17:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.1 %		80-120		P3D1308	04/13/23 12:11	04/13/23 17:39	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 01:44	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 01:44	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 01:44	TPH 8015M	
Surrogate: 1-Chlorooctane	86.0 %		70-130		P3D1108	04/11/23 14:00	04/16/23 01:44	TPH 8015M	
Surrogate: o-Terphenyl	92.8 %		70-130		P3D1108	04/11/23 14:00	04/16/23 01:44	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	04/11/23 14:00	04/16/23 01:44	calc	

General Chemistry Parameters by EPA / Standard Methods									
Chloride	93.7	1.10	mg/kg dry	1	P3D1310	04/16/23 15:00	04/16/23 23:48	EPA 300.0	
% Moisture	9.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S6 @ 10'
3D06018-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00118	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 18:00	EPA 8021B	
Toluene	ND	0.00118	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 18:00	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 18:00	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 18:00	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 18:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	85.9 %		80-120		P3D1308	04/13/23 12:11	04/13/23 18:00	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.4 %		80-120		P3D1308	04/13/23 12:11	04/13/23 18:00	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.4	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 02:07	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 02:07	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 02:07	TPH 8015M	
Surrogate: 1-Chlorooctane	85.8 %		70-130		P3D1108	04/11/23 14:00	04/16/23 02:07	TPH 8015M	
Surrogate: o-Terphenyl	101 %		70-130		P3D1108	04/11/23 14:00	04/16/23 02:07	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	04/11/23 14:00	04/16/23 02:07	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	63.3	5.88	mg/kg dry	5	P3D1310	04/16/23 15:00	04/17/23 00:09	EPA 300.0	
% Moisture	15.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S11 @ 1'
3D06018-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 19:01	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 19:01	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 19:01	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 19:01	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 19:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.6 %		80-120		P3D1308	04/13/23 12:11	04/13/23 19:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	84.5 %		80-120		P3D1308	04/13/23 12:11	04/13/23 19:01	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 02:30	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 02:30	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P3D1108	04/11/23 14:00	04/16/23 02:30	TPH 8015M	
Surrogate: 1-Chlorooctane	89.4 %		70-130		P3D1108	04/11/23 14:00	04/16/23 02:30	TPH 8015M	
Surrogate: o-Terphenyl	98.7 %		70-130		P3D1108	04/11/23 14:00	04/16/23 02:30	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	04/11/23 14:00	04/16/23 02:30	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1010	1.12	mg/kg dry	1	P3D1310	04/16/23 15:00	04/17/23 00:29	EPA 300.0	
% Moisture	11.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S11 @ 3'
3D06018-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 19:22	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 19:22	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 19:22	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 19:22	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 19:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	85.6 %		80-120		P3D1308	04/13/23 12:11	04/13/23 19:22	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.8 %		80-120		P3D1308	04/13/23 12:11	04/13/23 19:22	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 05:54	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 05:54	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 05:54	TPH 8015M	
Surrogate: 1-Chlorooctane	87.6 %		70-130		P3D1205	04/12/23 10:00	04/16/23 05:54	TPH 8015M	
Surrogate: o-Terphenyl	100 %		70-130		P3D1205	04/12/23 10:00	04/16/23 05:54	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 05:54	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	52.4	1.09	mg/kg dry	1	P3D1312	04/17/23 08:57	04/17/23 11:35	EPA 300.0	
% Moisture	8.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S11 @ 5'
3D06018-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 19:42	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 19:42	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 19:42	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 19:42	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 19:42	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.5 %		80-120		P3D1308	04/13/23 12:11	04/13/23 19:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	87.8 %		80-120		P3D1308	04/13/23 12:11	04/13/23 19:42	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 06:17	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 06:17	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 06:17	TPH 8015M	
Surrogate: 1-Chlorooctane	90.9 %		70-130		P3D1205	04/12/23 10:00	04/16/23 06:17	TPH 8015M	
Surrogate: o-Terphenyl	104 %		70-130		P3D1205	04/12/23 10:00	04/16/23 06:17	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 06:17	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	117	1.11	mg/kg dry	1	P3D1312	04/17/23 08:57	04/17/23 11:50	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S11 @ 10'
3D06018-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 20:03	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 20:03	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 20:03	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 20:03	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 20:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	85.2 %		80-120		P3D1308	04/13/23 12:11	04/13/23 20:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.3 %		80-120		P3D1308	04/13/23 12:11	04/13/23 20:03	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 06:39	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 06:39	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 06:39	TPH 8015M	
Surrogate: 1-Chlorooctane	94.9 %		70-130		P3D1205	04/12/23 10:00	04/16/23 06:39	TPH 8015M	
Surrogate: o-Terphenyl	108 %		70-130		P3D1205	04/12/23 10:00	04/16/23 06:39	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 06:39	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	11.2	1.12	mg/kg dry	1	P3D1312	04/17/23 08:57	04/19/23 09:46	EPA 300.0	
% Moisture	11.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S10 @ 1'
3D06018-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00119	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 20:23	EPA 8021B	
Toluene	ND	0.00119	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 20:23	EPA 8021B	
Ethylbenzene	ND	0.00119	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 20:23	EPA 8021B	
Xylene (p/m)	ND	0.00238	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 20:23	EPA 8021B	
Xylene (o)	ND	0.00119	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 20:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	86.0 %		80-120		P3D1308	04/13/23 12:11	04/13/23 20:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P3D1308	04/13/23 12:11	04/13/23 20:23	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 07:02	TPH 8015M	
>C12-C28	ND	29.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 07:02	TPH 8015M	
>C28-C35	ND	29.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 07:02	TPH 8015M	
Surrogate: 1-Chlorooctane	93.9 %		70-130		P3D1205	04/12/23 10:00	04/16/23 07:02	TPH 8015M	
Surrogate: o-Terphenyl	106 %		70-130		P3D1205	04/12/23 10:00	04/16/23 07:02	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.8	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 07:02	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3610	5.95	mg/kg dry	5	P3D1312	04/17/23 08:57	04/17/23 12:18	EPA 300.0	
% Moisture	16.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S10 @ 3'
3D06018-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 20:43	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 20:43	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 20:43	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 20:43	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 20:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	86.1 %		80-120		P3D1308	04/13/23 12:11	04/13/23 20:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.3 %		80-120		P3D1308	04/13/23 12:11	04/13/23 20:43	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 07:25	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 07:25	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 07:25	TPH 8015M	
Surrogate: 1-Chlorooctane	89.7 %		70-130		P3D1205	04/12/23 10:00	04/16/23 07:25	TPH 8015M	
Surrogate: o-Terphenyl	95.7 %		70-130		P3D1205	04/12/23 10:00	04/16/23 07:25	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 07:25	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	711	1.11	mg/kg dry	1	P3D1312	04/17/23 08:57	04/17/23 12:33	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S10 @ 5'
3D06018-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 21:04	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 21:04	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 21:04	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 21:04	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 21:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.8 %		80-120		P3D1308	04/13/23 12:11	04/13/23 21:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	87.1 %		80-120		P3D1308	04/13/23 12:11	04/13/23 21:04	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 07:47	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 07:47	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 07:47	TPH 8015M	
Surrogate: 1-Chlorooctane	101 %		70-130		P3D1205	04/12/23 10:00	04/16/23 07:47	TPH 8015M	
Surrogate: o-Terphenyl	110 %		70-130		P3D1205	04/12/23 10:00	04/16/23 07:47	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 07:47	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	179	1.10	mg/kg dry	1	P3D1312	04/17/23 08:57	04/17/23 12:47	EPA 300.0	
% Moisture	9.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S10 @ 10'
3D06018-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00119	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 21:24	EPA 8021B	
Toluene	ND	0.00119	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 21:24	EPA 8021B	
Ethylbenzene	ND	0.00119	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 21:24	EPA 8021B	
Xylene (p/m)	ND	0.00238	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 21:24	EPA 8021B	
Xylene (o)	ND	0.00119	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 21:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.8 %		80-120		P3D1308	04/13/23 12:11	04/13/23 21:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.4 %		80-120		P3D1308	04/13/23 12:11	04/13/23 21:24	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 08:10	TPH 8015M	
>C12-C28	ND	29.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 08:10	TPH 8015M	
>C28-C35	ND	29.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 08:10	TPH 8015M	
Surrogate: 1-Chlorooctane	82.0 %		70-130		P3D1205	04/12/23 10:00	04/16/23 08:10	TPH 8015M	
Surrogate: o-Terphenyl	88.9 %		70-130		P3D1205	04/12/23 10:00	04/16/23 08:10	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.8	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 08:10	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	84.0	1.19	mg/kg dry	1	P3D1312	04/17/23 08:57	04/19/23 10:39	EPA 300.0	
% Moisture	16.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S8 @ 1'
3D06018-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00119	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 21:44	EPA 8021B	
Toluene	ND	0.00119	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 21:44	EPA 8021B	
Ethylbenzene	ND	0.00119	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 21:44	EPA 8021B	
Xylene (p/m)	ND	0.00238	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 21:44	EPA 8021B	
Xylene (o)	ND	0.00119	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 21:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	85.9 %		80-120		P3D1308	04/13/23 12:11	04/13/23 21:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.1 %		80-120		P3D1308	04/13/23 12:11	04/13/23 21:44	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 08:33	TPH 8015M	
>C12-C28	ND	29.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 08:33	TPH 8015M	
>C28-C35	ND	29.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 08:33	TPH 8015M	
Surrogate: 1-Chlorooctane	91.9 %		70-130		P3D1205	04/12/23 10:00	04/16/23 08:33	TPH 8015M	
Surrogate: o-Terphenyl	104 %		70-130		P3D1205	04/12/23 10:00	04/16/23 08:33	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.8	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 08:33	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	13800	11.9	mg/kg dry	10	P3D1312	04/17/23 08:57	04/18/23 11:46	EPA 300.0	
% Moisture	16.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S8 @ 3'
3D06018-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 22:05	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 22:05	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 22:05	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 22:05	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3D1308	04/13/23 12:11	04/13/23 22:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P3D1308	04/13/23 12:11	04/13/23 22:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.5 %		80-120		P3D1308	04/13/23 12:11	04/13/23 22:05	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 08:55	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 08:55	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 08:55	TPH 8015M	
Surrogate: 1-Chlorooctane	86.6 %		70-130		P3D1205	04/12/23 10:00	04/16/23 08:55	TPH 8015M	
Surrogate: o-Terphenyl	94.6 %		70-130		P3D1205	04/12/23 10:00	04/16/23 08:55	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 08:55	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5010	5.81	mg/kg dry	5	P3D1312	04/17/23 08:57	04/18/23 12:00	EPA 300.0	
% Moisture	14.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S8 @ 5'
3D06018-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 00:49	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 00:49	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 00:49	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 00:49	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 00:49	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	90.6 %		80-120		P3D1309	04/13/23 12:15	04/14/23 00:49	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P3D1309	04/13/23 12:15	04/14/23 00:49	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 09:18	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 09:18	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 09:18	TPH 8015M	
Surrogate: 1-Chlorooctane	94.3 %		70-130		P3D1205	04/12/23 10:00	04/16/23 09:18	TPH 8015M	
Surrogate: o-Terphenyl	101 %		70-130		P3D1205	04/12/23 10:00	04/16/23 09:18	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 09:18	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	891	1.11	mg/kg dry	1	P3D1312	04/17/23 08:57	04/18/23 12:15	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S8 @ 10'
3D06018-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 01:10	EPA 8021B	
Toluene	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 01:10	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 01:10	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 01:10	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 01:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.1 %		80-120		P3D1309	04/13/23 12:15	04/14/23 01:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P3D1309	04/13/23 12:15	04/14/23 01:10	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.4	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 10:26	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 10:26	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 10:26	TPH 8015M	
Surrogate: 1-Chlorooctane	91.5 %		70-130		P3D1205	04/12/23 10:00	04/16/23 10:26	TPH 8015M	
Surrogate: o-Terphenyl	100 %		70-130		P3D1205	04/12/23 10:00	04/16/23 10:26	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 10:26	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	138	5.88	mg/kg dry	5	P3D1312	04/17/23 08:57	04/18/23 12:58	EPA 300.0	
% Moisture	15.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S9 @ 1'
3D06018-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 01:31	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 01:31	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 01:31	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 01:31	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 01:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.5 %		80-120		P3D1309	04/13/23 12:15	04/14/23 01:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P3D1309	04/13/23 12:15	04/14/23 01:31	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 10:49	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 10:49	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 10:49	TPH 8015M	
Surrogate: 1-Chlorooctane	95.6 %		70-130		P3D1205	04/12/23 10:00	04/16/23 10:49	TPH 8015M	
Surrogate: o-Terphenyl	105 %		70-130		P3D1205	04/12/23 10:00	04/16/23 10:49	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 10:49	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	9690	5.68	mg/kg dry	5	P3D1312	04/17/23 08:57	04/18/23 13:12	EPA 300.0	
% Moisture	12.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S9 @ 3'
3D06018-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 01:51	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 01:51	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 01:51	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 01:51	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 01:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.1 %		80-120		P3D1309	04/13/23 12:15	04/14/23 01:51	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.8 %		80-120		P3D1309	04/13/23 12:15	04/14/23 01:51	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 11:11	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 11:11	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 11:11	TPH 8015M	
Surrogate: 1-Chlorooctane	90.0 %		70-130		P3D1205	04/12/23 10:00	04/16/23 11:11	TPH 8015M	
Surrogate: o-Terphenyl	104 %		70-130		P3D1205	04/12/23 10:00	04/16/23 11:11	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 11:11	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	336	1.09	mg/kg dry	1	P3D1312	04/17/23 08:57	04/18/23 13:26	EPA 300.0	
% Moisture	8.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.	Project: Boyd X Silverback
P.O. Box 50685	Project Number: 23-0105-01
Midland TX, 79710	Project Manager: Mark Larson

S9 @ 5'

3D06018-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEx by 8021B									
Benzene	ND	0.00111	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 02:12	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 02:12	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 02:12	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 02:12	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 02:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.8 %		80-120		P3D1309	04/13/23 12:15	04/14/23 02:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.2 %		80-120		P3D1309	04/13/23 12:15	04/14/23 02:12	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 11:33	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 11:33	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 11:33	TPH 8015M	
Surrogate: 1-Chlorooctane	87.8 %		70-130		P3D1205	04/12/23 10:00	04/16/23 11:33	TPH 8015M	
Surrogate: o-Terphenyl	96.2 %		70-130		P3D1205	04/12/23 10:00	04/16/23 11:33	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 11:33	calc	

General Chemistry Parameters by EPA / Standard Methods									
Chloride	337	1.11	mg/kg dry	1	P3D1312	04/17/23 08:57	04/18/23 13:41	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S9 @ 10'
3D06018-47 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 02:33	EPA 8021B	
Toluene	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 02:33	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 02:33	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 02:33	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 02:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P3D1309	04/13/23 12:15	04/14/23 02:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.0 %		80-120		P3D1309	04/13/23 12:15	04/14/23 02:33	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.4	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 11:56	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 11:56	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 11:56	TPH 8015M	
Surrogate: 1-Chlorooctane	91.9 %		70-130		P3D1205	04/12/23 10:00	04/16/23 11:56	TPH 8015M	
Surrogate: o-Terphenyl	100 %		70-130		P3D1205	04/12/23 10:00	04/16/23 11:56	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 11:56	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3020	11.8	mg/kg dry	10	P3D1312	04/17/23 08:57	04/18/23 13:55	EPA 300.0	
% Moisture	15.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S12 @ 1'
3D06018-48 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 02:53	EPA 8021B	
Toluene	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 02:53	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 02:53	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 02:53	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 02:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P3D1309	04/13/23 12:15	04/14/23 02:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.9 %		80-120		P3D1309	04/13/23 12:15	04/14/23 02:53	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.4	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 12:18	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 12:18	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 12:18	TPH 8015M	
Surrogate: 1-Chlorooctane	87.0 %		70-130		P3D1205	04/12/23 10:00	04/16/23 12:18	TPH 8015M	
Surrogate: o-Terphenyl	94.4 %		70-130		P3D1205	04/12/23 10:00	04/16/23 12:18	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 12:18	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1810	5.88	mg/kg dry	5	P3D1312	04/17/23 08:57	04/18/23 14:39	EPA 300.0	
% Moisture	15.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S12 @ 3'
3D06018-49 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 03:14	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 03:14	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 03:14	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 03:14	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 03:14	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.7 %		80-120		P3D1309	04/13/23 12:15	04/14/23 03:14	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.2 %		80-120		P3D1309	04/13/23 12:15	04/14/23 03:14	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 12:40	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 12:40	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 12:40	TPH 8015M	
Surrogate: 1-Chlorooctane	86.2 %		70-130		P3D1205	04/12/23 10:00	04/16/23 12:40	TPH 8015M	
Surrogate: o-Terphenyl	93.5 %		70-130		P3D1205	04/12/23 10:00	04/16/23 12:40	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 12:40	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	328	1.10	mg/kg dry	1	P3D1312	04/17/23 08:57	04/18/23 14:53	EPA 300.0	
% Moisture	9.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S12 @ 5'
3D06018-50 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 03:35	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 03:35	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 03:35	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 03:35	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 03:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.2 %		80-120		P3D1309	04/13/23 12:15	04/14/23 03:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.5 %		80-120		P3D1309	04/13/23 12:15	04/14/23 03:35	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 13:03	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 13:03	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 13:03	TPH 8015M	
Surrogate: 1-Chlorooctane	91.3 %		70-130		P3D1205	04/12/23 10:00	04/16/23 13:03	TPH 8015M	
Surrogate: o-Terphenyl	97.4 %		70-130		P3D1205	04/12/23 10:00	04/16/23 13:03	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 13:03	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	334	1.10	mg/kg dry	1	P3D1312	04/17/23 08:57	04/18/23 15:07	EPA 300.0	
% Moisture	9.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S12 @ 10'
3D06018-51 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 03:55	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 03:55	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 03:55	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 03:55	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 03:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.9 %		80-120		P3D1309	04/13/23 12:15	04/14/23 03:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.9 %		80-120		P3D1309	04/13/23 12:15	04/14/23 03:55	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 13:26	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 13:26	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 13:26	TPH 8015M	
Surrogate: 1-Chlorooctane	86.8 %		70-130		P3D1205	04/12/23 10:00	04/16/23 13:26	TPH 8015M	
Surrogate: o-Terphenyl	92.8 %		70-130		P3D1205	04/12/23 10:00	04/16/23 13:26	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 13:26	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1690	5.62	mg/kg dry	5	P3D1312	04/17/23 08:57	04/18/23 15:22	EPA 300.0	
% Moisture	11.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S12 @ 15'
3D06018-52 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00122	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 04:59	EPA 8021B	
Toluene	ND	0.00122	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 04:59	EPA 8021B	
Ethylbenzene	ND	0.00122	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 04:59	EPA 8021B	
Xylene (p/m)	ND	0.00244	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 04:59	EPA 8021B	
Xylene (o)	ND	0.00122	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 04:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.2 %		80-120		P3D1309	04/13/23 12:15	04/14/23 04:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.4 %		80-120		P3D1309	04/13/23 12:15	04/14/23 04:59	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	30.5	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 13:48	TPH 8015M	
>C12-C28	ND	30.5	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 13:48	TPH 8015M	
>C28-C35	ND	30.5	mg/kg dry	1	P3D1205	04/12/23 10:00	04/16/23 13:48	TPH 8015M	
Surrogate: 1-Chlorooctane	94.2 %		70-130		P3D1205	04/12/23 10:00	04/16/23 13:48	TPH 8015M	
Surrogate: o-Terphenyl	101 %		70-130		P3D1205	04/12/23 10:00	04/16/23 13:48	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	30.5	mg/kg dry	1	[CALC]	04/12/23 10:00	04/16/23 13:48	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3650	12.2	mg/kg dry	10	P3D1312	04/17/23 08:57	04/18/23 15:36	EPA 300.0	
% Moisture	18.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S13 @ 1'
3D06018-53 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 05:20	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 05:20	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 05:20	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 05:20	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 05:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.1 %		80-120		P3D1309	04/13/23 12:15	04/14/23 05:20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.8 %		80-120		P3D1309	04/13/23 12:15	04/14/23 05:20	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 19:28	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 19:28	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 19:28	TPH 8015M	
Surrogate: 1-Chlorooctane	88.2 %		70-130		P3D1403	04/14/23 09:50	04/16/23 19:28	TPH 8015M	
Surrogate: o-Terphenyl	98.4 %		70-130		P3D1403	04/14/23 09:50	04/16/23 19:28	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	04/14/23 09:50	04/16/23 19:28	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	997	1.14	mg/kg dry	1	P3D1411	04/14/23 16:00	04/15/23 18:40	EPA 300.0	
% Moisture	12.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S13 @ 3'
3D06018-54 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 05:42	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 05:42	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 05:42	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 05:42	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 05:42	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.2 %		80-120		P3D1309	04/13/23 12:15	04/14/23 05:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.2 %		80-120		P3D1309	04/13/23 12:15	04/14/23 05:42	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 19:53	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 19:53	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 19:53	TPH 8015M	
Surrogate: 1-Chlorooctane	87.2 %		70-130		P3D1403	04/14/23 09:50	04/16/23 19:53	TPH 8015M	
Surrogate: o-Terphenyl	96.3 %		70-130		P3D1403	04/14/23 09:50	04/16/23 19:53	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	04/14/23 09:50	04/16/23 19:53	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	424	1.10	mg/kg dry	1	P3D1411	04/14/23 16:00	04/15/23 19:01	EPA 300.0	
% Moisture	9.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S13 @ 5'
3D06018-55 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 06:03	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 06:03	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 06:03	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 06:03	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 06:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.8 %		80-120		P3D1309	04/13/23 12:15	04/14/23 06:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.6 %		80-120		P3D1309	04/13/23 12:15	04/14/23 06:03	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 20:17	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 20:17	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 20:17	TPH 8015M	
Surrogate: 1-Chlorooctane	84.3 %		70-130		P3D1403	04/14/23 09:50	04/16/23 20:17	TPH 8015M	
Surrogate: o-Terphenyl	93.8 %		70-130		P3D1403	04/14/23 09:50	04/16/23 20:17	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	04/14/23 09:50	04/16/23 20:17	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	159	1.12	mg/kg dry	1	P3D1411	04/14/23 16:00	04/15/23 19:21	EPA 300.0	
% Moisture	11.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S13 @ 10'
3D06018-56 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 06:25	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 06:25	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 06:25	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 06:25	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 06:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.3 %		80-120		P3D1309	04/13/23 12:15	04/14/23 06:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.3 %		80-120		P3D1309	04/13/23 12:15	04/14/23 06:25	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 20:41	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 20:41	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 20:41	TPH 8015M	
Surrogate: 1-Chlorooctane	86.8 %		70-130		P3D1403	04/14/23 09:50	04/16/23 20:41	TPH 8015M	
Surrogate: o-Terphenyl	95.2 %		70-130		P3D1403	04/14/23 09:50	04/16/23 20:41	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	04/14/23 09:50	04/16/23 20:41	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	28.2	1.10	mg/kg dry	1	P3D1411	04/14/23 16:00	04/15/23 19:42	EPA 300.0	
% Moisture	9.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S14 @ 1'
3D06018-57 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 06:46	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 06:46	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 06:46	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 06:46	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 06:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.6 %		80-120		P3D1309	04/13/23 12:15	04/14/23 06:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.3 %		80-120		P3D1309	04/13/23 12:15	04/14/23 06:46	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P3D1403	04/14/23 09:50	04/17/23 18:45	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P3D1403	04/14/23 09:50	04/17/23 18:45	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P3D1403	04/14/23 09:50	04/17/23 18:45	TPH 8015M	
Surrogate: 1-Chlorooctane	86.9 %		70-130		P3D1403	04/14/23 09:50	04/17/23 18:45	TPH 8015M	
Surrogate: o-Terphenyl	97.0 %		70-130		P3D1403	04/14/23 09:50	04/17/23 18:45	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	04/14/23 09:50	04/17/23 18:45	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4960	5.62	mg/kg dry	5	P3D1411	04/14/23 16:00	04/15/23 20:02	EPA 300.0	
% Moisture	11.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S14 @ 3'
3D06018-58 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 07:07	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 07:07	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 07:07	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 07:07	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 07:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.1 %		80-120		P3D1309	04/13/23 12:15	04/14/23 07:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.0 %		80-120		P3D1309	04/13/23 12:15	04/14/23 07:07	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 21:28	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 21:28	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 21:28	TPH 8015M	
Surrogate: 1-Chlorooctane	92.3 %		70-130		P3D1403	04/14/23 09:50	04/16/23 21:28	TPH 8015M	
Surrogate: o-Terphenyl	104 %		70-130		P3D1403	04/14/23 09:50	04/16/23 21:28	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	04/14/23 09:50	04/16/23 21:28	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	79.5	1.09	mg/kg dry	1	P3D1411	04/14/23 16:00	04/15/23 20:23	EPA 300.0	
% Moisture	8.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S14 @ 5'
3D06018-59 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 07:29	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 07:29	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 07:29	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 07:29	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 07:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.3 %		80-120		P3D1309	04/13/23 12:15	04/14/23 07:29	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.6 %		80-120		P3D1309	04/13/23 12:15	04/14/23 07:29	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 21:52	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 21:52	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 21:52	TPH 8015M	
Surrogate: 1-Chlorooctane	84.3 %		70-130		P3D1403	04/14/23 09:50	04/16/23 21:52	TPH 8015M	
Surrogate: o-Terphenyl	94.2 %		70-130		P3D1403	04/14/23 09:50	04/16/23 21:52	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/14/23 09:50	04/16/23 21:52	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	55.8	1.11	mg/kg dry	1	P3D1411	04/14/23 16:00	04/15/23 20:43	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S14 @ 10'
3D06018-60 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 07:50	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 07:50	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 07:50	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 07:50	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 07:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.8 %		80-120		P3D1309	04/13/23 12:15	04/14/23 07:50	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.0 %		80-120		P3D1309	04/13/23 12:15	04/14/23 07:50	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 22:16	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 22:16	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 22:16	TPH 8015M	
Surrogate: 1-Chlorooctane	84.3 %		70-130		P3D1403	04/14/23 09:50	04/16/23 22:16	TPH 8015M	
Surrogate: o-Terphenyl	93.2 %		70-130		P3D1403	04/14/23 09:50	04/16/23 22:16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	04/14/23 09:50	04/16/23 22:16	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	12.1	1.14	mg/kg dry	1	P3D1411	04/14/23 16:00	04/15/23 21:04	EPA 300.0	
% Moisture	12.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S14 @ 15'
3D06018-61 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 08:12	EPA 8021B	
Toluene	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 08:12	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 08:12	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 08:12	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P3D1309	04/13/23 12:15	04/14/23 08:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.9 %		80-120		P3D1309	04/13/23 12:15	04/14/23 08:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.8 %		80-120		P3D1309	04/13/23 12:15	04/14/23 08:12	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.4	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 22:41	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 22:41	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P3D1403	04/14/23 09:50	04/16/23 22:41	TPH 8015M	
Surrogate: 1-Chlorooctane	85.9 %		70-130		P3D1403	04/14/23 09:50	04/16/23 22:41	TPH 8015M	
Surrogate: o-Terphenyl	96.0 %		70-130		P3D1403	04/14/23 09:50	04/16/23 22:41	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	04/14/23 09:50	04/16/23 22:41	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	36.7	1.18	mg/kg dry	1	P3D1411	04/14/23 16:00	04/17/23 01:10	EPA 300.0	
% Moisture	15.0	0.1	%	1	P3D1109	04/11/23 14:40	04/12/23 09:31	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1206 - * DEFAULT PREP *****

LCS (P3D1206-BS1)

Prepared & Analyzed: 04/12/23

Benzene	0.113	0.00100	mg/kg	0.100		113	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		111	80-120			

LCS Dup (P3D1206-BS1)

Prepared & Analyzed: 04/12/23

Benzene	0.109	0.00100	mg/kg	0.100		109	80-120	3.52	20	
Toluene	0.105	0.00100	"	0.100		105	80-120	5.33	20	
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120	6.16	20	
Xylene (p/m)	0.199	0.00200	"	0.200		99.4	80-120	5.85	20	
Xylene (o)	0.101	0.00100	"	0.100		101	80-120	5.66	20	
Surrogate: 1,4-Difluorobenzene	0.134		"	0.120		111	80-120			
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		84.0	80-120			

Calibration Blank (P3D1206-CCB1)

Prepared & Analyzed: 04/12/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.120		"							
Xylene (p/m)	0.120		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		84.3	80-120			

Calibration Blank (P3D1206-CCB2)

Prepared & Analyzed: 04/12/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0730		"	0.120		60.8	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.141		"	0.120		117	80-120			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1206 - * DEFAULT PREP *****

Calibration Blank (P3D1206-CCB3)

Prepared: 04/12/23 Analyzed: 04/13/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.110		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0696		"	0.120		58.0	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.142		"	0.120		119	80-120			

Calibration Check (P3D1206-CCV1)

Prepared & Analyzed: 04/12/23

Benzene	0.102	0.00100	mg/kg	0.100		102	80-120			
Toluene	0.0919	0.00100	"	0.100		91.9	80-120			
Ethylbenzene	0.0871	0.00100	"	0.100		87.1	80-120			
Xylene (p/m)	0.172	0.00200	"	0.200		86.1	80-120			
Xylene (o)	0.0901	0.00100	"	0.100		90.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	75-125			
Surrogate: 4-Bromofluorobenzene	0.0989		"	0.120		82.4	75-125			

Calibration Check (P3D1206-CCV2)

Prepared & Analyzed: 04/12/23

Benzene	0.107	0.00100	mg/kg	0.100		107	80-120			
Toluene	0.0996	0.00100	"	0.100		99.6	80-120			
Ethylbenzene	0.0951	0.00100	"	0.100		95.1	80-120			
Xylene (p/m)	0.185	0.00200	"	0.200		92.5	80-120			
Xylene (o)	0.0971	0.00100	"	0.100		97.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.0756		"	0.120		63.0	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.143		"	0.120		119	75-125			

Calibration Check (P3D1206-CCV3)

Prepared: 04/12/23 Analyzed: 04/13/23

Benzene	0.0887	0.00100	mg/kg	0.100		88.7	80-120			
Toluene	0.0909	0.00100	"	0.100		90.9	80-120			
Ethylbenzene	0.0890	0.00100	"	0.100		89.0	80-120			
Xylene (p/m)	0.167	0.00200	"	0.200		83.6	80-120			
Xylene (o)	0.0864	0.00100	"	0.100		86.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.142		"	0.120		118	75-125			
Surrogate: 4-Bromofluorobenzene	0.0737		"	0.120		61.4	75-125			S-GC

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1206 - * DEFAULT PREP *****

Matrix Spike (P3D1206-MS1)		Source: 3D06002-01		Prepared: 04/12/23 Analyzed: 04/13/23						
Benzene	0.0645	0.00115	mg/kg dry	0.115	ND	56.1	80-120			QM-05
Toluene	0.0518	0.00115	"	0.115	ND	45.1	80-120			QM-05
Ethylbenzene	0.0360	0.00115	"	0.115	ND	31.3	80-120			QM-05
Xylene (p/m)	0.0640	0.00230	"	0.230	ND	27.9	80-120			QM-05
Xylene (o)	0.0318	0.00115	"	0.115	ND	27.7	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	0.162		"	0.138		118	80-120			
Surrogate: 4-Bromofluorobenzene	0.0813		"	0.138		58.9	80-120			S-GC

Matrix Spike Dup (P3D1206-MSD1)		Source: 3D06002-01		Prepared: 04/12/23 Analyzed: 04/13/23						
Benzene	0.0802	0.00115	mg/kg dry	0.115	ND	69.8	80-120	21.8	20	QM-05
Toluene	0.0666	0.00115	"	0.115	ND	57.9	80-120	25.0	20	QM-05
Ethylbenzene	0.0474	0.00115	"	0.115	ND	41.3	80-120	27.4	20	QM-05
Xylene (p/m)	0.0839	0.00230	"	0.230	ND	36.5	80-120	26.8	20	QM-05
Xylene (o)	0.0419	0.00115	"	0.115	ND	36.5	80-120	27.3	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.0856		"	0.138		62.0	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.165		"	0.138		120	80-120			

Batch P3D1207 - * DEFAULT PREP *****

Blank (P3D1207-BLK1)				Prepared: 04/12/23 Analyzed: 04/13/23						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.8	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1207 - * DEFAULT PREP *****

LCS (P3D1207-BS1)

Prepared: 04/12/23 Analyzed: 04/13/23

Benzene	0.101	0.00100	mg/kg	0.100		101	80-120			
Toluene	0.0985	0.00100	"	0.100		98.5	80-120			
Ethylbenzene	0.0961	0.00100	"	0.100		96.1	80-120			
Xylene (p/m)	0.172	0.00200	"	0.200		86.0	80-120			
Xylene (o)	0.0923	0.00100	"	0.100		92.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.7	80-120			

LCS Dup (P3D1207-BS1)

Prepared: 04/12/23 Analyzed: 04/13/23

Benzene	0.0895	0.00100	mg/kg	0.100		89.5	80-120	11.9	20	
Toluene	0.0872	0.00100	"	0.100		87.2	80-120	12.2	20	
Ethylbenzene	0.0855	0.00100	"	0.100		85.5	80-120	11.7	20	
Xylene (p/m)	0.162	0.00200	"	0.200		80.8	80-120	6.18	20	
Xylene (o)	0.0817	0.00100	"	0.100		81.7	80-120	12.3	20	
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.9	80-120			

Calibration Blank (P3D1207-CCB1)

Prepared: 04/12/23 Analyzed: 04/13/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.110		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.142		"	0.120		119	80-120			
Surrogate: 4-Bromofluorobenzene	0.0696		"	0.120		58.0	80-120			S-GC

Calibration Blank (P3D1207-CCB2)

Prepared: 04/12/23 Analyzed: 04/13/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.7	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1207 - * DEFAULT PREP *****

Calibration Check (P3D1207-CCV1)

Prepared: 04/12/23 Analyzed: 04/13/23

Benzene	0.0887	0.00100	mg/kg	0.100		88.7	80-120			
Toluene	0.0909	0.00100	"	0.100		90.9	80-120			
Ethylbenzene	0.0890	0.00100	"	0.100		89.0	80-120			
Xylene (p/m)	0.167	0.00200	"	0.200		83.6	80-120			
Xylene (o)	0.0864	0.00100	"	0.100		86.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.142		"	0.120		118	75-125			
Surrogate: 4-Bromofluorobenzene	0.0737		"	0.120		61.4	75-125			S-GC

Calibration Check (P3D1207-CCV2)

Prepared: 04/12/23 Analyzed: 04/13/23

Benzene	0.107	0.00100	mg/kg	0.100		107	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.0933	0.00100	"	0.100		93.3	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200		87.7	80-120			
Xylene (o)	0.0965	0.00100	"	0.100		96.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.5	75-125			

Calibration Check (P3D1207-CCV3)

Prepared: 04/12/23 Analyzed: 04/13/23

Benzene	0.105	0.00100	mg/kg	0.100		105	80-120			
Toluene	0.0918	0.00100	"	0.100		91.8	80-120			
Ethylbenzene	0.0806	0.00100	"	0.100		80.6	80-120			
Xylene (p/m)	0.161	0.00200	"	0.200		80.5	80-120			
Xylene (o)	0.0872	0.00100	"	0.100		87.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.0978		"	0.120		81.5	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.2	75-125			

Matrix Spike (P3D1207-MS1)

Source: 3D06018-02

Prepared: 04/12/23 Analyzed: 04/13/23

Benzene	0.0722	0.00112	mg/kg dry	0.112	ND	64.2	80-120			QM-05
Toluene	0.0619	0.00112	"	0.112	ND	55.1	80-120			QM-05
Ethylbenzene	0.0547	0.00112	"	0.112	ND	48.7	80-120			QM-05
Xylene (p/m)	0.0982	0.00225	"	0.225	ND	43.7	80-120			QM-05
Xylene (o)	0.0511	0.00112	"	0.112	ND	45.5	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	0.136		"	0.135		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.135		92.8	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1207 - * DEFAULT PREP *****

Matrix Spike Dup (P3D1207-MSD1)		Source: 3D06018-02		Prepared: 04/12/23		Analyzed: 04/13/23				
Benzene	0.0816	0.00112	mg/kg dry	0.112	ND	72.7	80-120	12.3	20	QM-05
Toluene	0.0730	0.00112	"	0.112	ND	64.9	80-120	16.4	20	QM-05
Ethylbenzene	0.0647	0.00112	"	0.112	ND	57.6	80-120	16.7	20	QM-05
Xylene (p/m)	0.116	0.00225	"	0.225	ND	51.6	80-120	16.6	20	QM-05
Xylene (o)	0.0599	0.00112	"	0.112	ND	53.3	80-120	15.9	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.131		"	0.135		97.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.136		"	0.135		101	80-120			

Batch P3D1308 - * DEFAULT PREP *****

Blank (P3D1308-BLK1)				Prepared & Analyzed: 04/13/23						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.0966		"	0.120		80.5	80-120			

LCS (P3D1308-BS1)				Prepared & Analyzed: 04/13/23						
Benzene	0.109	0.00100	mg/kg	0.100		109	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.0980	0.00100	"	0.100		98.0	80-120			
Xylene (p/m)	0.180	0.00200	"	0.200		90.2	80-120			
Xylene (o)	0.0970	0.00100	"	0.100		97.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.7	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1308 - * DEFAULT PREP *****

LCS Dup (P3D1308-BS01)

Prepared & Analyzed: 04/13/23

Benzene	0.110	0.00100	mg/kg	0.100		110	80-120	1.03	20	
Toluene	0.102	0.00100	"	0.100		102	80-120	0.552	20	
Ethylbenzene	0.0979	0.00100	"	0.100		97.9	80-120	0.123	20	
Xylene (p/m)	0.180	0.00200	"	0.200		89.8	80-120	0.422	20	
Xylene (o)	0.0976	0.00100	"	0.100		97.6	80-120	0.627	20	
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

Calibration Blank (P3D1308-CCB1)

Prepared & Analyzed: 04/13/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.0978		"	0.120		81.5	80-120			

Calibration Blank (P3D1308-CCB2)

Prepared & Analyzed: 04/13/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.0964		"	0.120		80.4	80-120			

Calibration Blank (P3D1308-CCB3)

Prepared & Analyzed: 04/13/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		83.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1308 - * DEFAULT PREP *****

Calibration Check (P3D1308-CCV1)

Prepared & Analyzed: 04/13/23

Benzene	0.101	0.00100	mg/kg	0.100		101	80-120			
Toluene	0.0874	0.00100	"	0.100		87.4	80-120			
Ethylbenzene	0.0802	0.00100	"	0.100		80.2	80-120			
Xylene (p/m)	0.160	0.00200	"	0.200		80.0	80-120			
Xylene (o)	0.0846	0.00100	"	0.100		84.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		100	75-125			
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		84.3	75-125			

Calibration Check (P3D1308-CCV2)

Prepared & Analyzed: 04/13/23

Benzene	0.111	0.00100	mg/kg	0.100		111	80-120			
Toluene	0.0964	0.00100	"	0.100		96.4	80-120			
Ethylbenzene	0.0853	0.00100	"	0.100		85.3	80-120			
Xylene (p/m)	0.166	0.00200	"	0.200		83.0	80-120			
Xylene (o)	0.0929	0.00100	"	0.100		92.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.0986		"	0.120		82.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.9	75-125			

Calibration Check (P3D1308-CCV3)

Prepared & Analyzed: 04/13/23

Benzene	0.109	0.00100	mg/kg	0.100		109	80-120			
Toluene	0.0991	0.00100	"	0.100		99.1	80-120			
Ethylbenzene	0.0881	0.00100	"	0.100		88.1	80-120			
Xylene (p/m)	0.169	0.00200	"	0.200		84.4	80-120			
Xylene (o)	0.0942	0.00100	"	0.100		94.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	75-125			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		87.0	75-125			

Matrix Spike (P3D1308-MS1)

Source: 3D06018-22

Prepared & Analyzed: 04/13/23

Benzene	0.0760	0.00114	mg/kg dry	0.114	ND	66.9	80-120			QM-05
Toluene	0.0684	0.00114	"	0.114	ND	60.1	80-120			QM-05
Ethylbenzene	0.0650	0.00114	"	0.114	ND	57.2	80-120			QM-05
Xylene (p/m)	0.121	0.00227	"	0.227	ND	53.0	80-120			QM-05
Xylene (o)	0.0640	0.00114	"	0.114	ND	56.3	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.124		"	0.136		91.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.138		"	0.136		101	80-120			

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1308 - * DEFAULT PREP *****

Matrix Spike Dup (P3D1308-MSD1)		Source: 3D06018-22		Prepared & Analyzed: 04/13/23						
Benzene	0.0857	0.00114	mg/kg dry	0.114	ND	75.4	80-120	11.9	20	QM-05
Toluene	0.0793	0.00114	"	0.114	ND	69.8	80-120	14.9	20	QM-05
Ethylbenzene	0.0760	0.00114	"	0.114	ND	66.8	80-120	15.6	20	QM-05
Xylene (p/m)	0.140	0.00227	"	0.227	ND	61.8	80-120	15.3	20	QM-05
Xylene (o)	0.0746	0.00114	"	0.114	ND	65.6	80-120	15.3	20	QM-05
Surrogate: 1,4-Difluorobenzene	0.139		"	0.136		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.136		93.9	80-120			

Batch P3D1309 - * DEFAULT PREP *****

Blank (P3D1309-BLK1)		Prepared: 04/13/23 Analyzed: 04/14/23								
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.100		"	0.120		83.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.2	80-120			

LCS (P3D1309-BS1)		Prepared & Analyzed: 04/13/23								
Benzene	0.108	0.00100	mg/kg	0.100		108	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.0978	0.00100	"	0.100		97.8	80-120			
Xylene (p/m)	0.176	0.00200	"	0.200		88.2	80-120			
Xylene (o)	0.0962	0.00100	"	0.100		96.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.4	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1309 - * DEFAULT PREP *****

LCS Dup (P3D1309-BSD1)

Prepared: 04/13/23 Analyzed: 04/14/23

Benzene	0.102	0.00100	mg/kg	0.100		102	80-120	5.47	20	
Toluene	0.0961	0.00100	"	0.100		96.1	80-120	5.72	20	
Ethylbenzene	0.0922	0.00100	"	0.100		92.2	80-120	5.85	20	
Xylene (p/m)	0.167	0.00200	"	0.200		83.3	80-120	5.65	20	
Xylene (o)	0.0909	0.00100	"	0.100		90.9	80-120	5.75	20	
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.5	80-120			

Calibration Blank (P3D1309-CCB1)

Prepared & Analyzed: 04/13/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		83.9	80-120			

Calibration Blank (P3D1309-CCB2)

Prepared: 04/13/23 Analyzed: 04/14/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.9	80-120			

Calibration Check (P3D1309-CCV1)

Prepared & Analyzed: 04/13/23

Benzene	0.109	0.00100	mg/kg	0.100		109	80-120			
Toluene	0.0991	0.00100	"	0.100		99.1	80-120			
Ethylbenzene	0.0881	0.00100	"	0.100		88.1	80-120			
Xylene (p/m)	0.169	0.00200	"	0.200		84.4	80-120			
Xylene (o)	0.0942	0.00100	"	0.100		94.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	75-125			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		87.0	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1309 - * DEFAULT PREP *****

Calibration Check (P3D1309-CCV2)

Prepared: 04/13/23 Analyzed: 04/14/23

Benzene	0.104	0.00100	mg/kg	0.100		104	80-120			
Toluene	0.0997	0.00100	"	0.100		99.7	80-120			
Ethylbenzene	0.0906	0.00100	"	0.100		90.6	80-120			
Xylene (p/m)	0.172	0.00200	"	0.200		85.8	80-120			
Xylene (o)	0.0939	0.00100	"	0.100		93.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.6	75-125			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.7	75-125			

Calibration Check (P3D1309-CCV3)

Prepared: 04/13/23 Analyzed: 04/14/23

Benzene	0.106	0.00100	mg/kg	0.100		106	80-120			
Toluene	0.0999	0.00100	"	0.100		99.9	80-120			
Ethylbenzene	0.0911	0.00100	"	0.100		91.1	80-120			
Xylene (p/m)	0.172	0.00200	"	0.200		86.0	80-120			
Xylene (o)	0.0952	0.00100	"	0.100		95.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.4	75-125			

Matrix Spike (P3D1309-MS1)

Source: 3D06018-42

Prepared: 04/13/23 Analyzed: 04/14/23

Benzene	0.0820	0.00111	mg/kg dry	0.111	ND	73.8	80-120			QM-05
Toluene	0.0756	0.00111	"	0.111	ND	68.0	80-120			QM-05
Ethylbenzene	0.0690	0.00111	"	0.111	ND	62.1	80-120			QM-05
Xylene (p/m)	0.124	0.00222	"	0.222	ND	55.8	80-120			QM-05
Xylene (o)	0.0643	0.00111	"	0.111	ND	57.8	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.132		"	0.133		98.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.134		"	0.133		101	80-120			

Matrix Spike Dup (P3D1309-MSD1)

Source: 3D06018-42

Prepared: 04/13/23 Analyzed: 04/14/23

Benzene	0.0851	0.00111	mg/kg dry	0.111	ND	76.6	80-120	3.76	20	QM-05
Toluene	0.0758	0.00111	"	0.111	ND	68.2	80-120	0.250	20	QM-05
Ethylbenzene	0.0688	0.00111	"	0.111	ND	62.0	80-120	0.226	20	QM-05
Xylene (p/m)	0.124	0.00222	"	0.222	ND	55.9	80-120	0.179	20	QM-05
Xylene (o)	0.0652	0.00111	"	0.111	ND	58.7	80-120	1.44	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.124		"	0.133		93.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.135		"	0.133		101	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1105 - TX 1005

Blank (P3D1105-BLK1)

Prepared: 04/11/23 Analyzed: 04/15/23

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	84.3		"	100		84.3	70-130			
Surrogate: o-Terphenyl	45.9		"	50.0		91.8	70-130			

LCS (P3D1105-BS1)

Prepared: 04/11/23 Analyzed: 04/15/23

C6-C12	946	25.0	mg/kg	1000		94.6	75-125			
>C12-C28	931	25.0	"	1000		93.1	75-125			
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	57.1		"	50.0		114	70-130			

LCS Dup (P3D1105-BSD1)

Prepared: 04/11/23 Analyzed: 04/15/23

C6-C12	960	25.0	mg/kg	1000		96.0	75-125	1.39	20	
>C12-C28	913	25.0	"	1000		91.3	75-125	1.96	20	
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	53.2		"	50.0		106	70-130			

Calibration Check (P3D1105-CCV1)

Prepared: 04/11/23 Analyzed: 04/15/23

C6-C12	502	25.0	mg/kg	500		100	85-115			
>C12-C28	538	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	48.0		"	50.0		96.0	70-130			

Matrix Spike (P3D1105-MS1)

Source: 3D06018-12

Prepared: 04/11/23 Analyzed: 04/15/23

C6-C12	797	27.8	mg/kg dry	1110	ND	71.7	75-125			QM-05
>C12-C28	767	27.8	"	1110	ND	69.0	75-125			QM-05
Surrogate: 1-Chlorooctane	99.2		"	111		89.2	70-130			
Surrogate: o-Terphenyl	41.9		"	55.6		75.4	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1105 - TX 1005

Matrix Spike Dup (P3D1105-MSD1)	Source: 3D06018-12			Prepared: 04/11/23		Analyzed: 04/16/23				
C6-C12	859	27.8	mg/kg dry	1110	ND	77.3	75-125	7.48	20	
>C12-C28	829	27.8	"	1110	ND	74.6	75-125	7.72	20	QM-05
Surrogate: 1-Chlorooctane	107		"	111		96.6	70-130			
Surrogate: o-Terphenyl	45.3		"	55.6		81.5	70-130			

Batch P3D1108 - TX 1005

Blank (P3D1108-BLK1)				Prepared: 04/11/23		Analyzed: 04/15/23				
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	85.6		"	100		85.6	70-130			
Surrogate: o-Terphenyl	46.0		"	50.0		92.1	70-130			

LCS (P3D1108-BS1)				Prepared: 04/11/23		Analyzed: 04/15/23				
C6-C12	1010	25.0	mg/kg	1000		101	75-125			
>C12-C28	905	25.0	"	1000		90.5	75-125			
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	52.5		"	50.0		105	70-130			

LCS Dup (P3D1108-BSD1)				Prepared: 04/11/23		Analyzed: 04/15/23				
C6-C12	962	25.0	mg/kg	1000		96.2	75-125	4.40	20	
>C12-C28	840	25.0	"	1000		84.0	75-125	7.47	20	
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	49.6		"	50.0		99.2	70-130			

Calibration Check (P3D1108-CCV1)				Prepared: 04/11/23		Analyzed: 04/15/23				
C6-C12	531	25.0	mg/kg	500		106	85-115			
>C12-C28	496	25.0	"	500		99.1	85-115			
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	49.4		"	50.0		98.9	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1108 - TX 1005

Calibration Check (P3D1108-CCV2)

Prepared: 04/11/23 Analyzed: 04/15/23

C6-C12	508	25.0	mg/kg	500		102	85-115			
>C12-C28	506	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	97.3		"	100		97.3	70-130			
Surrogate: o-Terphenyl	48.5		"	50.0		96.9	70-130			

Matrix Spike (P3D1108-MS1)

Source: 3D06018-32

Prepared: 04/11/23 Analyzed: 04/16/23

C6-C12	846	28.1	mg/kg dry	1120	11.6	74.3	75-125			QM-05
>C12-C28	769	28.1	"	1120	11.0	67.4	75-125			QM-05
Surrogate: 1-Chlorooctane	103		"	112		91.6	70-130			
Surrogate: o-Terphenyl	48.6		"	56.2		86.5	70-130			

Matrix Spike Dup (P3D1108-MSD1)

Source: 3D06018-32

Prepared: 04/11/23 Analyzed: 04/16/23

C6-C12	868	28.1	mg/kg dry	1120	11.6	76.2	75-125	2.62	20	
>C12-C28	785	28.1	"	1120	11.0	68.9	75-125	2.19	20	QM-05
Surrogate: 1-Chlorooctane	102		"	112		91.1	70-130			
Surrogate: o-Terphenyl	43.7		"	56.2		77.8	70-130			

Batch P3D1205 - TX 1005

Blank (P3D1205-BLK1)

Prepared: 04/12/23 Analyzed: 04/16/23

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	83.9		"	100		83.9	70-130			
Surrogate: o-Terphenyl	46.8		"	50.0		93.6	70-130			

LCS (P3D1205-BS1)

Prepared: 04/12/23 Analyzed: 04/16/23

C6-C12	988	25.0	mg/kg	1000		98.8	75-125			
>C12-C28	897	25.0	"	1000		89.7	75-125			
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	50.6		"	50.0		101	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3D1205 - TX 1005										
LCS Dup (P3D1205-BSD1)				Prepared: 04/12/23 Analyzed: 04/16/23						
C6-C12	987	25.0	mg/kg	1000		98.7	75-125	0.141	20	
>C12-C28	899	25.0	"	1000		89.9	75-125	0.213	20	
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	53.2		"	50.0		106	70-130			
Calibration Check (P3D1205-CCV1)				Prepared: 04/12/23 Analyzed: 04/16/23						
C6-C12	497	25.0	mg/kg	500		99.3	85-115			
>C12-C28	481	25.0	"	500		96.2	85-115			
Surrogate: 1-Chlorooctane	95.0		"	100		95.0	70-130			
Surrogate: o-Terphenyl	43.8		"	50.0		87.5	70-130			
Calibration Check (P3D1205-CCV2)				Prepared: 04/12/23 Analyzed: 04/16/23						
C6-C12	501	25.0	mg/kg	500		100	85-115			
>C12-C28	504	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	95.8		"	100		95.8	70-130			
Surrogate: o-Terphenyl	47.0		"	50.0		94.1	70-130			
Calibration Check (P3D1205-CCV3)				Prepared: 04/12/23 Analyzed: 04/17/23						
C6-C12	520	25.0	mg/kg	500		104	85-115			
>C12-C28	504	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	99.3		"	100		99.3	70-130			
Surrogate: o-Terphenyl	46.5		"	50.0		93.0	70-130			
Matrix Spike (P3D1205-MS1)				Source: 3D06018-52		Prepared: 04/12/23 Analyzed: 04/16/23				
C6-C12	1120	30.5	mg/kg dry	1220	19.0	90.6	75-125			
>C12-C28	998	30.5	"	1220	ND	81.9	75-125			
Surrogate: 1-Chlorooctane	124		"	122		101	70-130			
Surrogate: o-Terphenyl	56.0		"	61.0		91.9	70-130			

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1205 - TX 1005

Matrix Spike Dup (P3D1205-MSD1)	Source: 3D06018-52			Prepared: 04/12/23		Analyzed: 04/16/23				
C6-C12	1100	30.5	mg/kg dry	1220	19.0	88.4	75-125	2.48	20	
>C12-C28	955	30.5	"	1220	ND	78.3	75-125	4.45	20	
Surrogate: 1-Chlorooctane	121		"	122		98.9	70-130			
Surrogate: o-Terphenyl	55.3		"	61.0		90.8	70-130			

Batch P3D1403 - TX 1005

Blank (P3D1403-BLK1)				Prepared: 04/14/23		Analyzed: 04/16/23				
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	86.4		"	100		86.4	70-130			
Surrogate: o-Terphenyl	46.6		"	50.0		93.3	70-130			

LCS (P3D1403-BS1)				Prepared: 04/14/23		Analyzed: 04/16/23				
C6-C12	1000	25.0	mg/kg	1000		100	75-125			
>C12-C28	947	25.0	"	1000		94.7	75-125			
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	54.8		"	50.0		110	70-130			

LCS Dup (P3D1403-BSD1)				Prepared: 04/14/23		Analyzed: 04/16/23				
C6-C12	1010	25.0	mg/kg	1000		101	75-125	1.06	20	
>C12-C28	950	25.0	"	1000		95.0	75-125	0.356	20	
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	57.1		"	50.0		114	70-130			

Calibration Check (P3D1403-CCV1)				Prepared: 04/14/23		Analyzed: 04/16/23				
C6-C12	509	25.0	mg/kg	500		102	85-115			
>C12-C28	523	25.0	"	500		105	85-115			
Surrogate: 1-Chlorooctane	100		"	100		100	70-130			
Surrogate: o-Terphenyl	46.8		"	50.0		93.5	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1403 - TX 1005

Calibration Check (P3D1403-CCV2)

Prepared: 04/14/23 Analyzed: 04/16/23

C6-C12	515	25.0	mg/kg	500		103	85-115			
>C12-C28	548	25.0	"	500		110	85-115			
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	47.4		"	50.0		94.7	70-130			

Duplicate (P3D1403-DUP1)

Source: 3D12003-02

Prepared: 04/14/23 Analyzed: 04/17/23

C6-C12	ND	25.3	mg/kg dry		ND				20	
>C12-C28	ND	25.3	"		ND				20	
Surrogate: 1-Chlorooctane	80.4		"	101		79.6	70-130			
Surrogate: o-Terphenyl	41.8		"	50.5		82.8	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D0807 - * DEFAULT PREP *****

Blank (P3D0807-BLK1)

Prepared: 04/08/23 Analyzed: 04/13/23

Chloride	ND	1.00	mg/kg							
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LCS (P3D0807-BS1)

Prepared: 04/08/23 Analyzed: 04/13/23

Chloride	18.4		mg/kg	20.0		92.1	90-110			
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LCS Dup (P3D0807-BSD1)

Prepared: 04/08/23 Analyzed: 04/13/23

Chloride	18.6		mg/kg	20.0		93.2	90-110	1.13	10	
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Calibration Check (P3D0807-CCV1)

Prepared: 04/08/23 Analyzed: 04/13/23

Chloride	18.5		mg/kg	20.0		92.5	90-110			
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Calibration Check (P3D0807-CCV2)

Prepared: 04/08/23 Analyzed: 04/14/23

Chloride	18.2		mg/kg	20.0		90.9	90-110			
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Calibration Check (P3D0807-CCV3)

Prepared: 04/08/23 Analyzed: 04/14/23

Chloride	18.1		mg/kg	20.0		90.4	90-110			
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Matrix Spike (P3D0807-MS1)

Source: 3D06002-01

Prepared: 04/08/23 Analyzed: 04/14/23

Chloride	112		mg/kg	100	4.28	108	80-120			
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Matrix Spike (P3D0807-MS2)

Source: 3D06018-11

Prepared: 04/08/23 Analyzed: 04/14/23

Chloride	154		mg/kg	100	61.5	92.2	80-120			
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Matrix Spike Dup (P3D0807-MSD1)

Source: 3D06002-01

Prepared: 04/08/23 Analyzed: 04/14/23

Chloride	114		mg/kg	100	4.28	110	80-120	1.69	20	
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Matrix Spike Dup (P3D0807-MSD2)

Source: 3D06018-11

Prepared: 04/08/23 Analyzed: 04/14/23

Chloride	155		mg/kg	100	61.5	93.2	80-120	0.665	20	
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3D1109 - *** DEFAULT PREP ***										
Blank (P3D1109-BLK1)					Prepared: 04/11/23 Analyzed: 04/12/23					
% Moisture	ND	0.1	%							
Blank (P3D1109-BLK2)					Prepared: 04/11/23 Analyzed: 04/12/23					
% Moisture	ND	0.1	%							
Blank (P3D1109-BLK3)					Prepared: 04/11/23 Analyzed: 04/12/23					
% Moisture	ND	0.1	%							
Duplicate (P3D1109-DUP1)					Source: 3D06018-10 Prepared: 04/11/23 Analyzed: 04/12/23					
% Moisture	13.0	0.1	%		12.0			8.00	20	
Duplicate (P3D1109-DUP2)					Source: 3D06018-20 Prepared: 04/11/23 Analyzed: 04/12/23					
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P3D1109-DUP3)					Source: 3D06018-35 Prepared: 04/11/23 Analyzed: 04/12/23					
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P3D1109-DUP4)					Source: 3D06018-45 Prepared: 04/11/23 Analyzed: 04/12/23					
% Moisture	9.0	0.1	%		8.0			11.8	20	
Duplicate (P3D1109-DUP5)					Source: 3D06018-60 Prepared: 04/11/23 Analyzed: 04/12/23					
% Moisture	11.0	0.1	%		12.0			8.70	20	
Batch P3D1310 - *** DEFAULT PREP ***										
Blank (P3D1310-BLK1)					Prepared: 04/13/23 Analyzed: 04/16/23					
Chloride	ND	1.00	mg/kg							

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3D1310 - *** DEFAULT PREP ***										
LCS (P3D1310-BS1)				Prepared: 04/13/23 Analyzed: 04/16/23						
Chloride	19.1		mg/kg	20.0		95.3	90-110			
LCS Dup (P3D1310-BSD1)				Prepared: 04/13/23 Analyzed: 04/16/23						
Chloride	19.3		mg/kg	20.0		96.6	90-110	1.29	10	
Calibration Check (P3D1310-CCV1)				Prepared & Analyzed: 04/16/23						
Chloride	18.5		mg/kg	20.0		92.6	90-110			
Calibration Check (P3D1310-CCV2)				Prepared & Analyzed: 04/16/23						
Chloride	18.6		mg/kg	20.0		93.2	90-110			
Calibration Check (P3D1310-CCV3)				Prepared: 04/16/23 Analyzed: 04/17/23						
Chloride	18.8		mg/kg	20.0		93.8	90-110			
Matrix Spike (P3D1310-MS1)				Source: 3D06018-15		Prepared: 04/13/23 Analyzed: 04/16/23				
Chloride	175		mg/kg	100	70.6	105	80-120			
Matrix Spike (P3D1310-MS2)				Source: 3D06018-23		Prepared: 04/13/23 Analyzed: 04/16/23				
Chloride	106		mg/kg	100	4.20	102	80-120			
Matrix Spike Dup (P3D1310-MSD1)				Source: 3D06018-15		Prepared: 04/13/23 Analyzed: 04/16/23				
Chloride	175		mg/kg	100	70.6	105	80-120	0.0319	20	
Matrix Spike Dup (P3D1310-MSD2)				Source: 3D06018-23		Prepared: 04/13/23 Analyzed: 04/16/23				
Chloride	108		mg/kg	100	4.20	104	80-120	1.28	20	
Batch P3D1312 - *** DEFAULT PREP ***										
Blank (P3D1312-BLK1)				Prepared & Analyzed: 04/17/23						
Chloride	ND	1.00	mg/kg							

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1312 - * DEFAULT PREP *****

LCS (P3D1312-BS1)				Prepared & Analyzed: 04/17/23						
Chloride	23.9	1.00	mg/kg	24.0		99.7	90-110			
LCS Dup (P3D1312-BSD1)				Prepared & Analyzed: 04/17/23						
Chloride	23.9	1.00	mg/kg	24.0		99.7	90-110	0.0376	10	
Calibration Check (P3D1312-CCV1)				Prepared & Analyzed: 04/17/23						
Chloride	24.3	1.00	mg/kg	24.0		101	90-110			
Calibration Check (P3D1312-CCV2)				Prepared: 04/17/23 Analyzed: 04/18/23						
Chloride	24.1	1.00	mg/kg	24.0		100	90-110			
Matrix Spike (P3D1312-MS1)		Source: 3D06018-39		Prepared: 04/17/23 Analyzed: 04/18/23						
Chloride	141		mg/kg	100	0.705	141	80-120			QM-05
Matrix Spike Dup (P3D1312-MSD1)		Source: 3D06018-39		Prepared: 04/17/23 Analyzed: 04/18/23						
Chloride	142		mg/kg	100	0.705	141	80-120	0.158	20	QM-05

Batch P3D1411 - * DEFAULT PREP *****

Blank (P3D1411-BLK1)				Prepared: 04/14/23 Analyzed: 04/15/23						
Chloride	ND	1.00	mg/kg							
LCS (P3D1411-BS1)				Prepared: 04/14/23 Analyzed: 04/15/23						
Chloride	18.5		mg/kg	20.0		92.3	90-110			
LCS Dup (P3D1411-BSD1)				Prepared: 04/14/23 Analyzed: 04/15/23						
Chloride	18.6		mg/kg	20.0		93.1	90-110	0.847	10	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D1411 - * DEFAULT PREP *****

Calibration Check (P3D1411-CCV1)

Prepared: 04/14/23 Analyzed: 04/15/23

Chloride	18.3		mg/kg	20.0		91.4	90-110			
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Calibration Check (P3D1411-CCV2)

Prepared: 04/14/23 Analyzed: 04/15/23

Chloride	18.3		mg/kg	20.0		91.7	90-110			
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Calibration Check (P3D1411-CCV3)

Prepared: 04/14/23 Analyzed: 04/16/23

Chloride	18.4		mg/kg	20.0		91.9	90-110			
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Matrix Spike (P3D1411-MS1)

Source: 3D14003-11

Prepared: 04/14/23 Analyzed: 04/15/23

Chloride	110		mg/kg	100	9.80	101	80-120			
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Matrix Spike (P3D1411-MS2)

Source: 3D06018-61

Prepared: 04/14/23 Analyzed: 04/15/23

Chloride	98.9		mg/kg	100	0.312	98.6	80-120			
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Matrix Spike Dup (P3D1411-MSD1)

Source: 3D14003-11

Prepared: 04/14/23 Analyzed: 04/15/23

Chloride	110		mg/kg	100	9.80	100	80-120	0.428	20	
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Matrix Spike Dup (P3D1411-MSD2)

Source: 3D06018-61

Prepared: 04/14/23 Analyzed: 04/15/23

Chloride	99.0		mg/kg	100	0.312	98.6	80-120	0.0333	20	
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

NPBEL C Chain of Custody was not generated at PBELAB

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

4/20/2023

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.

Project: Boyd X Silverback

P.O. Box 50685

Project Number: 23-0105-01

Midland TX, 79710

Project Manager: Mark Larson

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Page 89 of 93

Released to Imaging: 3/28/2025 2:03:04 PM

Released to Imaging: 3/28/2025 2:03:04 PM

Larson & Associates, Inc.

Environmental Consultants

507 N. Marientfeld, Ste. 202
Midland, TX 79701
432-687-0901

DATE: 4-6-23 PAGE 3 OF 4
PO#: LAB WORK ORDER #: 3006018
PROJECT LOCATION OR NAME: Boyd X Silverback
LAI PROJECT #: 23-0105-01 COLLECTOR: JLD, KG

Data Reported to: Mark Larson / Robert Nelson

TRRP report?
☐ Yes ☒ No

S=SOIL W=WATER P=PAINT
A=AIR SL=SLUDGE
OT=OTHER

TIME ZONE:
Time zone/State:

MNT/VMT

Field Sample I.D.

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃

H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

PRESERVATION

ANALYSES

BTEX-MTBE ☐

TPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐

GASOLINE MOD 8015 ☐

DIESEL - MOD 8015 ☐

OIL - MOD 8015 ☐

VOC 8280 ☐

SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐

8081 PESTICIDES ☐ 8151 HERBICIDES ☐

TCLP - METALS (RCRA) ☐ TCLP VOC ☐

8082 PCBs ☐ TCLP - PEST ☐ HERB ☐ Semi-VOC ☐

TOTAL METALS (RCRA) ☐ OTHER LIST ☐

LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐

ROI ☐ TOX ☐ FLASHPOINT ☐

TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐

pH ☐ HEXAVALENT CHROMIUM ☐

EXPLOSIVES ☐ PECHLORATE ☐

CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐

FIELD NOTES

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO ₃	H ₂ SO ₄ ☐	NaOH ☐	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
S6 10		4-4-23	1130	S	1	X						X	
S11 1			1200									X	
3			1205									X	
5			1210									X	
10			1215									X	
S10 1			1245									X	
3			1300									X	
5			1305									X	
10			1316									X	
S8 1			1330									X	
3			1335									X	
5			1340									X	
10			1345									X	
S9 1			1415									X	
3			1420	S	1	X						X	
TOTAL 15													

RELINQUISHED BY:(Signature)

Jesse

4-6-23 4:05

RECEIVED BY:(Signature)

Jesse

DATE/TIME

RECEIVED BY:(Signature)

TURN AROUND TIME

NORMAL ☒

1 DAY ☐

2 DAY ☐

OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP: -14.0

THERM#: 13

CUSTODY SEALS - ☐ BROKEN

2034
Nº

CHAIN-OF-CUSTODY

507 N. Marientfeld, Ste. 202
Midland, TX 79701
432-687-0901

Data Reported to: Mr. & Mrs. Carson / Robert Nelson

DATE: 7-6-25 PAGE 5 OF 1
PO#: _____ LAB WORK ORDER#: 3D00018
PROJECT LOCATION OR NAME: Boyd X 5100s back
LAI PROJECT #: 23-0105-01 COLLECTOR: JH, KG

COLLECTOR: JH ; KG

Page 93 of 93

TRRP report? ☐ Yes ☒ No						S=SOIL W=WATER A=AIR						P=PAINT SL=SLUDGE OT=OTHER					
TIME ZONE:																	
Time zone/State:																	
Field Sample I.D.						Lab #						Date					
Matrix						# of Containers						PRESERVATION					
HCl						HNO ₃						H ₂ SO ₄ ☐ NaOH ☐					
ICE						UNPRESSERVED											
ANALYSES																	
BTEX MTBE ☐						TPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐											
GASOLINE MOD 8015 ☐						DIESEL - MOD 8015 ☐											
OIL - MOD 8015 ☐						VOC 8260 ☐											
SVOC 8270 ☐						PAH 8270 ☐											
8081 PESTICIDES ☐						8151 HERBICIDES ☐											
TCLP - METALS (RCRA) ☐						Semi-VOC ☐											
TCLP - PEST ☐						HERB ☐											
TOTAL METALS (RCRA) ☐						FLASHPOINT ☐											
LEAD - TOTAL ☐						% MOISTURE ☐											
TCI ☐						CYANIDE ☐											
TDS ☐						PECHLORATE ☐											
PH ☐						HEXAVALENT CHROMIUM ☐											
EXPLOSIVES ☐						ALKALINITY ☐											
CHLORIDES ☐						ANIONS ☐											
FIELD NOTES																	

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report Rev. 1

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Boyd X Silverback

Project Number: 23-0105-01

Location: New Mexico

Lab Order Number: 3E22006



Current Certification

Report Date: 06/06/23

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S9 @ 15'	3E22006-01	Soil	05/17/23 12:10	05-22-2023 10:17
S9 @ 20'	3E22006-02	Soil	05/17/23 12:30	05-22-2023 10:17
S12 @ 20'	3E22006-03	Soil	05/17/23 13:00	05-22-2023 10:17
S12 @ 25'	3E22006-04	Soil	05/17/23 13:10	05-22-2023 10:17

On secondary review by the analyst, it was discovered, that 1 clean sample had been confused with another sample that Had positive results. This was corrected and this revised report reflects the proper sample.

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S9 @ 15'
3E22006-01 (Soil)

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P3E2412	05/24/23 15:33	05/26/23 04:29	EPA 8021B
Toluene	ND	0.00116	mg/kg dry	1	P3E2412	05/24/23 15:33	05/26/23 04:29	EPA 8021B
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3E2412	05/24/23 15:33	05/26/23 04:29	EPA 8021B
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3E2412	05/24/23 15:33	05/26/23 04:29	EPA 8021B
Xylene (o)	ND	0.00116	mg/kg dry	1	P3E2412	05/24/23 15:33	05/26/23 04:29	EPA 8021B
Surrogate: 4-Bromofluorobenzene	107 %	80-120			P3E2412	05/24/23 15:33	05/26/23 04:29	EPA 8021B
Surrogate: 1,4-Difluorobenzene	97.4 %	80-120			P3E2412	05/24/23 15:33	05/26/23 04:29	EPA 8021B

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P3E2321	05/23/23 13:00	05/27/23 16:03	TPH 8015M
>C12-C28	ND	29.1	mg/kg dry	1	P3E2321	05/23/23 13:00	05/27/23 16:03	TPH 8015M
>C28-C35	ND	29.1	mg/kg dry	1	P3E2321	05/23/23 13:00	05/27/23 16:03	TPH 8015M
Surrogate: 1-Chlorooctane	92.2 %	70-130			P3E2321	05/23/23 13:00	05/27/23 16:03	TPH 8015M
Surrogate: o-Terphenyl	107 %	70-130			P3E2321	05/23/23 13:00	05/27/23 16:03	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	05/23/23 13:00	05/27/23 16:03	calc

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.43	1.16	mg/kg dry	1	P3E2210	05/22/23 08:00	05/23/23 18:55	EPA 300.0
% Moisture	14.0	0.1	%	1	P3E2311	05/23/23 08:25	05/23/23 08:30	ASTM D2216

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S9 @ 20'
3E22006-02 (Soil)

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00118	mg/kg dry	1	P3E2412	05/24/23 15:33	05/26/23 04:49	EPA 8021B
Toluene	ND	0.00118	mg/kg dry	1	P3E2412	05/24/23 15:33	05/26/23 04:49	EPA 8021B
Ethylbenzene	ND	0.00118	mg/kg dry	1	P3E2412	05/24/23 15:33	05/26/23 04:49	EPA 8021B
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P3E2412	05/24/23 15:33	05/26/23 04:49	EPA 8021B
Xylene (o)	ND	0.00118	mg/kg dry	1	P3E2412	05/24/23 15:33	05/26/23 04:49	EPA 8021B
Surrogate: 4-Bromofluorobenzene	105 %	80-120			P3E2412	05/24/23 15:33	05/26/23 04:49	EPA 8021B
Surrogate: 1,4-Difluorobenzene	96.8 %	80-120			P3E2412	05/24/23 15:33	05/26/23 04:49	EPA 8021B

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.4	mg/kg dry	1	P3E2321	05/23/23 13:00	05/27/23 16:27	TPH 8015M
>C12-C28	ND	29.4	mg/kg dry	1	P3E2321	05/23/23 13:00	05/27/23 16:27	TPH 8015M
>C28-C35	ND	29.4	mg/kg dry	1	P3E2321	05/23/23 13:00	05/27/23 16:27	TPH 8015M
Surrogate: 1-Chlorooctane	85.6 %	70-130			P3E2321	05/23/23 13:00	05/27/23 16:27	TPH 8015M
Surrogate: o-Terphenyl	100 %	70-130			P3E2321	05/23/23 13:00	05/27/23 16:27	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	05/23/23 13:00	05/27/23 16:27	calc

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.18	mg/kg dry	1	P3E2210	05/22/23 08:00	05/23/23 19:10	EPA 300.0
% Moisture	15.0	0.1	%	1	P3E2311	05/23/23 08:25	05/23/23 08:30	ASTM D2216

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.	Project: Boyd X Silverback
P.O. Box 50685	Project Number: 23-0105-01
Midland TX, 79710	Project Manager: Mark Larson

S12 @ 20'
3E22006-03 (Soil)

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00120	mg/kg dry	1	P3E2412	05/24/23 15:33	05/26/23 05:10	EPA 8021B
Toluene	ND	0.00120	mg/kg dry	1	P3E2412	05/24/23 15:33	05/26/23 05:10	EPA 8021B
Ethylbenzene	ND	0.00120	mg/kg dry	1	P3E2412	05/24/23 15:33	05/26/23 05:10	EPA 8021B
Xylene (p/m)	ND	0.00241	mg/kg dry	1	P3E2412	05/24/23 15:33	05/26/23 05:10	EPA 8021B
Xylene (o)	ND	0.00120	mg/kg dry	1	P3E2412	05/24/23 15:33	05/26/23 05:10	EPA 8021B
Surrogate: 1,4-Difluorobenzene	97.3 %	80-120		P3E2412	05/24/23 15:33	05/26/23 05:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	107 %	80-120		P3E2412	05/24/23 15:33	05/26/23 05:10	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	30.1	mg/kg dry	1	P3E2321	05/23/23 13:00	05/27/23 16:50	TPH 8015M
>C12-C28	ND	30.1	mg/kg dry	1	P3E2321	05/23/23 13:00	05/27/23 16:50	TPH 8015M
>C28-C35	ND	30.1	mg/kg dry	1	P3E2321	05/23/23 13:00	05/27/23 16:50	TPH 8015M
Surrogate: 1-Chlorooctane	84.3 %	70-130		P3E2321	05/23/23 13:00	05/27/23 16:50	TPH 8015M	
Surrogate: o-Terphenyl	100 %	70-130		P3E2321	05/23/23 13:00	05/27/23 16:50	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	30.1	mg/kg dry	1	[CALC]	05/23/23 13:00	05/27/23 16:50	calc

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.20	mg/kg dry	1	P3E2210	05/22/23 08:00	05/23/23 19:24	EPA 300.0
% Moisture	17.0	0.1	%	1	P3E2311	05/23/23 08:25	05/23/23 08:30	ASTM D2216

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

S12 @ 25'
3E22006-04 (Soil)

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00120	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 20:00	EPA 8021B
Toluene	ND	0.00120	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 20:00	EPA 8021B
Ethylbenzene	ND	0.00120	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 20:00	EPA 8021B
Xylene (p/m)	ND	0.00241	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 20:00	EPA 8021B
Xylene (o)	ND	0.00120	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 20:00	EPA 8021B
Surrogate: 1,4-Difluorobenzene	100 %	80-120			P3E2606	05/26/23 13:46	05/26/23 20:00	EPA 8021B
Surrogate: 4-Bromofluorobenzene	93.2 %	80-120			P3E2606	05/26/23 13:46	05/26/23 20:00	EPA 8021B

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	30.1	mg/kg dry	1	P3E2321	05/23/23 13:00	05/27/23 17:14	TPH 8015M
>C12-C28	ND	30.1	mg/kg dry	1	P3E2321	05/23/23 13:00	05/27/23 17:14	TPH 8015M
>C28-C35	ND	30.1	mg/kg dry	1	P3E2321	05/23/23 13:00	05/27/23 17:14	TPH 8015M
Surrogate: 1-Chlorooctane	86.5 %	70-130			P3E2321	05/23/23 13:00	05/27/23 17:14	TPH 8015M
Surrogate: o-Terphenyl	101 %	70-130			P3E2321	05/23/23 13:00	05/27/23 17:14	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	30.1	mg/kg dry	1	[CALC]	05/23/23 13:00	05/27/23 17:14	calc

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.20	mg/kg dry	1	P3E2210	05/22/23 08:00	05/23/23 19:38	EPA 300.0
% Moisture	17.0	0.1	%	1	P3E2311	05/23/23 08:25	05/23/23 08:30	ASTM D2216

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3E2412 - * DEFAULT PREP *****

Blank (P3E2412-BLK1)

Prepared: 05/24/23 Analyzed: 05/25/23

Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.3	80-120			

LCS (P3E2412-BS1)

Prepared: 05/24/23 Analyzed: 05/25/23

Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		103	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.101		"	0.120		84.0	80-120			

LCS Dup (P3E2412-BSD1)

Prepared: 05/24/23 Analyzed: 05/25/23

Benzene	0.119	0.00100	mg/kg	0.100		119	80-120	0.628	20	
Toluene	0.113	0.00100	"	0.100		113	80-120	1.60	20	
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120	3.19	20	
Xylene (p/m)	0.211	0.00200	"	0.200		106	80-120	2.86	20	
Xylene (o)	0.105	0.00100	"	0.100		105	80-120	1.20	20	
Surrogate: 1,4-Difluorobenzene	0.103		"	0.120		85.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.2	80-120			

Calibration Blank (P3E2412-CCB1)

Prepared: 05/24/23 Analyzed: 05/25/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.4	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3E2412 - * DEFAULT PREP *****

Calibration Blank (P3E2412-CCB2)

Prepared: 05/24/23 Analyzed: 05/26/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.8	80-120			

Calibration Check (P3E2412-CCV1)

Prepared: 05/24/23 Analyzed: 05/25/23

Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.114	0.00100	"	0.100		114	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.208	0.00200	"	0.200		104	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.3	75-125			

Calibration Check (P3E2412-CCV2)

Prepared: 05/24/23 Analyzed: 05/26/23

Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.5	75-125			

Calibration Check (P3E2412-CCV3)

Prepared: 05/24/23 Analyzed: 05/26/23

Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.114	0.00100	"	0.100		114	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.206	0.00200	"	0.200		103	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.2	75-125			
Surrogate: 1,4-Difluorobenzene	0.100		"	0.120		83.3	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.	Project: Boyd X Silverback
P.O. Box 50685	Project Number: 23-0105-01
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3E2412 - *** DEFAULT PREP ***

Matrix Spike (P3E2412-MS1)		Source: 3E18004-03		Prepared: 05/24/23		Analyzed: 05/26/23				
Benzene	0.113	0.00105	mg/kg dry	0.105	ND	107	80-120			
Toluene	0.0865	0.00105	"	0.105	ND	82.2	80-120			
Ethylbenzene	0.0744	0.00105	"	0.105	ND	70.7	80-120			QM-05
Xylene (p/m)	0.161	0.00211	"	0.211	ND	76.7	80-120			QM-05
Xylene (o)	0.0832	0.00105	"	0.105	ND	79.1	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	0.123		"	0.126		97.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.139		"	0.126		110	80-120			

Matrix Spike Dup (P3E2412-MSD1)		Source: 3E18004-03		Prepared: 05/24/23		Analyzed: 05/26/23				
Benzene	0.122	0.00105	mg/kg dry	0.105	ND	115	80-120	7.31	20	
Toluene	0.0932	0.00105	"	0.105	ND	88.5	80-120	7.43	20	
Ethylbenzene	0.0802	0.00105	"	0.105	ND	76.2	80-120	7.47	20	QM-05
Xylene (p/m)	0.174	0.00211	"	0.211	ND	82.9	80-120	7.76	20	
Xylene (o)	0.0905	0.00105	"	0.105	ND	86.0	80-120	8.35	20	
Surrogate: 4-Bromofluorobenzene	0.141		"	0.126		112	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.126		98.5	80-120			

Batch P3E2606 - *** DEFAULT PREP ***

Blank (P3E2606-BLK1)		Prepared & Analyzed: 05/26/23								
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		86.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	80-120			

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3E2606 - * DEFAULT PREP *****

LCS (P3E2606-BS1)

Prepared & Analyzed: 05/26/23

Benzene	0.117	0.00100	mg/kg	0.100		117	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		100	80-120			
Xylene (o)	0.0969	0.00100	"	0.100		96.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.9	80-120			

LCS Dup (P3E2606-BSD1)

Prepared & Analyzed: 05/26/23

Benzene	0.119	0.00100	mg/kg	0.100		119	80-120	1.52	20	
Toluene	0.110	0.00100	"	0.100		110	80-120	4.39	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120	5.19	20	
Xylene (p/m)	0.210	0.00200	"	0.200		105	80-120	5.05	20	
Xylene (o)	0.101	0.00100	"	0.100		101	80-120	4.25	20	
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.9	80-120			

Calibration Blank (P3E2606-CCB1)

Prepared & Analyzed: 05/26/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		84.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.4	80-120			

Calibration Blank (P3E2606-CCB2)

Prepared & Analyzed: 05/26/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	80-120			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3E2606 - * DEFAULT PREP *****

Calibration Check (P3E2606-CCV1)

Prepared & Analyzed: 05/26/23

Benzene	0.104	0.00100	mg/kg	0.100		104	80-120			
Toluene	0.0898	0.00100	"	0.100		89.8	80-120			
Ethylbenzene	0.0874	0.00100	"	0.100		87.4	80-120			
Xylene (p/m)	0.172	0.00200	"	0.200		86.1	80-120			
Xylene (o)	0.0846	0.00100	"	0.100		84.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.7	75-125			

Calibration Check (P3E2606-CCV2)

Prepared & Analyzed: 05/26/23

Benzene	0.115	0.00100	mg/kg	0.100		115	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	75-125			

Calibration Check (P3E2606-CCV3)

Prepared: 05/26/23 Analyzed: 05/27/23

Benzene	0.113	0.00100	mg/kg	0.100		113	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.216	0.00200	"	0.200		108	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	75-125			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	75-125			

Matrix Spike (P3E2606-MS1)

Source: 3E22011-01

Prepared: 05/26/23 Analyzed: 05/27/23

Benzene	0.0864	0.00102	mg/kg dry	0.102	ND	84.7	80-120			
Toluene	0.0762	0.00102	"	0.102	0.00434	70.4	80-120			QM-05
Ethylbenzene	0.0707	0.00102	"	0.102	0.0109	58.6	80-120			QM-05
Xylene (p/m)	0.127	0.00204	"	0.204	0.116	5.54	80-120			QM-05
Xylene (o)	0.0602	0.00102	"	0.102	0.0412	18.6	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	0.127		"	0.122		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.130		"	0.122		106	80-120			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.	Project: Boyd X Silverback
P.O. Box 50685	Project Number: 23-0105-01
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3E2606 - *** DEFAULT PREP ***

Matrix Spike Dup (P3E2606-MSD1)	Source: 3E22011-01			Prepared: 05/26/23 Analyzed: 05/27/23						
Benzene	0.0924	0.00102	mg/kg dry	0.102	ND	90.6	80-120	6.69	20	
Toluene	0.0809	0.00102	"	0.102	0.00434	75.0	80-120	6.36	20	QM-05
Ethylbenzene	0.0718	0.00102	"	0.102	0.0109	59.6	80-120	1.76	20	QM-05
Xylene (p/m)	0.129	0.00204	"	0.204	0.116	6.35	80-120	13.5	20	QM-05
Xylene (o)	0.0596	0.00102	"	0.102	0.0412	18.0	80-120	3.34	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.129		"	0.122		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.122		103	80-120			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3E2321 - TX 1005

Blank (P3E2321-BLK1)

Prepared: 05/23/23 Analyzed: 05/27/23

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	83.0		"	100		83.0	70-130			
Surrogate: o-Terphenyl	48.2		"	50.0		96.4	70-130			

LCS (P3E2321-BS1)

Prepared: 05/23/23 Analyzed: 05/27/23

C6-C12	1170	25.0	mg/kg	1000		117	75-125			
>C12-C28	1080	25.0	"	1000		108	75-125			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	61.2		"	50.0		122	70-130			

LCS Dup (P3E2321-BSD1)

Prepared: 05/23/23 Analyzed: 05/27/23

C6-C12	1140	25.0	mg/kg	1000		114	75-125	2.60	20	
>C12-C28	1050	25.0	"	1000		105	75-125	2.53	20	
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	58.8		"	50.0		118	70-130			

Calibration Blank (P3E2321-CCB1)

Prepared: 05/23/23 Analyzed: 05/27/23

C6-C12	10.0		mg/kg							
>C12-C28	21.6		"							
Surrogate: 1-Chlorooctane	84.0		"	100		84.0	70-130			
Surrogate: o-Terphenyl	49.4		"	50.0		98.8	70-130			

Calibration Check (P3E2321-CCV1)

Prepared: 05/23/23 Analyzed: 05/27/23

C6-C12	528	25.0	mg/kg	500		106	85-115			
>C12-C28	525	25.0	"	500		105	85-115			
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	53.5		"	50.0		107	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.	Project: Boyd X Silverback
P.O. Box 50685	Project Number: 23-0105-01
Midland TX, 79710	Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3E2321 - TX 1005

Duplicate (P3E2321-DUP1)	Source: 3E19006-01			Prepared: 05/23/23 Analyzed: 05/27/23						
C6-C12	477	126	mg/kg dry		433			9.81	20	
>C12-C28	9580	126	"		9100			5.15	20	
Surrogate: 1-Chlorooctane	102		"	101		101	70-130			
Surrogate: o-Terphenyl	48.4		"	50.5		95.8	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3E2210 - * DEFAULT PREP *****

Blank (P3E2210-BLK1)

Prepared & Analyzed: 05/22/23

Chloride	ND	1.00	mg/kg							
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LCS (P3E2210-BS1)

Prepared & Analyzed: 05/22/23

Chloride	18.6		mg/kg	20.0		92.8	90-110			
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LCS Dup (P3E2210-BSD1)

Prepared & Analyzed: 05/22/23

Chloride	18.2		mg/kg	20.0		91.0	90-110	1.96	10	
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Calibration Check (P3E2210-CCV1)

Prepared & Analyzed: 05/22/23

Chloride	18.7		mg/kg	20.0		93.5	90-110			
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Calibration Check (P3E2210-CCV2)

Prepared & Analyzed: 05/22/23

Chloride	19.3		mg/kg	20.0		96.7	90-110			
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Matrix Spike (P3E2210-MS1)

Source: 3E17002-17

Prepared & Analyzed: 05/22/23

Chloride	117		mg/kg	100	17.9	99.2	80-120			
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Matrix Spike Dup (P3E2210-MSD1)

Source: 3E17002-17

Prepared & Analyzed: 05/22/23

Chloride	119		mg/kg	100	17.9	101	80-120	1.31	20	
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Batch P3E2311 - * DEFAULT PREP *****

Blank (P3E2311-BLK1)

Prepared & Analyzed: 05/23/23

% Moisture	ND	0.1	%							
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Blank (P3E2311-BLK2)

Prepared & Analyzed: 05/23/23

% Moisture	ND	0.1	%							
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.	Project: Boyd X Silverback
P.O. Box 50685	Project Number: 23-0105-01
Midland TX, 79710	Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3E2311 - *** DEFAULT PREP ***										
Blank (P3E2311-BLK3)				Prepared & Analyzed: 05/23/23						
% Moisture	ND	0.1	%							
Duplicate (P3E2311-DUP1)				Source: 3E22009-03 Prepared & Analyzed: 05/23/23						
% Moisture	9.0	0.1	%		9.0			0.00	20	
Duplicate (P3E2311-DUP2)				Source: 3E22011-01 Prepared & Analyzed: 05/23/23						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P3E2311-DUP3)				Source: 3E22015-02 Prepared & Analyzed: 05/23/23						
% Moisture	5.0	0.1	%		6.0			18.2	20	
Duplicate (P3E2311-DUP4)				Source: 3E22015-12 Prepared & Analyzed: 05/23/23						
% Moisture	ND	0.1	%		ND				20	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Boyd X Silverback
Project Number: 23-0105-01
Project Manager: Mark Larson

Notes and Definitions

ROI Received on Ice

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

NPBEL C Chain of Custody was not generated at PBELAB

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

6/6/2023

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.

Project: Boyd X Silverback

P.O. Box 50685

Project Number: 23-0105-01

Midland TX, 79710

Project Manager: Mark Larson

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

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1. *Journal of the American Medical Association*, 1997; 278: 1029-1033.



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

August 02, 2023

Rebecca Pons
BDS Enterprises
1705 E Greene St
Carlsbad, NM 88220
TEL: (575) 441-0980
FAX:

RE: Boyd X

OrderNo.: 2307749

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 93 sample(s) on 7/18/2023 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued August 01, 2023.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S1A 1'

Project: Boyd X

Collection Date: 7/12/2023 8:05:00 AM

Lab ID: 2307749-001

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/21/2023 7:45:53 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/21/2023 7:45:53 PM
Surr: DNOP	50.7	69-147	S	%Rec	1	7/21/2023 7:45:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	13	4.7		mg/Kg	1	7/20/2023 6:06:00 AM
Surr: BFB	81.9	15-244		%Rec	1	7/20/2023 6:06:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/20/2023 6:06:00 AM
Toluene	ND	0.047		mg/Kg	1	7/20/2023 6:06:00 AM
Ethylbenzene	0.52	0.047		mg/Kg	1	7/20/2023 6:06:00 AM
Xylenes, Total	4.7	0.094		mg/Kg	1	7/20/2023 6:06:00 AM
Surr: 4-Bromofluorobenzene	77.6	39.1-146		%Rec	1	7/20/2023 6:06:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	92	60		mg/Kg	20	7/21/2023 1:45:26 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 1 of 111

Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S2A 1'

Project: Boyd X

Collection Date: 7/12/2023 8:10:00 AM

Lab ID: 2307749-002

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/21/2023 8:10:27 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/21/2023 8:10:27 PM
Surr: DNOP	50.9	69-147	S	%Rec	1	7/21/2023 8:10:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	15	4.7		mg/Kg	1	7/20/2023 3:01:00 PM
Surr: BFB	84.1	15-244		%Rec	1	7/20/2023 3:01:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/20/2023 3:01:00 PM
Toluene	ND	0.047		mg/Kg	1	7/20/2023 3:01:00 PM
Ethylbenzene	0.55	0.047		mg/Kg	1	7/20/2023 3:01:00 PM
Xylenes, Total	5.2	0.095		mg/Kg	1	7/20/2023 3:01:00 PM
Surr: 4-Bromofluorobenzene	81.0	39.1-146		%Rec	1	7/20/2023 3:01:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	84	60		mg/Kg	20	7/21/2023 1:57:50 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S3A 1'

Project: Boyd X

Collection Date: 7/12/2023 8:15:00 AM

Lab ID: 2307749-003

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/21/2023 8:35:02 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/21/2023 8:35:02 PM
Surr: DNOP	40.9	69-147	S	%Rec	1	7/21/2023 8:35:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	17	4.8		mg/Kg	1	7/20/2023 3:22:00 PM
Surr: BFB	83.8	15-244		%Rec	1	7/20/2023 3:22:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/20/2023 3:22:00 PM
Toluene	ND	0.048		mg/Kg	1	7/20/2023 3:22:00 PM
Ethylbenzene	0.67	0.048		mg/Kg	1	7/20/2023 3:22:00 PM
Xylenes, Total	6.2	0.096		mg/Kg	1	7/20/2023 3:22:00 PM
Surr: 4-Bromofluorobenzene	80.1	39.1-146		%Rec	1	7/20/2023 3:22:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	84	60		mg/Kg	20	7/21/2023 2:10:14 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S4A 1'

Project: Boyd X

Collection Date: 7/12/2023 8:20:00 AM

Lab ID: 2307749-004

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/21/2023 8:59:31 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/21/2023 8:59:31 PM
Surr: DNOP	47.1	69-147	S	%Rec	1	7/21/2023 8:59:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	22	4.8		mg/Kg	1	7/20/2023 3:44:00 PM
Surr: BFB	85.9	15-244		%Rec	1	7/20/2023 3:44:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/20/2023 3:44:00 PM
Toluene	ND	0.048		mg/Kg	1	7/20/2023 3:44:00 PM
Ethylbenzene	0.82	0.048		mg/Kg	1	7/20/2023 3:44:00 PM
Xylenes, Total	7.6	0.097		mg/Kg	1	7/20/2023 3:44:00 PM
Surr: 4-Bromofluorobenzene	81.4	39.1-146		%Rec	1	7/20/2023 3:44:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	92	60		mg/Kg	20	7/21/2023 2:22:39 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S5A 1'

Project: Boyd X

Collection Date: 7/12/2023 8:25:00 AM

Lab ID: 2307749-005

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	11	9.6		mg/Kg	1	7/21/2023 9:24:01 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/21/2023 9:24:01 PM
Surr: DNOP	57.8	69-147	S	%Rec	1	7/21/2023 9:24:01 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	21	4.7		mg/Kg	1	7/20/2023 4:06:00 PM
Surr: BFB	86.5	15-244		%Rec	1	7/20/2023 4:06:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/20/2023 4:06:00 PM
Toluene	ND	0.047		mg/Kg	1	7/20/2023 4:06:00 PM
Ethylbenzene	0.78	0.047		mg/Kg	1	7/20/2023 4:06:00 PM
Xylenes, Total	7.3	0.094		mg/Kg	1	7/20/2023 4:06:00 PM
Surr: 4-Bromofluorobenzene	82.6	39.1-146		%Rec	1	7/20/2023 4:06:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	99	60		mg/Kg	20	7/21/2023 2:35:03 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S6A 1'

Project: Boyd X

Collection Date: 7/12/2023 8:30:00 AM

Lab ID: 2307749-006

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/21/2023 9:48:33 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/21/2023 9:48:33 PM
Surr: DNOP	27.6	69-147	S	%Rec	1	7/21/2023 9:48:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	18	4.9		mg/Kg	1	7/20/2023 4:28:00 PM
Surr: BFB	83.9	15-244		%Rec	1	7/20/2023 4:28:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/20/2023 4:28:00 PM
Toluene	ND	0.049		mg/Kg	1	7/20/2023 4:28:00 PM
Ethylbenzene	0.71	0.049		mg/Kg	1	7/20/2023 4:28:00 PM
Xylenes, Total	6.4	0.097		mg/Kg	1	7/20/2023 4:28:00 PM
Surr: 4-Bromofluorobenzene	80.5	39.1-146		%Rec	1	7/20/2023 4:28:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	89	60		mg/Kg	20	7/21/2023 2:47:28 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S7A 1'

Project: Boyd X

Collection Date: 7/12/2023 8:35:00 AM

Lab ID: 2307749-007

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/21/2023 10:13:02 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/21/2023 10:13:02 PM
Surr: DNOP	41.9	69-147	S	%Rec	1	7/21/2023 10:13:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	13	4.8		mg/Kg	1	7/20/2023 4:50:00 PM
Surr: BFB	81.3	15-244		%Rec	1	7/20/2023 4:50:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/20/2023 4:50:00 PM
Toluene	ND	0.048		mg/Kg	1	7/20/2023 4:50:00 PM
Ethylbenzene	0.48	0.048		mg/Kg	1	7/20/2023 4:50:00 PM
Xylenes, Total	4.4	0.096		mg/Kg	1	7/20/2023 4:50:00 PM
Surr: 4-Bromofluorobenzene	79.8	39.1-146		%Rec	1	7/20/2023 4:50:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	79	60		mg/Kg	20	7/21/2023 2:59:52 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S8A 1'

Project: Boyd X

Collection Date: 7/12/2023 8:40:00 AM

Lab ID: 2307749-008

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	7/21/2023 10:37:33 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/21/2023 10:37:33 PM
Surr: DNOP	35.2	69-147	S	%Rec	1	7/21/2023 10:37:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	24	4.8		mg/Kg	1	7/20/2023 5:12:00 PM
Surr: BFB	87.6	15-244		%Rec	1	7/20/2023 5:12:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/20/2023 5:12:00 PM
Toluene	ND	0.048		mg/Kg	1	7/20/2023 5:12:00 PM
Ethylbenzene	0.91	0.048		mg/Kg	1	7/20/2023 5:12:00 PM
Xylenes, Total	8.3	0.096		mg/Kg	1	7/20/2023 5:12:00 PM
Surr: 4-Bromofluorobenzene	82.6	39.1-146		%Rec	1	7/20/2023 5:12:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	100	60		mg/Kg	20	7/21/2023 3:37:07 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S9A 1'

Project: Boyd X

Collection Date: 7/12/2023 8:45:00 AM

Lab ID: 2307749-009

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/21/2023 11:02:00 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/21/2023 11:02:00 PM
Surr: DNOP	44.6	69-147	S	%Rec	1	7/21/2023 11:02:00 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	24	4.7		mg/Kg	1	7/20/2023 5:34:00 PM
Surr: BFB	84.5	15-244		%Rec	1	7/20/2023 5:34:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.023		mg/Kg	1	7/20/2023 5:34:00 PM
Toluene	ND	0.047		mg/Kg	1	7/20/2023 5:34:00 PM
Ethylbenzene	0.94	0.047		mg/Kg	1	7/20/2023 5:34:00 PM
Xylenes, Total	8.6	0.093		mg/Kg	1	7/20/2023 5:34:00 PM
Surr: 4-Bromofluorobenzene	80.2	39.1-146		%Rec	1	7/20/2023 5:34:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	98	60		mg/Kg	20	7/21/2023 3:49:31 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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CLIENT: BDS Enterprises
Project: Boyd X
Lab ID: 2307749-010

Client Sample ID: S10A 1'
Collection Date: 7/12/2023 8:50:00 AM
Received Date: 7/18/2023 7:10:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/21/2023 11:26:32 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/21/2023 11:26:32 PM
Surr: DNOP	42.5	69-147	S	%Rec	1	7/21/2023 11:26:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	21	4.9		mg/Kg	1	7/20/2023 5:56:00 PM
Surr: BFB	84.4	15-244		%Rec	1	7/20/2023 5:56:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/20/2023 5:56:00 PM
Toluene	ND	0.049		mg/Kg	1	7/20/2023 5:56:00 PM
Ethylbenzene	0.77	0.049		mg/Kg	1	7/20/2023 5:56:00 PM
Xylenes, Total	7.1	0.098		mg/Kg	1	7/20/2023 5:56:00 PM
Surr: 4-Bromofluorobenzene	79.8	39.1-146		%Rec	1	7/20/2023 5:56:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	87	60		mg/Kg	20	7/21/2023 3:47:30 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S12A 1'

Project: Boyd X

Collection Date: 7/12/2023 9:00:00 AM

Lab ID: 2307749-012

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	16	9.9		mg/Kg	1	7/22/2023 12:15:32 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/22/2023 12:15:32 AM
Surr: DNOP	81.2	69-147		%Rec	1	7/22/2023 12:15:32 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	23	4.9		mg/Kg	1	7/20/2023 8:29:00 PM
Surr: BFB	89.4	15-244		%Rec	1	7/20/2023 8:29:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/20/2023 8:29:00 PM
Toluene	ND	0.049		mg/Kg	1	7/20/2023 8:29:00 PM
Ethylbenzene	0.89	0.049		mg/Kg	1	7/20/2023 8:29:00 PM
Xylenes, Total	8.2	0.098		mg/Kg	1	7/20/2023 8:29:00 PM
Surr: 4-Bromofluorobenzene	78.9	39.1-146		%Rec	1	7/20/2023 8:29:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	100	59		mg/Kg	20	7/21/2023 4:12:20 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S13A 1'

Project: Boyd X

Collection Date: 7/12/2023 9:05:00 AM

Lab ID: 2307749-013

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	15	9.5		mg/Kg	1	7/22/2023 12:40:08 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2023 12:40:08 AM
Surr: DNOP	84.9	69-147		%Rec	1	7/22/2023 12:40:08 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	21	4.9		mg/Kg	1	7/20/2023 9:34:00 PM
Surr: BFB	79.7	15-244		%Rec	1	7/20/2023 9:34:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/20/2023 9:34:00 PM
Toluene	ND	0.049		mg/Kg	1	7/20/2023 9:34:00 PM
Ethylbenzene	0.79	0.049		mg/Kg	1	7/20/2023 9:34:00 PM
Xylenes, Total	7.3	0.098		mg/Kg	1	7/20/2023 9:34:00 PM
Surr: 4-Bromofluorobenzene	79.5	39.1-146		%Rec	1	7/20/2023 9:34:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	94	60		mg/Kg	20	7/21/2023 4:24:45 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S14 1'

Project: Boyd X

Collection Date: 7/12/2023 9:10:00 AM

Lab ID: 2307749-014

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	11	9.2		mg/Kg	1	7/22/2023 1:04:41 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/22/2023 1:04:41 AM
Surr: DNOP	80.2	69-147		%Rec	1	7/22/2023 1:04:41 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	15	4.9		mg/Kg	1	7/20/2023 10:39:00 PM
Surr: BFB	81.8	15-244		%Rec	1	7/20/2023 10:39:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/20/2023 10:39:00 PM
Toluene	ND	0.049		mg/Kg	1	7/20/2023 10:39:00 PM
Ethylbenzene	0.55	0.049		mg/Kg	1	7/20/2023 10:39:00 PM
Xylenes, Total	5.2	0.098		mg/Kg	1	7/20/2023 10:39:00 PM
Surr: 4-Bromofluorobenzene	78.3	39.1-146		%Rec	1	7/20/2023 10:39:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	93	60		mg/Kg	20	7/21/2023 4:37:09 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S15 1'

Project: Boyd X

Collection Date: 7/12/2023 9:15:00 AM

Lab ID: 2307749-015

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	11	9.8		mg/Kg	1	7/22/2023 1:53:47 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/22/2023 1:53:47 AM
Surr: DNOP	81.5	69-147		%Rec	1	7/22/2023 1:53:47 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	13	4.8		mg/Kg	1	7/20/2023 11:01:00 PM
Surr: BFB	78.5	15-244		%Rec	1	7/20/2023 11:01:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/20/2023 11:01:00 PM
Toluene	ND	0.048		mg/Kg	1	7/20/2023 11:01:00 PM
Ethylbenzene	0.48	0.048		mg/Kg	1	7/20/2023 11:01:00 PM
Xylenes, Total	4.5	0.097		mg/Kg	1	7/20/2023 11:01:00 PM
Surr: 4-Bromofluorobenzene	78.0	39.1-146		%Rec	1	7/20/2023 11:01:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	82	60		mg/Kg	20	7/21/2023 4:49:34 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S16 1'

Project: Boyd X

Collection Date: 7/12/2023 9:20:00 AM

Lab ID: 2307749-016

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	21	10		mg/Kg	1	7/22/2023 2:18:18 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/22/2023 2:18:18 AM
Surr: DNOP	83.2	69-147		%Rec	1	7/22/2023 2:18:18 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	41	4.9		mg/Kg	1	7/20/2023 11:23:00 PM
Surr: BFB	88.6	15-244		%Rec	1	7/20/2023 11:23:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/20/2023 11:23:00 PM
Toluene	ND	0.049		mg/Kg	1	7/20/2023 11:23:00 PM
Ethylbenzene	1.7	0.049		mg/Kg	1	7/20/2023 11:23:00 PM
Xylenes, Total	17	0.99		mg/Kg	10	7/21/2023 6:11:00 PM
Surr: 4-Bromofluorobenzene	81.7	39.1-146		%Rec	1	7/20/2023 11:23:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	120	60		mg/Kg	20	7/21/2023 5:01:58 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S17 1'

Project: Boyd X

Collection Date: 7/12/2023 9:25:00 AM

Lab ID: 2307749-017

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	27	9.3		mg/Kg	1	7/22/2023 2:42:47 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/22/2023 2:42:47 AM
Surr: DNOP	86.2	69-147		%Rec	1	7/22/2023 2:42:47 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	40	4.9		mg/Kg	1	7/20/2023 11:45:00 PM
Surr: BFB	92.2	15-244		%Rec	1	7/20/2023 11:45:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/20/2023 11:45:00 PM
Toluene	ND	0.049		mg/Kg	1	7/20/2023 11:45:00 PM
Ethylbenzene	1.6	0.049		mg/Kg	1	7/20/2023 11:45:00 PM
Xylenes, Total	16	0.98		mg/Kg	10	7/21/2023 6:33:00 PM
Surr: 4-Bromofluorobenzene	79.3	39.1-146		%Rec	1	7/20/2023 11:45:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	120	60		mg/Kg	20	7/21/2023 1:22:14 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S18 1'

Project: Boyd X

Collection Date: 7/12/2023 9:30:00 AM

Lab ID: 2307749-018

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	17	8.6		mg/Kg	1	7/22/2023 3:07:23 AM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/22/2023 3:07:23 AM
Surr: DNOP	88.3	69-147		%Rec	1	7/22/2023 3:07:23 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	27	4.9		mg/Kg	1	7/21/2023 12:06:00 AM
Surr: BFB	81.7	15-244		%Rec	1	7/21/2023 12:06:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/21/2023 12:06:00 AM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 12:06:00 AM
Ethylbenzene	1.1	0.049		mg/Kg	1	7/21/2023 12:06:00 AM
Xylenes, Total	9.8	0.098		mg/Kg	1	7/21/2023 12:06:00 AM
Surr: 4-Bromofluorobenzene	78.7	39.1-146		%Rec	1	7/21/2023 12:06:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	120	60		mg/Kg	20	7/21/2023 1:59:28 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 Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

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

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S19 1'

Project: Boyd X

Collection Date: 7/12/2023 9:35:00 AM

Lab ID: 2307749-019

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	13	9.3		mg/Kg	1	7/22/2023 3:31:56 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/22/2023 3:31:56 AM
Surr: DNOP	84.9	69-147		%Rec	1	7/22/2023 3:31:56 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	26	4.9		mg/Kg	1	7/21/2023 12:28:00 AM
Surr: BFB	78.5	15-244		%Rec	1	7/21/2023 12:28:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/21/2023 12:28:00 AM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 12:28:00 AM
Ethylbenzene	1.1	0.049		mg/Kg	1	7/21/2023 12:28:00 AM
Xylenes, Total	9.8	0.099		mg/Kg	1	7/21/2023 12:28:00 AM
Surr: 4-Bromofluorobenzene	78.1	39.1-146		%Rec	1	7/21/2023 12:28:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	110	60		mg/Kg	20	7/21/2023 2:36:42 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S20 1'

Project: Boyd X

Collection Date: 7/12/2023 9:40:00 AM

Lab ID: 2307749-020

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	19	8.9		mg/Kg	1	7/22/2023 3:56:30 AM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/22/2023 3:56:30 AM
Surr: DNOP	85.1	69-147		%Rec	1	7/22/2023 3:56:30 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	35	4.9		mg/Kg	1	7/21/2023 12:49:00 AM
Surr: BFB	84.2	15-244		%Rec	1	7/21/2023 12:49:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/21/2023 12:49:00 AM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 12:49:00 AM
Ethylbenzene	1.4	0.049		mg/Kg	1	7/21/2023 12:49:00 AM
Xylenes, Total	13	0.098		mg/Kg	1	7/21/2023 12:49:00 AM
Surr: 4-Bromofluorobenzene	80.8	39.1-146		%Rec	1	7/21/2023 12:49:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	120	60		mg/Kg	20	7/21/2023 2:49:06 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S21 1'

Project: Boyd X

Collection Date: 7/12/2023 9:45:00 AM

Lab ID: 2307749-021

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	16	9.0		mg/Kg	1	7/22/2023 4:21:01 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/22/2023 4:21:01 AM
Surr: DNOP	87.1	69-147		%Rec	1	7/22/2023 4:21:01 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	29	4.9		mg/Kg	1	7/21/2023 1:11:00 AM
Surr: BFB	85.8	15-244		%Rec	1	7/21/2023 1:11:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/21/2023 1:11:00 AM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 1:11:00 AM
Ethylbenzene	1.1	0.049		mg/Kg	1	7/21/2023 1:11:00 AM
Xylenes, Total	10	0.097		mg/Kg	1	7/21/2023 1:11:00 AM
Surr: 4-Bromofluorobenzene	79.5	39.1-146		%Rec	1	7/21/2023 1:11:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	120	60		mg/Kg	20	7/21/2023 3:26:19 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 Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

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

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S22 1'

Project: Boyd X

Collection Date: 7/12/2023 9:50:00 AM

Lab ID: 2307749-022

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	13	9.5		mg/Kg	1	7/22/2023 4:45:32 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2023 4:45:32 AM
Surr: DNOP	77.9	69-147		%Rec	1	7/22/2023 4:45:32 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	28	4.9		mg/Kg	1	7/21/2023 1:55:00 AM
Surr: BFB	83.0	15-244		%Rec	1	7/21/2023 1:55:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/21/2023 1:55:00 AM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 1:55:00 AM
Ethylbenzene	1.1	0.049		mg/Kg	1	7/21/2023 1:55:00 AM
Xylenes, Total	10	0.099		mg/Kg	1	7/21/2023 1:55:00 AM
Surr: 4-Bromofluorobenzene	82.3	39.1-146		%Rec	1	7/21/2023 1:55:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	120	60		mg/Kg	20	7/21/2023 3:38:44 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S23 1'

Project: Boyd X

Collection Date: 7/12/2023 9:55:00 AM

Lab ID: 2307749-023

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	15	8.8		mg/Kg	1	7/22/2023 5:10:03 AM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/22/2023 5:10:03 AM
Surr: DNOP	77.5	69-147		%Rec	1	7/22/2023 5:10:03 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	26	5.0		mg/Kg	1	7/21/2023 2:16:00 AM
Surr: BFB	80.5	15-244		%Rec	1	7/21/2023 2:16:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/21/2023 2:16:00 AM
Toluene	ND	0.050		mg/Kg	1	7/21/2023 2:16:00 AM
Ethylbenzene	1.0	0.050		mg/Kg	1	7/21/2023 2:16:00 AM
Xylenes, Total	9.5	0.099		mg/Kg	1	7/21/2023 2:16:00 AM
Surr: 4-Bromofluorobenzene	79.6	39.1-146		%Rec	1	7/21/2023 2:16:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	100	60		mg/Kg	20	7/21/2023 3:51:09 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 Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

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

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S24 1'

Project: Boyd X

Collection Date: 7/12/2023 10:00:00 AM

Lab ID: 2307749-024

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	23	9.3		mg/Kg	1	7/22/2023 5:34:31 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/22/2023 5:34:31 AM
Surr: DNOP	72.5	69-147		%Rec	1	7/22/2023 5:34:31 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	38	5.0		mg/Kg	1	7/21/2023 2:38:00 AM
Surr: BFB	83.9	15-244		%Rec	1	7/21/2023 2:38:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/21/2023 2:38:00 AM
Toluene	ND	0.050		mg/Kg	1	7/21/2023 2:38:00 AM
Ethylbenzene	1.6	0.050		mg/Kg	1	7/21/2023 2:38:00 AM
Xylenes, Total	16	0.99		mg/Kg	10	7/21/2023 6:54:00 PM
Surr: 4-Bromofluorobenzene	79.1	39.1-146		%Rec	1	7/21/2023 2:38:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	130	60		mg/Kg	20	7/21/2023 4:03:33 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S25A 1'

Project: Boyd X

Collection Date: 7/12/2023 10:05:00 AM

Lab ID: 2307749-025

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	15	8.8		mg/Kg	1	7/22/2023 5:58:51 AM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/22/2023 5:58:51 AM
Surr: DNOP	78.0	69-147		%Rec	1	7/22/2023 5:58:51 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	31	4.8		mg/Kg	1	7/21/2023 3:00:00 AM
Surr: BFB	83.0	15-244		%Rec	1	7/21/2023 3:00:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/21/2023 3:00:00 AM
Toluene	ND	0.048		mg/Kg	1	7/21/2023 3:00:00 AM
Ethylbenzene	1.3	0.048		mg/Kg	1	7/21/2023 3:00:00 AM
Xylenes, Total	11	0.095		mg/Kg	1	7/21/2023 3:00:00 AM
Surr: 4-Bromofluorobenzene	80.4	39.1-146		%Rec	1	7/21/2023 3:00:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	120	60		mg/Kg	20	7/21/2023 4:15:59 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S26A 1'

Project: Boyd X

Collection Date: 7/12/2023 10:10:00 AM

Lab ID: 2307749-026

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	14	9.2		mg/Kg	1	7/22/2023 6:23:06 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/22/2023 6:23:06 AM
Surr: DNOP	80.7	69-147		%Rec	1	7/22/2023 6:23:06 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	34	4.8		mg/Kg	1	7/21/2023 3:21:00 AM
Surr: BFB	87.5	15-244		%Rec	1	7/21/2023 3:21:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/21/2023 3:21:00 AM
Toluene	ND	0.048		mg/Kg	1	7/21/2023 3:21:00 AM
Ethylbenzene	1.4	0.048		mg/Kg	1	7/21/2023 3:21:00 AM
Xylenes, Total	13	0.096		mg/Kg	1	7/21/2023 3:21:00 AM
Surr: 4-Bromofluorobenzene	82.5	39.1-146		%Rec	1	7/21/2023 3:21:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	120	60		mg/Kg	20	7/21/2023 4:28:23 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S27A 1'

Project: Boyd X

Collection Date: 7/12/2023 10:15:00 AM

Lab ID: 2307749-027

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	16	9.4		mg/Kg	1	7/22/2023 6:47:19 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/22/2023 6:47:19 AM
Surr: DNOP	81.7	69-147		%Rec	1	7/22/2023 6:47:19 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	26	4.8		mg/Kg	1	7/21/2023 3:43:00 AM
Surr: BFB	84.9	15-244		%Rec	1	7/21/2023 3:43:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/21/2023 3:43:00 AM
Toluene	ND	0.048		mg/Kg	1	7/21/2023 3:43:00 AM
Ethylbenzene	1.0	0.048		mg/Kg	1	7/21/2023 3:43:00 AM
Xylenes, Total	9.4	0.096		mg/Kg	1	7/21/2023 3:43:00 AM
Surr: 4-Bromofluorobenzene	80.5	39.1-146		%Rec	1	7/21/2023 3:43:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	120	60		mg/Kg	20	7/21/2023 4:40:47 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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CLIENT: BDS Enterprises

Project: Boyd X

Lab ID: 2307749-028

Client Sample ID: S28A 1'

Collection Date: 7/12/2023 10:20:00 AM

Received Date: 7/18/2023 7:10:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	13	9.3		mg/Kg	1	7/22/2023 7:11:35 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/22/2023 7:11:35 AM
Surr: DNOP	81.9	69-147		%Rec	1	7/22/2023 7:11:35 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	32	4.8		mg/Kg	1	7/21/2023 4:05:00 AM
Surr: BFB	80.1	15-244		%Rec	1	7/21/2023 4:05:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/21/2023 4:05:00 AM
Toluene	ND	0.048		mg/Kg	1	7/21/2023 4:05:00 AM
Ethylbenzene	1.4	0.048		mg/Kg	1	7/21/2023 4:05:00 AM
Xylenes, Total	12	0.097		mg/Kg	1	7/21/2023 4:05:00 AM
Surr: 4-Bromofluorobenzene	79.2	39.1-146		%Rec	1	7/21/2023 4:05:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	120	60		mg/Kg	20	7/21/2023 4:53:12 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S29A 1'

Project: Boyd X

Collection Date: 7/12/2023 10:25:00 AM

Lab ID: 2307749-029

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	16	9.0		mg/Kg	1	7/22/2023 8:00:19 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/22/2023 8:00:19 AM
Surr: DNOP	84.4	69-147		%Rec	1	7/22/2023 8:00:19 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	31	4.8		mg/Kg	1	7/21/2023 4:27:00 AM
Surr: BFB	85.1	15-244		%Rec	1	7/21/2023 4:27:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/21/2023 4:27:00 AM
Toluene	ND	0.048		mg/Kg	1	7/21/2023 4:27:00 AM
Ethylbenzene	1.3	0.048		mg/Kg	1	7/21/2023 4:27:00 AM
Xylenes, Total	12	0.096		mg/Kg	1	7/21/2023 4:27:00 AM
Surr: 4-Bromofluorobenzene	80.5	39.1-146		%Rec	1	7/21/2023 4:27:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	120	60		mg/Kg	20	7/21/2023 5:05:37 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S30A 1'

Project: Boyd X

Collection Date: 7/12/2023 10:30:00 AM

Lab ID: 2307749-030

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	14	9.4		mg/Kg	1	7/22/2023 8:24:44 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/22/2023 8:24:44 AM
Surr: DNOP	84.1	69-147		%Rec	1	7/22/2023 8:24:44 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	27	4.9		mg/Kg	1	7/21/2023 4:48:00 AM
Surr: BFB	86.9	15-244		%Rec	1	7/21/2023 4:48:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/21/2023 4:48:00 AM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 4:48:00 AM
Ethylbenzene	1.1	0.049		mg/Kg	1	7/21/2023 4:48:00 AM
Xylenes, Total	9.8	0.098		mg/Kg	1	7/21/2023 4:48:00 AM
Surr: 4-Bromofluorobenzene	79.6	39.1-146		%Rec	1	7/21/2023 4:48:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	110	60		mg/Kg	20	7/21/2023 5:18:01 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S31A 1'

Project: Boyd X

Collection Date: 7/12/2023 10:35:00 AM

Lab ID: 2307749-031

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	15	9.5		mg/Kg	1	7/22/2023 8:49:04 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2023 8:49:04 AM
Surr: DNOP	83.1	69-147		%Rec	1	7/22/2023 8:49:04 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	22	4.9		mg/Kg	1	7/21/2023 5:10:00 AM
Surr: BFB	80.8	15-244		%Rec	1	7/21/2023 5:10:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/21/2023 5:10:00 AM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 5:10:00 AM
Ethylbenzene	0.86	0.049		mg/Kg	1	7/21/2023 5:10:00 AM
Xylenes, Total	8.0	0.097		mg/Kg	1	7/21/2023 5:10:00 AM
Surr: 4-Bromofluorobenzene	78.4	39.1-146		%Rec	1	7/21/2023 5:10:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	100	60		mg/Kg	20	7/21/2023 5:55:14 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S32A 1'

Project: Boyd X

Collection Date: 7/12/2023 10:40:00 AM

Lab ID: 2307749-032

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	17	9.6		mg/Kg	1	7/22/2023 9:13:22 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2023 9:13:22 AM
Surr: DNOP	85.9	69-147		%Rec	1	7/22/2023 9:13:22 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	38	4.8		mg/Kg	1	7/21/2023 10:38:06 AM
Surr: BFB	99.0	15-244		%Rec	1	7/21/2023 10:38:06 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/21/2023 10:38:06 AM
Toluene	ND	0.048		mg/Kg	1	7/21/2023 10:38:06 AM
Ethylbenzene	1.8	0.048		mg/Kg	1	7/21/2023 10:38:06 AM
Xylenes, Total	17	0.19		mg/Kg	2	7/21/2023 3:21:47 PM
Surr: 4-Bromofluorobenzene	118	39.1-146		%Rec	1	7/21/2023 10:38:06 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	120	60		mg/Kg	20	7/21/2023 6:07:39 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S33A 1'

Project: Boyd X

Collection Date: 7/12/2023 10:45:00 AM

Lab ID: 2307749-033

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	21	9.7		mg/Kg	1	7/22/2023 9:37:41 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2023 9:37:41 AM
Surr: DNOP	87.5	69-147		%Rec	1	7/22/2023 9:37:41 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	38	4.9		mg/Kg	1	7/21/2023 11:01:36 AM
Surr: BFB	100	15-244		%Rec	1	7/21/2023 11:01:36 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/21/2023 11:01:36 AM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 11:01:36 AM
Ethylbenzene	1.8	0.049		mg/Kg	1	7/21/2023 11:01:36 AM
Xylenes, Total	17	0.20		mg/Kg	2	7/21/2023 3:45:30 PM
Surr: 4-Bromofluorobenzene	120	39.1-146		%Rec	1	7/21/2023 11:01:36 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	120	60		mg/Kg	20	7/21/2023 6:20:04 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S34A 1'

Project: Boyd X

Collection Date: 7/12/2023 10:50:00 AM

Lab ID: 2307749-034

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	17	8.7		mg/Kg	1	7/22/2023 10:02:02 AM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/22/2023 10:02:02 AM
Surr: DNOP	86.9	69-147		%Rec	1	7/22/2023 10:02:02 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	38	4.9		mg/Kg	1	7/21/2023 11:25:08 AM
Surr: BFB	103	15-244		%Rec	1	7/21/2023 11:25:08 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/21/2023 11:25:08 AM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 11:25:08 AM
Ethylbenzene	1.8	0.049		mg/Kg	1	7/21/2023 11:25:08 AM
Xylenes, Total	17	0.20		mg/Kg	2	7/21/2023 4:09:12 PM
Surr: 4-Bromofluorobenzene	124	39.1-146		%Rec	1	7/21/2023 11:25:08 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	120	60		mg/Kg	20	7/21/2023 6:32:28 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S35A 1'

Project: Boyd X

Collection Date: 7/12/2023 10:55:00 AM

Lab ID: 2307749-035

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	9.9	8.5		mg/Kg	1	7/22/2023 10:26:30 AM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/22/2023 10:26:30 AM
Surr: DNOP	79.4	69-147		%Rec	1	7/22/2023 10:26:30 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	27	4.9		mg/Kg	1	7/21/2023 11:48:41 AM
Surr: BFB	98.0	15-244		%Rec	1	7/21/2023 11:48:41 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/21/2023 11:48:41 AM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 11:48:41 AM
Ethylbenzene	1.3	0.049		mg/Kg	1	7/21/2023 11:48:41 AM
Xylenes, Total	12	0.098		mg/Kg	1	7/21/2023 11:48:41 AM
Surr: 4-Bromofluorobenzene	118	39.1-146		%Rec	1	7/21/2023 11:48:41 AM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	110	60		mg/Kg	20	7/21/2023 6:44:52 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S36A 1'

Project: Boyd X

Collection Date: 7/12/2023 10:00:00 AM

Lab ID: 2307749-036

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	22	10		mg/Kg	1	7/22/2023 10:50:52 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/22/2023 10:50:52 AM
Surr: DNOP	88.2	69-147		%Rec	1	7/22/2023 10:50:52 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	44	4.7		mg/Kg	1	7/21/2023 12:12:18 PM
Surr: BFB	106	15-244		%Rec	1	7/21/2023 12:12:18 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/21/2023 12:12:18 PM
Toluene	ND	0.047		mg/Kg	1	7/21/2023 12:12:18 PM
Ethylbenzene	2.0	0.047		mg/Kg	1	7/21/2023 12:12:18 PM
Xylenes, Total	19	0.19		mg/Kg	2	7/21/2023 4:32:58 PM
Surr: 4-Bromofluorobenzene	123	39.1-146		%Rec	1	7/21/2023 12:12:18 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	120	60		mg/Kg	20	7/21/2023 6:57:16 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S37A 1'

Project: Boyd X

Collection Date: 7/12/2023 11:05:00 AM

Lab ID: 2307749-037

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	9.9	9.3		mg/Kg	1	7/22/2023 11:15:15 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/22/2023 11:15:15 AM
Surr: DNOP	89.1	69-147		%Rec	1	7/22/2023 11:15:15 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	13	4.8		mg/Kg	1	7/21/2023 12:35:58 PM
Surr: BFB	99.2	15-244		%Rec	1	7/21/2023 12:35:58 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/21/2023 12:35:58 PM
Toluene	ND	0.048		mg/Kg	1	7/21/2023 12:35:58 PM
Ethylbenzene	0.54	0.048		mg/Kg	1	7/21/2023 12:35:58 PM
Xylenes, Total	5.3	0.095		mg/Kg	1	7/21/2023 12:35:58 PM
Surr: 4-Bromofluorobenzene	122	39.1-146		%Rec	1	7/21/2023 12:35:58 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	81	60		mg/Kg	20	7/24/2023 12:45:00 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 Quantitative Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.

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

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S38A 1'

Project: Boyd X

Collection Date: 7/12/2023 11:10:00 AM

Lab ID: 2307749-038

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	9.0	8.9		mg/Kg	1	7/22/2023 11:39:41 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/22/2023 11:39:41 AM
Surr: DNOP	92.5	69-147		%Rec	1	7/22/2023 11:39:41 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	15	4.7		mg/Kg	1	7/21/2023 12:59:35 PM
Surr: BFB	98.6	15-244		%Rec	1	7/21/2023 12:59:35 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/21/2023 12:59:35 PM
Toluene	ND	0.047		mg/Kg	1	7/21/2023 12:59:35 PM
Ethylbenzene	0.62	0.047		mg/Kg	1	7/21/2023 12:59:35 PM
Xylenes, Total	6.2	0.094		mg/Kg	1	7/21/2023 12:59:35 PM
Surr: 4-Bromofluorobenzene	121	39.1-146		%Rec	1	7/21/2023 12:59:35 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	79	59		mg/Kg	20	7/24/2023 1:22:14 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S39A 1'

Project: Boyd X

Collection Date: 7/12/2023 11:15:00 AM

Lab ID: 2307749-039

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	11	8.8		mg/Kg	1	7/22/2023 12:04:06 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/22/2023 12:04:06 PM
Surr: DNOP	80.6	69-147		%Rec	1	7/22/2023 12:04:06 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	14	5.0		mg/Kg	1	7/21/2023 1:23:16 PM
Surr: BFB	101	15-244		%Rec	1	7/21/2023 1:23:16 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/21/2023 1:23:16 PM
Toluene	ND	0.050		mg/Kg	1	7/21/2023 1:23:16 PM
Ethylbenzene	0.49	0.050		mg/Kg	1	7/21/2023 1:23:16 PM
Xylenes, Total	5.1	0.10		mg/Kg	1	7/21/2023 1:23:16 PM
Surr: 4-Bromofluorobenzene	122	39.1-146		%Rec	1	7/21/2023 1:23:16 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	89	60		mg/Kg	20	7/24/2023 1:59:27 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S40A 1'

Project: Boyd X

Collection Date: 7/12/2023 11:20:00 AM

Lab ID: 2307749-040

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	9.7	9.3		mg/Kg	1	7/22/2023 12:28:35 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/22/2023 12:28:35 PM
Surr: DNOP	82.3	69-147		%Rec	1	7/22/2023 12:28:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	14	4.9		mg/Kg	1	7/21/2023 1:46:58 PM
Surr: BFB	99.6	15-244		%Rec	1	7/21/2023 1:46:58 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/21/2023 1:46:58 PM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 1:46:58 PM
Ethylbenzene	0.54	0.049		mg/Kg	1	7/21/2023 1:46:58 PM
Xylenes, Total	5.5	0.098		mg/Kg	1	7/21/2023 1:46:58 PM
Surr: 4-Bromofluorobenzene	121	39.1-146		%Rec	1	7/21/2023 1:46:58 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	88	60		mg/Kg	20	7/24/2023 2:11:51 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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CLIENT: BDS Enterprises
Project: Boyd X
Lab ID: 2307749-041

Client Sample ID: S41A 1'
Collection Date: 7/12/2023 11:25:00 AM
Received Date: 7/18/2023 7:10:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/22/2023 12:53:01 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/22/2023 12:53:01 PM
Surr: DNOP	86.4	69-147		%Rec	1	7/22/2023 12:53:01 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	11	4.8		mg/Kg	1	7/21/2023 2:10:39 PM
Surr: BFB	100	15-244		%Rec	1	7/21/2023 2:10:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/21/2023 2:10:39 PM
Toluene	ND	0.048		mg/Kg	1	7/21/2023 2:10:39 PM
Ethylbenzene	0.38	0.048		mg/Kg	1	7/21/2023 2:10:39 PM
Xylenes, Total	4.0	0.097		mg/Kg	1	7/21/2023 2:10:39 PM
Surr: 4-Bromofluorobenzene	122	39.1-146		%Rec	1	7/21/2023 2:10:39 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	85	60		mg/Kg	20	7/24/2023 2:24:16 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S42A 1'

Project: Boyd X

Collection Date: 7/12/2023 11:30:00 AM

Lab ID: 2307749-042

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/22/2023 1:17:30 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2023 1:17:30 PM
Surr: DNOP	83.6	69-147		%Rec	1	7/22/2023 1:17:30 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	12	5.0		mg/Kg	1	7/21/2023 3:36:36 AM
Surr: BFB	96.6	15-244		%Rec	1	7/21/2023 3:36:36 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/21/2023 3:36:36 AM
Toluene	ND	0.050		mg/Kg	1	7/21/2023 3:36:36 AM
Ethylbenzene	0.55	0.050		mg/Kg	1	7/21/2023 3:36:36 AM
Xylenes, Total	5.3	0.10		mg/Kg	1	7/21/2023 3:36:36 AM
Surr: 4-Bromofluorobenzene	121	39.1-146		%Rec	1	7/21/2023 3:36:36 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	73	60		mg/Kg	20	7/24/2023 2:36:40 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S43A 1'

Project: Boyd X

Collection Date: 7/12/2023 11:35:00 AM

Lab ID: 2307749-043

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/22/2023 2:06:29 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/22/2023 2:06:29 PM
Surr: DNOP	83.6	69-147		%Rec	1	7/22/2023 2:06:29 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	11	4.8		mg/Kg	1	7/21/2023 4:00:04 AM
Surr: BFB	93.0	15-244		%Rec	1	7/21/2023 4:00:04 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/21/2023 4:00:04 AM
Toluene	ND	0.048		mg/Kg	1	7/21/2023 4:00:04 AM
Ethylbenzene	0.49	0.048		mg/Kg	1	7/21/2023 4:00:04 AM
Xylenes, Total	4.9	0.097		mg/Kg	1	7/21/2023 4:00:04 AM
Surr: 4-Bromofluorobenzene	117	39.1-146		%Rec	1	7/21/2023 4:00:04 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	80	60		mg/Kg	20	7/24/2023 3:13:53 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 Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

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

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S44A 1'

Project: Boyd X

Collection Date: 7/12/2023 11:40:00 AM

Lab ID: 2307749-044

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	7/22/2023 2:31:04 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/22/2023 2:31:04 PM
Surr: DNOP	84.8	69-147		%Rec	1	7/22/2023 2:31:04 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	9.8	4.8		mg/Kg	1	7/21/2023 4:23:37 AM
Surr: BFB	93.4	15-244		%Rec	1	7/21/2023 4:23:37 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/21/2023 4:23:37 AM
Toluene	ND	0.048		mg/Kg	1	7/21/2023 4:23:37 AM
Ethylbenzene	0.40	0.048		mg/Kg	1	7/21/2023 4:23:37 AM
Xylenes, Total	3.9	0.096		mg/Kg	1	7/21/2023 4:23:37 AM
Surr: 4-Bromofluorobenzene	118	39.1-146		%Rec	1	7/21/2023 4:23:37 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	87	59		mg/Kg	20	7/24/2023 3:26:18 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S45A 1'

Project: Boyd X

Collection Date: 7/12/2023 11:45:00 AM

Lab ID: 2307749-045

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/22/2023 2:55:39 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2023 2:55:39 PM
Surr: DNOP	85.6	69-147		%Rec	1	7/22/2023 2:55:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	14	4.7		mg/Kg	1	7/21/2023 4:47:14 AM
Surr: BFB	95.7	15-244		%Rec	1	7/21/2023 4:47:14 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/21/2023 4:47:14 AM
Toluene	ND	0.047		mg/Kg	1	7/21/2023 4:47:14 AM
Ethylbenzene	0.68	0.047		mg/Kg	1	7/21/2023 4:47:14 AM
Xylenes, Total	6.4	0.095		mg/Kg	1	7/21/2023 4:47:14 AM
Surr: 4-Bromofluorobenzene	119	39.1-146		%Rec	1	7/21/2023 4:47:14 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	72	59		mg/Kg	20	7/24/2023 3:38:42 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S46A 1'

Project: Boyd X

Collection Date: 7/12/2023 11:50:00 AM

Lab ID: 2307749-046

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/22/2023 3:20:12 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/22/2023 3:20:12 PM
Surr: DNOP	84.4	69-147		%Rec	1	7/22/2023 3:20:12 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	11	4.8		mg/Kg	1	7/21/2023 5:10:48 AM
Surr: BFB	93.7	15-244		%Rec	1	7/21/2023 5:10:48 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/21/2023 5:10:48 AM
Toluene	ND	0.048		mg/Kg	1	7/21/2023 5:10:48 AM
Ethylbenzene	0.47	0.048		mg/Kg	1	7/21/2023 5:10:48 AM
Xylenes, Total	4.5	0.096		mg/Kg	1	7/21/2023 5:10:48 AM
Surr: 4-Bromofluorobenzene	118	39.1-146		%Rec	1	7/21/2023 5:10:48 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	85	60		mg/Kg	20	7/24/2023 3:51:07 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S47A 1'

Project: Boyd X

Collection Date: 7/12/2023 11:55:00 AM

Lab ID: 2307749-047

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	9.0	8.4		mg/Kg	1	7/22/2023 3:44:45 PM
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	7/22/2023 3:44:45 PM
Surr: DNOP	84.7	69-147		%Rec	1	7/22/2023 3:44:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	15	4.9		mg/Kg	1	7/21/2023 5:34:17 AM
Surr: BFB	94.4	15-244		%Rec	1	7/21/2023 5:34:17 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/21/2023 5:34:17 AM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 5:34:17 AM
Ethylbenzene	0.68	0.049		mg/Kg	1	7/21/2023 5:34:17 AM
Xylenes, Total	6.5	0.098		mg/Kg	1	7/21/2023 5:34:17 AM
Surr: 4-Bromofluorobenzene	118	39.1-146		%Rec	1	7/21/2023 5:34:17 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	73	60		mg/Kg	20	7/24/2023 4:03:31 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S48A 1'

Project: Boyd X

Collection Date: 7/12/2023 12:00:00 PM

Lab ID: 2307749-048

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/22/2023 4:09:22 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/22/2023 4:09:22 PM
Surr: DNOP	83.6	69-147		%Rec	1	7/22/2023 4:09:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	10	4.8		mg/Kg	1	7/21/2023 5:57:56 AM
Surr: BFB	92.5	15-244		%Rec	1	7/21/2023 5:57:56 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/21/2023 5:57:56 AM
Toluene	ND	0.048		mg/Kg	1	7/21/2023 5:57:56 AM
Ethylbenzene	0.47	0.048		mg/Kg	1	7/21/2023 5:57:56 AM
Xylenes, Total	4.4	0.095		mg/Kg	1	7/21/2023 5:57:56 AM
Surr: 4-Bromofluorobenzene	117	39.1-146		%Rec	1	7/21/2023 5:57:56 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	81	60		mg/Kg	20	7/24/2023 4:15:55 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S49A 1'

Project: Boyd X

Collection Date: 7/12/2023 12:05:00 PM

Lab ID: 2307749-049

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/22/2023 4:34:00 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2023 4:34:00 PM
Surr: DNOP	85.0	69-147		%Rec	1	7/22/2023 4:34:00 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	6.3	4.9		mg/Kg	1	7/21/2023 6:21:26 AM
Surr: BFB	91.0	15-244		%Rec	1	7/21/2023 6:21:26 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/21/2023 6:21:26 AM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 6:21:26 AM
Ethylbenzene	0.27	0.049		mg/Kg	1	7/21/2023 6:21:26 AM
Xylenes, Total	2.6	0.098		mg/Kg	1	7/21/2023 6:21:26 AM
Surr: 4-Bromofluorobenzene	115	39.1-146		%Rec	1	7/21/2023 6:21:26 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	82	60		mg/Kg	20	7/24/2023 4:53:09 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S50A 1'

Project: Boyd X

Collection Date: 7/12/2023 12:10:00 PM

Lab ID: 2307749-050

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	7/22/2023 4:58:40 PM
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	7/22/2023 4:58:40 PM
Surr: DNOP	86.5	69-147		%Rec	1	7/22/2023 4:58:40 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/21/2023 6:44:52 AM
Surr: BFB	90.6	15-244		%Rec	1	7/21/2023 6:44:52 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/21/2023 6:44:52 AM
Toluene	ND	0.050		mg/Kg	1	7/21/2023 6:44:52 AM
Ethylbenzene	0.14	0.050		mg/Kg	1	7/21/2023 6:44:52 AM
Xylenes, Total	1.3	0.099		mg/Kg	1	7/21/2023 6:44:52 AM
Surr: 4-Bromofluorobenzene	116	39.1-146		%Rec	1	7/21/2023 6:44:52 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	82	60		mg/Kg	20	7/24/2023 5:05:33 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S51A 1'

Project: Boyd X

Collection Date: 7/12/2023 12:15:00 PM

Lab ID: 2307749-051

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/22/2023 5:23:17 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/22/2023 5:23:17 PM
Surr: DNOP	87.6	69-147		%Rec	1	7/22/2023 5:23:17 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	8.0	5.0		mg/Kg	1	7/21/2023 7:08:20 AM
Surr: BFB	92.7	15-244		%Rec	1	7/21/2023 7:08:20 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/21/2023 7:08:20 AM
Toluene	ND	0.050		mg/Kg	1	7/21/2023 7:08:20 AM
Ethylbenzene	0.38	0.050		mg/Kg	1	7/21/2023 7:08:20 AM
Xylenes, Total	3.5	0.10		mg/Kg	1	7/21/2023 7:08:20 AM
Surr: 4-Bromofluorobenzene	116	39.1-146		%Rec	1	7/21/2023 7:08:20 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	81	61		mg/Kg	20	7/24/2023 6:32:26 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S52A 1'

Project: Boyd X

Collection Date: 7/12/2023 12:20:00 PM

Lab ID: 2307749-052

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	7/22/2023 5:47:50 PM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/22/2023 5:47:50 PM
Surr: DNOP	69.0	69-147	S	%Rec	1	7/22/2023 5:47:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/21/2023 1:15:44 AM
Surr: BFB	93.1	15-244		%Rec	1	7/21/2023 1:15:44 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/21/2023 1:15:44 AM
Toluene	ND	0.048		mg/Kg	1	7/21/2023 1:15:44 AM
Ethylbenzene	0.079	0.048		mg/Kg	1	7/21/2023 1:15:44 AM
Xylenes, Total	0.73	0.096		mg/Kg	1	7/21/2023 1:15:44 AM
Surr: 4-Bromofluorobenzene	121	39.1-146		%Rec	1	7/21/2023 1:15:44 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	84	60		mg/Kg	20	7/24/2023 6:44:50 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 Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

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

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S53A 1'

Project: Boyd X

Collection Date: 7/12/2023 12:25:00 PM

Lab ID: 2307749-053

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	7/22/2023 6:12:20 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/22/2023 6:12:20 PM
Surr: DNOP	50.9	69-147	S	%Rec	1	7/22/2023 6:12:20 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/21/2023 1:39:17 AM
Surr: BFB	90.2	15-244		%Rec	1	7/21/2023 1:39:17 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/21/2023 1:39:17 AM
Toluene	ND	0.050		mg/Kg	1	7/21/2023 1:39:17 AM
Ethylbenzene	0.089	0.050		mg/Kg	1	7/21/2023 1:39:17 AM
Xylenes, Total	0.79	0.099		mg/Kg	1	7/21/2023 1:39:17 AM
Surr: 4-Bromofluorobenzene	116	39.1-146		%Rec	1	7/21/2023 1:39:17 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	87	60		mg/Kg	20	7/24/2023 6:57:15 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S54A 1'

Project: Boyd X

Collection Date: 7/12/2023 12:30:00 PM

Lab ID: 2307749-054

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/22/2023 6:36:44 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2023 6:36:44 PM
Surr: DNOP	53.9	69-147	S	%Rec	1	7/22/2023 6:36:44 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/21/2023 8:53:10 PM
Surr: BFB	95.1	15-244		%Rec	1	7/21/2023 8:53:10 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/21/2023 8:53:10 PM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 8:53:10 PM
Ethylbenzene	0.084	0.049		mg/Kg	1	7/21/2023 8:53:10 PM
Xylenes, Total	0.76	0.099		mg/Kg	1	7/21/2023 8:53:10 PM
Surr: 4-Bromofluorobenzene	120	39.1-146		%Rec	1	7/21/2023 8:53:10 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	94	60		mg/Kg	20	7/24/2023 7:09:39 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S55A 1'

Project: Boyd X

Collection Date: 7/12/2023 12:35:00 PM

Lab ID: 2307749-055

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	7/22/2023 7:01:10 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/22/2023 7:01:10 PM
Surr: DNOP	58.7	69-147	S	%Rec	1	7/22/2023 7:01:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	7.7	4.9		mg/Kg	1	7/21/2023 10:03:39 PM
Surr: BFB	95.1	15-244		%Rec	1	7/21/2023 10:03:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/21/2023 10:03:39 PM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 10:03:39 PM
Ethylbenzene	0.37	0.049		mg/Kg	1	7/21/2023 10:03:39 PM
Xylenes, Total	3.6	0.098		mg/Kg	1	7/21/2023 10:03:39 PM
Surr: 4-Bromofluorobenzene	119	39.1-146		%Rec	1	7/21/2023 10:03:39 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	83	60		mg/Kg	20	7/24/2023 7:22:04 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S56A 1'

Project: Boyd X

Collection Date: 7/12/2023 12:40:00 PM

Lab ID: 2307749-056

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	7/22/2023 7:25:36 PM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/22/2023 7:25:36 PM
Surr: DNOP	43.7	69-147	S	%Rec	1	7/22/2023 7:25:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/21/2023 11:13:55 PM
Surr: BFB	92.0	15-244		%Rec	1	7/21/2023 11:13:55 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/21/2023 11:13:55 PM
Toluene	ND	0.048		mg/Kg	1	7/21/2023 11:13:55 PM
Ethylbenzene	0.17	0.048		mg/Kg	1	7/21/2023 11:13:55 PM
Xylenes, Total	1.6	0.097		mg/Kg	1	7/21/2023 11:13:55 PM
Surr: 4-Bromofluorobenzene	117	39.1-146		%Rec	1	7/21/2023 11:13:55 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	83	60		mg/Kg	20	7/24/2023 7:34:28 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S57A 1'

Project: Boyd X

Collection Date: 7/12/2023 12:45:00 PM

Lab ID: 2307749-057

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	7/22/2023 8:14:30 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/22/2023 8:14:30 PM
Surr: DNOP	86.0	69-147		%Rec	1	7/22/2023 8:14:30 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	5.0	4.9		mg/Kg	1	7/21/2023 11:37:18 PM
Surr: BFB	93.5	15-244		%Rec	1	7/21/2023 11:37:18 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/21/2023 11:37:18 PM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 11:37:18 PM
Ethylbenzene	0.22	0.049		mg/Kg	1	7/21/2023 11:37:18 PM
Xylenes, Total	2.1	0.099		mg/Kg	1	7/21/2023 11:37:18 PM
Surr: 4-Bromofluorobenzene	119	39.1-146		%Rec	1	7/21/2023 11:37:18 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	86	60		mg/Kg	20	7/24/2023 8:11:42 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S59A 1'

Project: Boyd X

Collection Date: 7/12/2023 12:55:00 PM

Lab ID: 2307749-059

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	7/22/2023 9:03:32 PM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/22/2023 9:03:32 PM
Surr: DNOP	54.1	69-147	S	%Rec	1	7/22/2023 9:03:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/22/2023 12:24:09 AM
Surr: BFB	93.3	15-244		%Rec	1	7/22/2023 12:24:09 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/22/2023 12:24:09 AM
Toluene	ND	0.050		mg/Kg	1	7/22/2023 12:24:09 AM
Ethylbenzene	0.089	0.050		mg/Kg	1	7/22/2023 12:24:09 AM
Xylenes, Total	0.84	0.099		mg/Kg	1	7/22/2023 12:24:09 AM
Surr: 4-Bromofluorobenzene	119	39.1-146		%Rec	1	7/22/2023 12:24:09 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	90	60		mg/Kg	20	7/24/2023 8:36:32 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S60A 1'

Project: Boyd X

Collection Date: 7/12/2023 1:00:00 PM

Lab ID: 2307749-060

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.4		mg/Kg	1	7/22/2023 9:27:58 PM
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	7/22/2023 9:27:58 PM
Surr: DNOP	42.6	69-147	S	%Rec	1	7/22/2023 9:27:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/22/2023 12:47:40 AM
Surr: BFB	91.3	15-244		%Rec	1	7/22/2023 12:47:40 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/22/2023 12:47:40 AM
Toluene	ND	0.048		mg/Kg	1	7/22/2023 12:47:40 AM
Ethylbenzene	0.067	0.048		mg/Kg	1	7/22/2023 12:47:40 AM
Xylenes, Total	0.56	0.096		mg/Kg	1	7/22/2023 12:47:40 AM
Surr: 4-Bromofluorobenzene	117	39.1-146		%Rec	1	7/22/2023 12:47:40 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	91	60		mg/Kg	20	7/24/2023 8:48:55 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S61 1'

Project: Boyd X

Collection Date: 7/12/2023 1:05:00 PM

Lab ID: 2307749-061

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	7/22/2023 9:52:21 PM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/22/2023 9:52:21 PM
Surr: DNOP	65.5	69-147	S	%Rec	1	7/22/2023 9:52:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/22/2023 1:11:10 AM
Surr: BFB	92.3	15-244		%Rec	1	7/22/2023 1:11:10 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/22/2023 1:11:10 AM
Toluene	ND	0.050		mg/Kg	1	7/22/2023 1:11:10 AM
Ethylbenzene	0.15	0.050		mg/Kg	1	7/22/2023 1:11:10 AM
Xylenes, Total	1.4	0.099		mg/Kg	1	7/22/2023 1:11:10 AM
Surr: 4-Bromofluorobenzene	118	39.1-146		%Rec	1	7/22/2023 1:11:10 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	84	60		mg/Kg	20	7/24/2023 9:01:20 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S62 1'

Project: Boyd X

Collection Date: 7/12/2023 1:10:00 PM

Lab ID: 2307749-062

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/22/2023 10:16:42 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/22/2023 10:16:42 PM
Surr: DNOP	53.2	69-147	S	%Rec	1	7/22/2023 10:16:42 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	6.2	4.9		mg/Kg	1	7/22/2023 1:34:31 AM
Surr: BFB	93.7	15-244		%Rec	1	7/22/2023 1:34:31 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/22/2023 1:34:31 AM
Toluene	ND	0.049		mg/Kg	1	7/22/2023 1:34:31 AM
Ethylbenzene	0.32	0.049		mg/Kg	1	7/22/2023 1:34:31 AM
Xylenes, Total	2.9	0.099		mg/Kg	1	7/22/2023 1:34:31 AM
Surr: 4-Bromofluorobenzene	120	39.1-146		%Rec	1	7/22/2023 1:34:31 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	82	60		mg/Kg	20	7/24/2023 9:13:45 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S63 1'

Project: Boyd X

Collection Date: 7/12/2023 1:15:00 PM

Lab ID: 2307749-063

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/22/2023 10:41:05 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2023 10:41:05 PM
Surr: DNOP	68.0	69-147	S	%Rec	1	7/22/2023 10:41:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/22/2023 1:57:58 AM
Surr: BFB	91.5	15-244		%Rec	1	7/22/2023 1:57:58 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/22/2023 1:57:58 AM
Toluene	ND	0.049		mg/Kg	1	7/22/2023 1:57:58 AM
Ethylbenzene	0.067	0.049		mg/Kg	1	7/22/2023 1:57:58 AM
Xylenes, Total	0.60	0.098		mg/Kg	1	7/22/2023 1:57:58 AM
Surr: 4-Bromofluorobenzene	116	39.1-146		%Rec	1	7/22/2023 1:57:58 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	130	60		mg/Kg	20	7/24/2023 9:26:10 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S64 1'

Project: Boyd X

Collection Date: 7/12/2023 1:20:00 PM

Lab ID: 2307749-064

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	7/22/2023 11:05:27 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/22/2023 11:05:27 PM
Surr: DNOP	58.7	69-147	S	%Rec	1	7/22/2023 11:05:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/22/2023 3:08:25 AM
Surr: BFB	91.4	15-244		%Rec	1	7/22/2023 3:08:25 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/22/2023 3:08:25 AM
Toluene	ND	0.048		mg/Kg	1	7/22/2023 3:08:25 AM
Ethylbenzene	0.095	0.048		mg/Kg	1	7/22/2023 3:08:25 AM
Xylenes, Total	0.87	0.096		mg/Kg	1	7/22/2023 3:08:25 AM
Surr: 4-Bromofluorobenzene	117	39.1-146		%Rec	1	7/22/2023 3:08:25 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	150	60		mg/Kg	20	7/24/2023 9:38:35 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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CLIENT: BDS Enterprises
Project: Boyd X
Lab ID: 2307749-065

Matrix: SOIL

Client Sample ID: S65 1'
Collection Date: 7/12/2023 1:25:00 PM
Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/22/2023 11:29:54 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/22/2023 11:29:54 PM
Surr: DNOP	47.8	69-147	S	%Rec	1	7/22/2023 11:29:54 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/22/2023 3:31:55 AM
Surr: BFB	90.2	15-244		%Rec	1	7/22/2023 3:31:55 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/22/2023 3:31:55 AM
Toluene	ND	0.048		mg/Kg	1	7/22/2023 3:31:55 AM
Ethylbenzene	ND	0.048		mg/Kg	1	7/22/2023 3:31:55 AM
Xylenes, Total	0.20	0.096		mg/Kg	1	7/22/2023 3:31:55 AM
Surr: 4-Bromofluorobenzene	116	39.1-146		%Rec	1	7/22/2023 3:31:55 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	110	60		mg/Kg	20	7/24/2023 9:50:59 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S66 1'

Project: Boyd X

Collection Date: 7/12/2023 1:30:00 PM

Lab ID: 2307749-066

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	7/22/2023 11:54:16 PM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/22/2023 11:54:16 PM
Surr: DNOP	60.5	69-147	S	%Rec	1	7/22/2023 11:54:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/22/2023 3:55:22 AM
Surr: BFB	92.0	15-244		%Rec	1	7/22/2023 3:55:22 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/22/2023 3:55:22 AM
Toluene	ND	0.048		mg/Kg	1	7/22/2023 3:55:22 AM
Ethylbenzene	0.067	0.048		mg/Kg	1	7/22/2023 3:55:22 AM
Xylenes, Total	0.59	0.096		mg/Kg	1	7/22/2023 3:55:22 AM
Surr: 4-Bromofluorobenzene	118	39.1-146		%Rec	1	7/22/2023 3:55:22 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	220	60		mg/Kg	20	7/24/2023 10:03:23 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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CLIENT: BDS Enterprises
Project: Boyd X
Lab ID: 2307749-067

Matrix: SOIL

Client Sample ID: S67 1'
Collection Date: 7/12/2023 1:35:00 PM
Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/23/2023 12:18:40 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/23/2023 12:18:40 AM
Surr: DNOP	62.3	69-147	S	%Rec	1	7/23/2023 12:18:40 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/22/2023 4:18:49 AM
Surr: BFB	91.7	15-244		%Rec	1	7/22/2023 4:18:49 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/22/2023 4:18:49 AM
Toluene	ND	0.048		mg/Kg	1	7/22/2023 4:18:49 AM
Ethylbenzene	0.075	0.048		mg/Kg	1	7/22/2023 4:18:49 AM
Xylenes, Total	0.67	0.096		mg/Kg	1	7/22/2023 4:18:49 AM
Surr: 4-Bromofluorobenzene	117	39.1-146		%Rec	1	7/22/2023 4:18:49 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	100	60		mg/Kg	20	7/24/2023 10:40:36 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S68 1'

Project: Boyd X

Collection Date: 7/12/2023 1:40:00 PM

Lab ID: 2307749-068

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	7/23/2023 12:43:02 AM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/23/2023 12:43:02 AM
Surr: DNOP	61.9	69-147	S	%Rec	1	7/23/2023 12:43:02 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/22/2023 4:42:15 AM
Surr: BFB	92.4	15-244		%Rec	1	7/22/2023 4:42:15 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/22/2023 4:42:15 AM
Toluene	ND	0.048		mg/Kg	1	7/22/2023 4:42:15 AM
Ethylbenzene	0.062	0.048		mg/Kg	1	7/22/2023 4:42:15 AM
Xylenes, Total	0.56	0.096		mg/Kg	1	7/22/2023 4:42:15 AM
Surr: 4-Bromofluorobenzene	118	39.1-146		%Rec	1	7/22/2023 4:42:15 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	110	60		mg/Kg	20	7/24/2023 10:53:01 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S69 1'

Project: Boyd X

Collection Date: 7/12/2023 1:45:00 PM

Lab ID: 2307749-069

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/23/2023 1:07:20 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/23/2023 1:07:20 AM
Surr: DNOP	61.6	69-147	S	%Rec	1	7/23/2023 1:07:20 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/22/2023 5:05:38 AM
Surr: BFB	95.0	15-244		%Rec	1	7/22/2023 5:05:38 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/22/2023 5:05:38 AM
Toluene	ND	0.050		mg/Kg	1	7/22/2023 5:05:38 AM
Ethylbenzene	0.12	0.050		mg/Kg	1	7/22/2023 5:05:38 AM
Xylenes, Total	1.1	0.099		mg/Kg	1	7/22/2023 5:05:38 AM
Surr: 4-Bromofluorobenzene	122	39.1-146		%Rec	1	7/22/2023 5:05:38 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	100	60		mg/Kg	20	7/25/2023 11:01:08 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S70 4.5'

Project: Boyd X

Collection Date: 7/12/2023 1:50:00 PM

Lab ID: 2307749-070

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	7/23/2023 1:31:39 AM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/23/2023 1:31:39 AM
Surr: DNOP	73.0	69-147		%Rec	1	7/23/2023 1:31:39 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/22/2023 5:29:08 AM
Surr: BFB	92.8	15-244		%Rec	1	7/22/2023 5:29:08 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/22/2023 5:29:08 AM
Toluene	ND	0.048		mg/Kg	1	7/22/2023 5:29:08 AM
Ethylbenzene	ND	0.048		mg/Kg	1	7/22/2023 5:29:08 AM
Xylenes, Total	ND	0.096		mg/Kg	1	7/22/2023 5:29:08 AM
Surr: 4-Bromofluorobenzene	118	39.1-146		%Rec	1	7/22/2023 5:29:08 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	61		mg/Kg	20	7/25/2023 11:13:28 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S71 4.5'

Project: Boyd X

Collection Date: 7/12/2023 1:55:00 AM

Lab ID: 2307749-071

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/23/2023 1:55:58 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/23/2023 1:55:58 AM
Surr: DNOP	69.8	69-147		%Rec	1	7/23/2023 1:55:58 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/22/2023 5:52:38 AM
Surr: BFB	91.3	15-244		%Rec	1	7/22/2023 5:52:38 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/22/2023 5:52:38 AM
Toluene	ND	0.049		mg/Kg	1	7/22/2023 5:52:38 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/22/2023 5:52:38 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/22/2023 5:52:38 AM
Surr: 4-Bromofluorobenzene	117	39.1-146		%Rec	1	7/22/2023 5:52:38 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/25/2023 11:25:48 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S72 4.5'

Project: Boyd X

Collection Date: 7/12/2023 2:00:00 PM

Lab ID: 2307749-072

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/23/2023 2:20:19 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/23/2023 2:20:19 AM
Surr: DNOP	72.0	69-147		%Rec	1	7/23/2023 2:20:19 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/22/2023 6:16:06 AM
Surr: BFB	90.5	15-244		%Rec	1	7/22/2023 6:16:06 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	7/22/2023 6:16:06 AM
Toluene	ND	0.046		mg/Kg	1	7/22/2023 6:16:06 AM
Ethylbenzene	ND	0.046		mg/Kg	1	7/22/2023 6:16:06 AM
Xylenes, Total	ND	0.092		mg/Kg	1	7/22/2023 6:16:06 AM
Surr: 4-Bromofluorobenzene	116	39.1-146		%Rec	1	7/22/2023 6:16:06 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/25/2023 11:38:08 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S73A 4.5'

Project: Boyd X

Collection Date: 7/12/2023 2:05:00 PM

Lab ID: 2307749-073

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	7/23/2023 2:44:41 AM
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	7/23/2023 2:44:41 AM
Surr: DNOP	76.3	69-147		%Rec	1	7/23/2023 2:44:41 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/22/2023 6:39:37 AM
Surr: BFB	91.3	15-244		%Rec	1	7/22/2023 6:39:37 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/22/2023 6:39:37 AM
Toluene	ND	0.048		mg/Kg	1	7/22/2023 6:39:37 AM
Ethylbenzene	ND	0.048		mg/Kg	1	7/22/2023 6:39:37 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/22/2023 6:39:37 AM
Surr: 4-Bromofluorobenzene	117	39.1-146		%Rec	1	7/22/2023 6:39:37 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/25/2023 11:50:29 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S74A 4.5'

Project: Boyd X

Collection Date: 7/12/2023 2:10:00 PM

Lab ID: 2307749-074

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/24/2023 2:53:07 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/24/2023 2:53:07 PM
Surr: DNOP	112	69-147		%Rec	1	7/24/2023 2:53:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/21/2023 9:05:00 PM
Surr: BFB	79.5	15-244		%Rec	1	7/21/2023 9:05:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/21/2023 9:05:00 PM
Toluene	ND	0.048		mg/Kg	1	7/21/2023 9:05:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/21/2023 9:05:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	7/21/2023 9:05:00 PM
Surr: 4-Bromofluorobenzene	75.6	39.1-146		%Rec	1	7/21/2023 9:05:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/26/2023 12:02:50 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S75A 4.5'

Project: Boyd X

Collection Date: 7/12/2023 2:15:00 PM

Lab ID: 2307749-075

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/27/2023 5:20:17 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/27/2023 5:20:17 PM
Surr: DNOP	133	69-147		%Rec	1	7/27/2023 5:20:17 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/21/2023 10:10:00 PM
Surr: BFB	74.6	15-244		%Rec	1	7/21/2023 10:10:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/21/2023 10:10:00 PM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 10:10:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/21/2023 10:10:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/21/2023 10:10:00 PM
Surr: 4-Bromofluorobenzene	74.9	39.1-146		%Rec	1	7/21/2023 10:10:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/26/2023 12:39:52 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S76A 4.5'

Project: Boyd X

Collection Date: 7/12/2023 2:20:00 PM

Lab ID: 2307749-076

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/24/2023 4:10:43 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/24/2023 4:10:43 PM
Surr: DNOP	109	69-147		%Rec	1	7/24/2023 4:10:43 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/21/2023 11:15:00 PM
Surr: BFB	79.7	15-244		%Rec	1	7/21/2023 11:15:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/21/2023 11:15:00 PM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 11:15:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/21/2023 11:15:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/21/2023 11:15:00 PM
Surr: 4-Bromofluorobenzene	75.3	39.1-146		%Rec	1	7/21/2023 11:15:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/26/2023 12:52:12 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S77A 4.5'

Project: Boyd X

Collection Date: 7/12/2023 2:25:00 PM

Lab ID: 2307749-077

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/24/2023 4:29:53 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/24/2023 4:29:53 PM
Surr: DNOP	103	69-147		%Rec	1	7/24/2023 4:29:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/21/2023 11:37:00 PM
Surr: BFB	79.6	15-244		%Rec	1	7/21/2023 11:37:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.023		mg/Kg	1	7/21/2023 11:37:00 PM
Toluene	ND	0.047		mg/Kg	1	7/21/2023 11:37:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	7/21/2023 11:37:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	7/21/2023 11:37:00 PM
Surr: 4-Bromofluorobenzene	78.1	39.1-146		%Rec	1	7/21/2023 11:37:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	61		mg/Kg	20	7/26/2023 1:04:33 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S78A 4.5'

Project: Boyd X

Collection Date: 7/12/2023 2:30:00 PM

Lab ID: 2307749-078

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/24/2023 4:49:14 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/24/2023 4:49:14 PM
Surr: DNOP	100	69-147		%Rec	1	7/24/2023 4:49:14 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/21/2023 11:59:00 PM
Surr: BFB	78.0	15-244		%Rec	1	7/21/2023 11:59:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/21/2023 11:59:00 PM
Toluene	ND	0.049		mg/Kg	1	7/21/2023 11:59:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/21/2023 11:59:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/21/2023 11:59:00 PM
Surr: 4-Bromofluorobenzene	76.5	39.1-146		%Rec	1	7/21/2023 11:59:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/26/2023 1:16:54 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S79A 4.5'

Project: Boyd X

Collection Date: 7/12/2023 2:35:00 PM

Lab ID: 2307749-079

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/26/2023 4:50:17 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/26/2023 4:50:17 PM
Surr: DNOP	120	69-147		%Rec	1	7/26/2023 4:50:17 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/22/2023 12:21:00 AM
Surr: BFB	75.8	15-244		%Rec	1	7/22/2023 12:21:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/22/2023 12:21:00 AM
Toluene	ND	0.049		mg/Kg	1	7/22/2023 12:21:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/22/2023 12:21:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	7/22/2023 12:21:00 AM
Surr: 4-Bromofluorobenzene	77.2	39.1-146		%Rec	1	7/22/2023 12:21:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	61		mg/Kg	20	7/26/2023 1:29:15 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S80A 4.5'

Project: Boyd X

Collection Date: 7/12/2023 2:40:00 PM

Lab ID: 2307749-080

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/24/2023 5:28:04 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/24/2023 5:28:04 PM
Surr: DNOP	119	69-147		%Rec	1	7/24/2023 5:28:04 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/22/2023 12:42:00 AM
Surr: BFB	79.6	15-244		%Rec	1	7/22/2023 12:42:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/22/2023 12:42:00 AM
Toluene	ND	0.049		mg/Kg	1	7/22/2023 12:42:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/22/2023 12:42:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/22/2023 12:42:00 AM
Surr: 4-Bromofluorobenzene	75.7	39.1-146		%Rec	1	7/22/2023 12:42:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/26/2023 1:41:36 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S81A 4.5'

Project: Boyd X

Collection Date: 7/12/2023 2:45:00 PM

Lab ID: 2307749-081

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/24/2023 6:07:58 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/24/2023 6:07:58 PM
Surr: DNOP	130	69-147		%Rec	1	7/24/2023 6:07:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/22/2023 1:04:00 AM
Surr: BFB	77.7	15-244		%Rec	1	7/22/2023 1:04:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/22/2023 1:04:00 AM
Toluene	ND	0.049		mg/Kg	1	7/22/2023 1:04:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/22/2023 1:04:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/22/2023 1:04:00 AM
Surr: 4-Bromofluorobenzene	77.2	39.1-146		%Rec	1	7/22/2023 1:04:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/26/2023 1:53:56 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S82A 4.5'

Project: Boyd X

Collection Date: 7/12/2023 2:50:00 PM

Lab ID: 2307749-082

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/24/2023 6:28:05 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/24/2023 6:28:05 PM
Surr: DNOP	96.5	69-147		%Rec	1	7/24/2023 6:28:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/22/2023 1:26:00 AM
Surr: BFB	77.1	15-244		%Rec	1	7/22/2023 1:26:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/22/2023 1:26:00 AM
Toluene	ND	0.049		mg/Kg	1	7/22/2023 1:26:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/22/2023 1:26:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/22/2023 1:26:00 AM
Surr: 4-Bromofluorobenzene	76.1	39.1-146		%Rec	1	7/22/2023 1:26:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/26/2023 2:06:17 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S83A 4.5'

Project: Boyd X

Collection Date: 7/12/2023 2:55:00 PM

Lab ID: 2307749-083

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/24/2023 6:48:01 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/24/2023 6:48:01 PM
Surr: DNOP	87.6	69-147		%Rec	1	7/24/2023 6:48:01 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/22/2023 1:47:00 AM
Surr: BFB	78.9	15-244		%Rec	1	7/22/2023 1:47:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/22/2023 1:47:00 AM
Toluene	ND	0.048		mg/Kg	1	7/22/2023 1:47:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	7/22/2023 1:47:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/22/2023 1:47:00 AM
Surr: 4-Bromofluorobenzene	76.1	39.1-146		%Rec	1	7/22/2023 1:47:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/26/2023 2:18:38 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S84A 4.5'

Project: Boyd X

Collection Date: 7/12/2023 3:00:00 PM

Lab ID: 2307749-084

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/26/2023 5:01:18 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/26/2023 5:01:18 PM
Surr: DNOP	110	69-147		%Rec	1	7/26/2023 5:01:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/22/2023 2:31:00 AM
Surr: BFB	76.3	15-244		%Rec	1	7/22/2023 2:31:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.023		mg/Kg	1	7/22/2023 2:31:00 AM
Toluene	ND	0.046		mg/Kg	1	7/22/2023 2:31:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	7/22/2023 2:31:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	7/22/2023 2:31:00 AM
Surr: 4-Bromofluorobenzene	75.9	39.1-146		%Rec	1	7/22/2023 2:31:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/26/2023 2:30:58 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW1

Project: Boyd X

Collection Date: 7/12/2023 3:05:00 PM

Lab ID: 2307749-085

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/24/2023 7:27:37 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/24/2023 7:27:37 PM
Surr: DNOP	105	69-147		%Rec	1	7/24/2023 7:27:37 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	20	4.7		mg/Kg	1	7/22/2023 2:52:00 AM
Surr: BFB	81.8	15-244		%Rec	1	7/22/2023 2:52:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/22/2023 2:52:00 AM
Toluene	ND	0.047		mg/Kg	1	7/22/2023 2:52:00 AM
Ethylbenzene	0.77	0.047		mg/Kg	1	7/22/2023 2:52:00 AM
Xylenes, Total	7.1	0.094		mg/Kg	1	7/22/2023 2:52:00 AM
Surr: 4-Bromofluorobenzene	79.6	39.1-146		%Rec	1	7/22/2023 2:52:00 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	92	60		mg/Kg	20	7/26/2023 3:08:00 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW2

Project: Boyd X

Collection Date: 7/12/2023 3:10:00 PM

Lab ID: 2307749-086

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/24/2023 7:46:45 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/24/2023 7:46:45 PM
Surr: DNOP	99.1	69-147		%Rec	1	7/24/2023 7:46:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	19	5.0		mg/Kg	1	7/22/2023 3:14:00 AM
Surr: BFB	78.6	15-244		%Rec	1	7/22/2023 3:14:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/22/2023 3:14:00 AM
Toluene	ND	0.050		mg/Kg	1	7/22/2023 3:14:00 AM
Ethylbenzene	0.73	0.050		mg/Kg	1	7/22/2023 3:14:00 AM
Xylenes, Total	6.7	0.099		mg/Kg	1	7/22/2023 3:14:00 AM
Surr: 4-Bromofluorobenzene	78.5	39.1-146		%Rec	1	7/22/2023 3:14:00 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	100	60		mg/Kg	20	7/25/2023 6:40:14 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW3

Project: Boyd X

Collection Date: 7/12/2023 3:15:00 PM

Lab ID: 2307749-087

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	14	9.8		mg/Kg	1	7/26/2023 5:12:19 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/26/2023 5:12:19 PM
Surr: DNOP	109	69-147		%Rec	1	7/26/2023 5:12:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	15	4.9		mg/Kg	1	7/22/2023 3:36:00 AM
Surr: BFB	83.9	15-244		%Rec	1	7/22/2023 3:36:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/22/2023 3:36:00 AM
Toluene	ND	0.049		mg/Kg	1	7/22/2023 3:36:00 AM
Ethylbenzene	0.57	0.049		mg/Kg	1	7/22/2023 3:36:00 AM
Xylenes, Total	5.3	0.099		mg/Kg	1	7/22/2023 3:36:00 AM
Surr: 4-Bromofluorobenzene	79.5	39.1-146		%Rec	1	7/22/2023 3:36:00 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	82	60		mg/Kg	20	7/25/2023 6:52:38 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW4

Project: Boyd X

Collection Date: 7/12/2023 3:20:00 PM

Lab ID: 2307749-088

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	11	9.6		mg/Kg	1	7/26/2023 5:23:19 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/26/2023 5:23:19 PM
Surr: DNOP	110	69-147		%Rec	1	7/26/2023 5:23:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	14	4.7		mg/Kg	1	7/22/2023 3:57:00 AM
Surr: BFB	80.8	15-244		%Rec	1	7/22/2023 3:57:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.023		mg/Kg	1	7/22/2023 3:57:00 AM
Toluene	ND	0.047		mg/Kg	1	7/22/2023 3:57:00 AM
Ethylbenzene	0.54	0.047		mg/Kg	1	7/22/2023 3:57:00 AM
Xylenes, Total	5.1	0.094		mg/Kg	1	7/22/2023 3:57:00 AM
Surr: 4-Bromofluorobenzene	77.7	39.1-146		%Rec	1	7/22/2023 3:57:00 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	84	60		mg/Kg	20	7/25/2023 7:54:40 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW5

Project: Boyd X

Collection Date: 7/12/2023 3:25:00 PM

Lab ID: 2307749-089

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	12	9.7		mg/Kg	1	7/26/2023 5:34:22 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/26/2023 5:34:22 PM
Surr: DNOP	109	69-147		%Rec	1	7/26/2023 5:34:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	21	4.9		mg/Kg	1	7/22/2023 4:19:00 AM
Surr: BFB	82.7	15-244		%Rec	1	7/22/2023 4:19:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/22/2023 4:19:00 AM
Toluene	ND	0.049		mg/Kg	1	7/22/2023 4:19:00 AM
Ethylbenzene	0.85	0.049		mg/Kg	1	7/22/2023 4:19:00 AM
Xylenes, Total	7.8	0.098		mg/Kg	1	7/22/2023 4:19:00 AM
Surr: 4-Bromofluorobenzene	78.1	39.1-146		%Rec	1	7/22/2023 4:19:00 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	81	60		mg/Kg	20	7/25/2023 8:31:54 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW6

Project: Boyd X

Collection Date: 7/12/2023 3:30:00 PM

Lab ID: 2307749-090

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/24/2023 9:03:53 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/24/2023 9:03:53 PM
Surr: DNOP	80.5	69-147		%Rec	1	7/24/2023 9:03:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	18	5.0		mg/Kg	1	7/22/2023 4:41:00 AM
Surr: BFB	81.6	15-244		%Rec	1	7/22/2023 4:41:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/22/2023 4:41:00 AM
Toluene	ND	0.050		mg/Kg	1	7/22/2023 4:41:00 AM
Ethylbenzene	0.68	0.050		mg/Kg	1	7/22/2023 4:41:00 AM
Xylenes, Total	6.3	0.10		mg/Kg	1	7/22/2023 4:41:00 AM
Surr: 4-Bromofluorobenzene	78.1	39.1-146		%Rec	1	7/22/2023 4:41:00 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	80	59		mg/Kg	20	7/25/2023 8:44:19 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW7

Project: Boyd X

Collection Date: 7/12/2023 3:35:00 PM

Lab ID: 2307749-091

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/24/2023 9:22:53 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/24/2023 9:22:53 PM
Surr: DNOP	77.6	69-147		%Rec	1	7/24/2023 9:22:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	17	4.8		mg/Kg	1	7/22/2023 5:02:00 AM
Surr: BFB	79.4	15-244		%Rec	1	7/22/2023 5:02:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/22/2023 5:02:00 AM
Toluene	ND	0.048		mg/Kg	1	7/22/2023 5:02:00 AM
Ethylbenzene	0.65	0.048		mg/Kg	1	7/22/2023 5:02:00 AM
Xylenes, Total	6.0	0.095		mg/Kg	1	7/22/2023 5:02:00 AM
Surr: 4-Bromofluorobenzene	79.8	39.1-146		%Rec	1	7/22/2023 5:02:00 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	80	60		mg/Kg	20	7/25/2023 8:56:44 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW8

Project: Boyd X

Collection Date: 7/12/2023 3:40:00 PM

Lab ID: 2307749-092

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	12	9.1		mg/Kg	1	7/26/2023 5:45:34 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/26/2023 5:45:34 PM
Surr: DNOP	107	69-147		%Rec	1	7/26/2023 5:45:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	11	4.8		mg/Kg	1	7/22/2023 5:24:00 AM
Surr: BFB	81.7	15-244		%Rec	1	7/22/2023 5:24:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/22/2023 5:24:00 AM
Toluene	ND	0.048		mg/Kg	1	7/22/2023 5:24:00 AM
Ethylbenzene	0.41	0.048		mg/Kg	1	7/22/2023 5:24:00 AM
Xylenes, Total	3.8	0.095		mg/Kg	1	7/22/2023 5:24:00 AM
Surr: 4-Bromofluorobenzene	78.3	39.1-146		%Rec	1	7/22/2023 5:24:00 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	76	60		mg/Kg	20	7/25/2023 9:09:08 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307749

Date Reported: 8/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW9

Project: Boyd X

Collection Date: 7/12/2023 3:45:00 PM

Lab ID: 2307749-093

Matrix: SOIL

Received Date: 7/18/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	18	9.5		mg/Kg	1	7/26/2023 5:56:56 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/26/2023 5:56:56 PM
Surr: DNOP	117	69-147		%Rec	1	7/26/2023 5:56:56 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	20	4.7		mg/Kg	1	7/22/2023 5:46:00 AM
Surr: BFB	85.2	15-244		%Rec	1	7/22/2023 5:46:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/22/2023 5:46:00 AM
Toluene	ND	0.047		mg/Kg	1	7/22/2023 5:46:00 AM
Ethylbenzene	0.76	0.047		mg/Kg	1	7/22/2023 5:46:00 AM
Xylenes, Total	7.0	0.095		mg/Kg	1	7/22/2023 5:46:00 AM
Surr: 4-Bromofluorobenzene	80.6	39.1-146		%Rec	1	7/22/2023 5:46:00 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	88	60		mg/Kg	20	7/25/2023 9:21:33 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: MB-76371	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 76371	RunNo: 98399
Prep Date: 7/20/2023	Analysis Date: 7/20/2023	SeqNo: 3581746 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-76371	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 76371	RunNo: 98399
Prep Date: 7/20/2023	Analysis Date: 7/20/2023	SeqNo: 3581747 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 96.2 90 110

Sample ID: MB-76382	SampType: MBLK	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 76382	RunNo: 98423
Prep Date: 7/21/2023	Analysis Date: 7/21/2023	SeqNo: 3582747 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-76382	SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 76382	RunNo: 98423
Prep Date: 7/21/2023	Analysis Date: 7/21/2023	SeqNo: 3582748 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 95.7 90 110

Sample ID: MB-76378	SampType: MBLK	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 76378	RunNo: 98410
Prep Date: 7/21/2023	Analysis Date: 7/21/2023	SeqNo: 3582783 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-76378	SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 76378	RunNo: 98410
Prep Date: 7/21/2023	Analysis Date: 7/21/2023	SeqNo: 3582784 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 90.9 90 110

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

D

Sample Diluted Due to Matrix

H

Holding times for preparation or analysis exceeded

ND

Not Detected at the Reporting Limit

PQL

Practical Quantitative Limit

S

% Recovery outside of standard limits. If undiluted results may be estimated.

B

Analyte detected in the associated Method Blank

E

Above Quantitation Range/Estimated Value

J

Analyte detected below quantitation limits

P

Sample pH Not In Range

RL

Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: MB-76411	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 76411	RunNo: 98443								
Prep Date: 7/24/2023	Analysis Date: 7/24/2023	SeqNo: 3584928	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-76411	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 76411	RunNo: 98443								
Prep Date: 7/24/2023	Analysis Date: 7/24/2023	SeqNo: 3584929	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.8	90	110			

Sample ID: MB-76414	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 76414	RunNo: 98443								
Prep Date: 7/24/2023	Analysis Date: 7/24/2023	SeqNo: 3584958	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-76414	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 76414	RunNo: 98443								
Prep Date: 7/24/2023	Analysis Date: 7/24/2023	SeqNo: 3584959	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Sample ID: MB-76455	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 76455	RunNo: 98477								
Prep Date: 7/25/2023	Analysis Date: 7/25/2023	SeqNo: 3586331	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-76455	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 76455	RunNo: 98477								
Prep Date: 7/25/2023	Analysis Date: 7/25/2023	SeqNo: 3586332	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.9	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: MB-76453	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 76453	RunNo: 98505								
Prep Date: 7/25/2023	Analysis Date: 7/25/2023	SeqNo: 3586542	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-76453	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 76453	RunNo: 98505								
Prep Date: 7/25/2023	Analysis Date: 7/25/2023	SeqNo: 3586543	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.6	90	110			

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

D

Sample Diluted Due to Matrix

H

Holding times for preparation or analysis exceeded

ND

Not Detected at the Reporting Limit

PQL

Practical Quantitative Limit

S

% Recovery outside of standard limits. If undiluted results may be estimated.

B

Analyte detected in the associated Method Blank

E

Above Quantitation Range/Estimated Value

J

Analyte detected below quantitation limits

P

Sample pH Not In Range

RL

Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: MB-76310	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 76310	RunNo: 98345								
Prep Date: 7/18/2023	Analysis Date: 7/20/2023	SeqNo: 3579477 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		112	69	147			

Sample ID: LCS-76310	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 76310	RunNo: 98345								
Prep Date: 7/18/2023	Analysis Date: 7/20/2023	SeqNo: 3579478 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	103	61.9	130			
Surr: DNOP	4.8		5.000		95.5	69	147			

Sample ID: MB-76333	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 76333	RunNo: 98368								
Prep Date: 7/19/2023	Analysis Date: 7/20/2023	SeqNo: 3581346 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	69	147			

Sample ID: LCS-76333	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 76333	RunNo: 98368								
Prep Date: 7/19/2023	Analysis Date: 7/21/2023	SeqNo: 3581347 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.6	61.9	130			
Surr: DNOP	4.4		5.000		88.4	69	147			

Sample ID: MB-76334	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 76334	RunNo: 98368								
Prep Date: 7/19/2023	Analysis Date: 7/21/2023	SeqNo: 3581349 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.6	69	147			

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 standard limits. If undiluted results may be estimated.

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: LCS-76334	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 76334		RunNo: 98368							
Prep Date: 7/19/2023	Analysis Date: 7/21/2023		SeqNo: 3581350		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.4	61.9	130			
Surr: DNOP	4.4		5.000		87.6	69	147			

Sample ID: MB-76318	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 76318		RunNo: 98368							
Prep Date: 7/19/2023	Analysis Date: 7/21/2023		SeqNo: 3581352		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.1	69	147			

Sample ID: LCS-76318	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 76318		RunNo: 98368							
Prep Date: 7/19/2023	Analysis Date: 7/21/2023		SeqNo: 3581353		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.9	61.9	130			
Surr: DNOP	4.3		5.000		85.1	69	147			

Sample ID: MB-76319	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 76319		RunNo: 98368							
Prep Date: 7/19/2023	Analysis Date: 7/21/2023		SeqNo: 3581355		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		84.0	69	147			

Sample ID: LCS-76319	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 76319		RunNo: 98368							
Prep Date: 7/19/2023	Analysis Date: 7/21/2023		SeqNo: 3581356		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.8	61.9	130			
Surr: DNOP	4.4		5.000		87.7	69	147			

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 standard limits. If undiluted results may be estimated.

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

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

WO#: 2307749

02-Aug-23

Client: BDS Enterprises**Project:** Boyd X

Sample ID: 2307749-031AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S31A 1'	Batch ID: 76318	RunNo: 98451								
Prep Date: 7/19/2023	Analysis Date: 7/24/2023	SeqNo: 3583919 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	9.4	47.21	14.66	77.9	54.2	135			
Surr: DNOP	4.4		4.721		93.9	69	147			

Sample ID: 2307749-031AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S31A 1'	Batch ID: 76318	RunNo: 98451								
Prep Date: 7/19/2023	Analysis Date: 7/24/2023	SeqNo: 3583920 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	8.5	42.59	14.66	75.9	54.2	135	9.00	29.2	
Surr: DNOP	4.1		4.259		95.9	69	147	0	0	

Sample ID: 2307749-011AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S11A 1'	Batch ID: 76310	RunNo: 98451								
Prep Date: 7/18/2023	Analysis Date: 7/24/2023	SeqNo: 3583921 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	37	9.3	46.60	0	79.3	54.2	135			
Surr: DNOP	3.0		4.660		65.2	69	147			S

Sample ID: 2307749-011AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S11A 1'	Batch ID: 76310	RunNo: 98451								
Prep Date: 7/18/2023	Analysis Date: 7/24/2023	SeqNo: 3583922 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	37	9.9	49.26	0	74.6	54.2	135	0.575	29.2	
Surr: DNOP	3.1		4.926		61.9	69	147	0	0	S

Sample ID: 2307749-051AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S51A 1'	Batch ID: 76319	RunNo: 98451								
Prep Date: 7/19/2023	Analysis Date: 7/24/2023	SeqNo: 3583923 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.1	45.70	0	96.4	54.2	135			
Surr: DNOP	4.5		4.570		98.2	69	147			

Sample ID: 2307749-051AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S51A 1'	Batch ID: 76319	RunNo: 98451								
Prep Date: 7/19/2023	Analysis Date: 7/24/2023	SeqNo: 3583924 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: 2307749-051AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S51A 1'	Batch ID: 76319	RunNo: 98451								
Prep Date: 7/19/2023	Analysis Date: 7/24/2023	SeqNo: 3583924	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	8.6	42.99	0	95.9	54.2	135	6.63	29.2	
Surr: DNOP	4.1		4.299		96.3	69	147	0	0	

Sample ID: 2307749-073AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S73A 4.5'	Batch ID: 76334	RunNo: 98451								
Prep Date: 7/19/2023	Analysis Date: 7/24/2023	SeqNo: 3583925	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	9.3	46.38	0	86.1	54.2	135			
Surr: DNOP	3.9		4.638		83.0	69	147			

Sample ID: 2307749-073AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S73A 4.5'	Batch ID: 76334	RunNo: 98451								
Prep Date: 7/19/2023	Analysis Date: 7/24/2023	SeqNo: 3583926	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	9.3	46.73	0	83.3	54.2	135	2.62	29.2	
Surr: DNOP	3.7		4.673		79.4	69	147	0	0	

Sample ID: MB-76358	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 76358	RunNo: 98457								
Prep Date: 7/20/2023	Analysis Date: 7/24/2023	SeqNo: 3584230	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	14		10.00		137	69	147			

Sample ID: LCS-76358	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 76358	RunNo: 98457								
Prep Date: 7/20/2023	Analysis Date: 7/24/2023	SeqNo: 3584231	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	68	10	50.00	0	136	61.9	130			S
Surr: DNOP	6.4		5.000		129	69	147			

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 standard limits. If undiluted results may be estimated.

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: 2307749-074AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: S74A 4.5'	Batch ID: 76358	RunNo: 98457
Prep Date: 7/20/2023	Analysis Date: 7/24/2023	SeqNo: 3584233 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	51	9.9 49.36 0 103 54.2 135
Surr: DNOP	4.9	4.936 99.1 69 147

Sample ID: 2307749-074AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: S74A 4.5'	Batch ID: 76358	RunNo: 98457
Prep Date: 7/20/2023	Analysis Date: 7/24/2023	SeqNo: 3584234 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	64	9.7 48.73 0 132 54.2 135 22.9 29.2
Surr: DNOP	5.2	4.873 106 69 147 0 0

Sample ID: LCS-76469	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 76469	RunNo: 98496
Prep Date: 7/26/2023	Analysis Date: 7/26/2023	SeqNo: 3586179 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	60	10 50.00 0 119 61.9 130
Surr: DNOP	6.4	5.000 128 69 147

Sample ID: MB-76469	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 76469	RunNo: 98496
Prep Date: 7/26/2023	Analysis Date: 7/26/2023	SeqNo: 3586180 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND	10
Motor Oil Range Organics (MRO)	ND	50
Surr: DNOP	11	10.00 105 69 147

Sample ID: LCS-76440	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 76440	RunNo: 98496
Prep Date: 7/25/2023	Analysis Date: 7/26/2023	SeqNo: 3587221 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	5.1	5.000 103 69 147

Sample ID: LCS-76450	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 76450	RunNo: 98496
Prep Date: 7/25/2023	Analysis Date: 7/26/2023	SeqNo: 3587222 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: LCS-76450	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 76450		RunNo: 98496							
Prep Date: 7/25/2023	Analysis Date: 7/26/2023		SeqNo: 3587222		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.2		5.000		104	69	147			

Sample ID: MB-76440	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 76440		RunNo: 98496							
Prep Date: 7/25/2023	Analysis Date: 7/26/2023		SeqNo: 3587224		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		108	69	147			

Sample ID: MB-76450	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 76450		RunNo: 98496							
Prep Date: 7/25/2023	Analysis Date: 7/26/2023		SeqNo: 3587225		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		121	69	147			

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 standard limits. If undiluted results may be estimated.

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: ics-76293	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 76293			RunNo: 98347						
Prep Date: 7/18/2023	Analysis Date: 7/19/2023			SeqNo: 3579525		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.9	70	130			
Surr: BFB	1800		1000		178	15	244			

Sample ID: mb-76293	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 76293			RunNo: 98347						
Prep Date: 7/18/2023	Analysis Date: 7/20/2023			SeqNo: 3579526		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	840		1000		84.4	15	244			

Sample ID: ics-76322	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 76322			RunNo: 98353						
Prep Date: 7/19/2023	Analysis Date: 7/20/2023			SeqNo: 3580780		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.0	70	130			
Surr: BFB	2000		1000		197	15	244			

Sample ID: mb-76322	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 76322			RunNo: 98353						
Prep Date: 7/19/2023	Analysis Date: 7/20/2023			SeqNo: 3580811		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	980		1000		98.4	15	244			

Sample ID: ics-76298	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 76298			RunNo: 98354						
Prep Date: 7/18/2023	Analysis Date: 7/20/2023			SeqNo: 3581186		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.4	70	130			
Surr: BFB	1900		1000		191	15	244			

Sample ID: mb-76298	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 76298			RunNo: 98354						
Prep Date: 7/18/2023	Analysis Date: 7/20/2023			SeqNo: 3581188		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: mb-76298	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 76298	RunNo: 98354								
Prep Date: 7/18/2023	Analysis Date: 7/20/2023	SeqNo: 3581188 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	780		1000		78.3	15	244			

Sample ID: 2307749-012ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S12A 1'	Batch ID: 76298	RunNo: 98354								
Prep Date: 7/18/2023	Analysis Date: 7/20/2023	SeqNo: 3581191 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	48	4.9	24.46	23.43	99.6	70	130			
Surr: BFB	2000		978.5		204	15	244			

Sample ID: 2307749-012amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S12A 1'	Batch ID: 76298	RunNo: 98354								
Prep Date: 7/18/2023	Analysis Date: 7/20/2023	SeqNo: 3581192 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	46	4.9	24.51	23.43	92.5	70	130	3.58	20	
Surr: BFB	1900		980.4		199	15	244	0	0	

Sample ID: lcs-76312	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 76312	RunNo: 98353								
Prep Date: 7/18/2023	Analysis Date: 7/21/2023	SeqNo: 3581462 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.1	70	130			
Surr: BFB	1900		1000		191	15	244			

Sample ID: mb-76312	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 76312	RunNo: 98353								
Prep Date: 7/18/2023	Analysis Date: 7/21/2023	SeqNo: 3581464 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	910		1000		91.4	15	244			

Sample ID: lcs-76335	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 76335	RunNo: 98400								
Prep Date: 7/19/2023	Analysis Date: 7/21/2023	SeqNo: 3583134 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: ics-76335	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 76335			RunNo: 98400						
Prep Date: 7/19/2023	Analysis Date: 7/21/2023			SeqNo: 3583134		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.7	70	130			
Surr: BFB	1900		1000		185	15	244			

Sample ID: mb-76335	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 76335			RunNo: 98400						
Prep Date: 7/19/2023	Analysis Date: 7/21/2023			SeqNo: 3583135		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	800		1000		79.6	15	244			

Sample ID: 2307749-074ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S74A 4.5'	Batch ID: 76335			RunNo: 98400						
Prep Date: 7/19/2023	Analysis Date: 7/21/2023			SeqNo: 3583137		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	23.90	0	99.1	70	130			
Surr: BFB	1800		956.0		192	15	244			

Sample ID: 2307749-074amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S74A 4.5'	Batch ID: 76335			RunNo: 98400						
Prep Date: 7/19/2023	Analysis Date: 7/21/2023			SeqNo: 3583138		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.7	23.67	0	90.7	70	130	9.84	20	
Surr: BFB	1800		947.0		193	15	244	0	0	

Sample ID: ics-76327	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 76327			RunNo: 98404						
Prep Date: 7/19/2023	Analysis Date: 7/21/2023			SeqNo: 3583356		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.1	70	130			
Surr: BFB	1900		1000		195	15	244			

Sample ID: mb-76327	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 76327			RunNo: 98404						
Prep Date: 7/19/2023	Analysis Date: 7/21/2023			SeqNo: 3583357		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: mb-76327	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 76327		RunNo: 98404							
Prep Date: 7/19/2023	Analysis Date: 7/21/2023		SeqNo: 3583357		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	940		1000		93.7	15	244			

Sample ID: 2307749-032ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S32A 1'	Batch ID: 76312		RunNo: 98404							
Prep Date: 7/18/2023	Analysis Date: 7/21/2023		SeqNo: 3583358		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	64	4.8	24.08	38.10	106	70	130			
Surr: BFB	2100		963.4		217	15	244			

Sample ID: 2307749-032amsd	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S32A 1'	Batch ID: 76312		RunNo: 98404							
Prep Date: 7/18/2023	Analysis Date: 7/21/2023		SeqNo: 3583359		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	63	4.8	24.04	38.10	105	70	130	0.375	20	
Surr: BFB	2100		961.5		222	15	244	0	0	

Sample ID: 2307749-054ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S54A 1'	Batch ID: 76327		RunNo: 98404							
Prep Date: 7/19/2023	Analysis Date: 7/21/2023		SeqNo: 3583361		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.53	2.012	93.3	70	130			
Surr: BFB	2000		981.4		201	15	244			

Sample ID: 2307749-054amsd	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S54A 1'	Batch ID: 76327		RunNo: 98404							
Prep Date: 7/19/2023	Analysis Date: 7/21/2023		SeqNo: 3583362		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	24.75	2.012	93.2	70	130	0.729	20	
Surr: BFB	2000		990.1		204	15	244	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: lcs-76293	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 76293			RunNo: 98347						
Prep Date: 7/18/2023	Analysis Date: 7/20/2023			SeqNo: 3579615		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.025	1.000	0	81.5	70	130			
Toluene	0.84	0.050	1.000	0	84.1	70	130			
Ethylbenzene	0.85	0.050	1.000	0	85.3	70	130			
Xylenes, Total	2.6	0.10	3.000	0	85.2	70	130			
Surr: 4-Bromofluorobenzene	0.78		1.000		78.2	39.1	146			

Sample ID: mb-76293	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 76293			RunNo: 98347						
Prep Date: 7/18/2023	Analysis Date: 7/20/2023			SeqNo: 3579616		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	0.77		1.000		76.7	39.1	146			

Sample ID: LCS-76322	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 76322			RunNo: 98353						
Prep Date: 7/19/2023	Analysis Date: 7/20/2023			SeqNo: 3580804		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	104	70	130			
Toluene	1.0	0.050	1.000	0	104	70	130			
Ethylbenzene	1.1	0.050	1.000	0	105	70	130			
Xylenes, Total	3.2	0.10	3.000	0	107	70	130			
Surr: 4-Bromofluorobenzene	1.1		1.000		114	39.1	146			

Sample ID: mb-76322	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 76322			RunNo: 98353						
Prep Date: 7/19/2023	Analysis Date: 7/20/2023			SeqNo: 3580812		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		117	39.1	146			

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 standard limits. If undiluted results may be estimated.

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 230774902-Aug-23

Client: BDS Enterprises
Project: Boyd X

Sample ID: Ics-76298	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 76298	RunNo: 98354								
Prep Date: 7/18/2023	Analysis Date: 7/20/2023	SeqNo: 3581224	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.025	1.000	0	78.8	70	130			
Toluene	0.82	0.050	1.000	0	82.4	70	130			
Ethylbenzene	0.84	0.050	1.000	0	84.3	70	130			
Xylenes, Total	2.5	0.10	3.000	0	84.6	70	130			
Surr: 4-Bromofluorobenzene	0.79		1.000		78.6	39.1	146			

Sample ID: mb-76298	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 76298	RunNo: 98354								
Prep Date: 7/18/2023	Analysis Date: 7/20/2023	SeqNo: 3581225	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	0.76		1.000		75.8	39.1	146			

Sample ID: 2307749-013ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S13A 1'	Batch ID: 76298	RunNo: 98354								
Prep Date: 7/18/2023	Analysis Date: 7/20/2023	SeqNo: 3581228	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.024	0.9775	0	83.6	70	130			
Toluene	0.88	0.049	0.9775	0	90.2	70	130			
Ethylbenzene	1.7	0.049	0.9775	0.7854	90.6	70	130			
Xylenes, Total	9.8	0.098	2.933	7.273	86.2	70	130			
Surr: 4-Bromofluorobenzene	0.78		0.9775		79.3	39.1	146			

Sample ID: 2307749-013amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S13A 1'	Batch ID: 76298	RunNo: 98354								
Prep Date: 7/18/2023	Analysis Date: 7/20/2023	SeqNo: 3581229	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.77	0.025	0.9804	0	78.2	70	130	6.47	20	
Toluene	0.81	0.049	0.9804	0	83.0	70	130	8.09	20	
Ethylbenzene	1.6	0.049	0.9804	0.7854	86.1	70	130	2.51	20	
Xylenes, Total	9.9	0.098	2.941	7.273	87.7	70	130	0.515	20	
Surr: 4-Bromofluorobenzene	0.77		0.9804		78.9	39.1	146	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 108 of 111

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: LCS-76312	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 76312		RunNo: 98353							
Prep Date: 7/18/2023	Analysis Date: 7/21/2023		SeqNo: 3581501		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.025	1.000	0	117	70	130			
Toluene	1.2	0.050	1.000	0	117	70	130			
Ethylbenzene	1.2	0.050	1.000	0	119	70	130			
Xylenes, Total	3.6	0.10	3.000	0	120	70	130			
Surr: 4-Bromofluorobenzene	1.2		1.000		118	39.1	146			

Sample ID: mb-76312	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 76312		RunNo: 98353							
Prep Date: 7/18/2023	Analysis Date: 7/21/2023		SeqNo: 3581502		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		116	39.1	146			

Sample ID: lcs-76335	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 76335		RunNo: 98400							
Prep Date: 7/19/2023	Analysis Date: 7/21/2023		SeqNo: 3583237		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.5	70	130			
Toluene	0.90	0.050	1.000	0	90.3	70	130			
Ethylbenzene	0.93	0.050	1.000	0	92.9	70	130			
Xylenes, Total	2.8	0.10	3.000	0	93.5	70	130			
Surr: 4-Bromofluorobenzene	0.79		1.000		78.5	39.1	146			

Sample ID: mb-76335	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 76335		RunNo: 98400							
Prep Date: 7/19/2023	Analysis Date: 7/21/2023		SeqNo: 3583238		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	0.79		1.000		78.6	39.1	146			

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 standard limits. If undiluted results may be estimated.

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

Page 109 of 111

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: 2307749-075ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S75A 4.5'	Batch ID: 76335	RunNo: 98400								
Prep Date: 7/19/2023	Analysis Date: 7/21/2023	SeqNo: 3583241			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.024	0.9718	0	95.7	70	130			
Toluene	0.94	0.049	0.9718	0	96.5	70	130			
Ethylbenzene	0.96	0.049	0.9718	0	99.1	70	130			
Xylenes, Total	2.9	0.097	2.915	0	99.5	70	130			
Surr: 4-Bromofluorobenzene	0.73		0.9718		75.4	39.1	146			

Sample ID: 2307749-075amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S75A 4.5'	Batch ID: 76335	RunNo: 98400								
Prep Date: 7/19/2023	Analysis Date: 7/21/2023	SeqNo: 3583242			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.024	0.9709	0	89.0	70	130	7.34	20	
Toluene	0.88	0.049	0.9709	0	90.4	70	130	6.65	20	
Ethylbenzene	0.90	0.049	0.9709	0	92.8	70	130	6.58	20	
Xylenes, Total	2.7	0.097	2.913	0	93.3	70	130	6.45	20	
Surr: 4-Bromofluorobenzene	0.75		0.9709		77.1	39.1	146	0	0	

Sample ID: LCS-76327	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 76327	RunNo: 98404								
Prep Date: 7/19/2023	Analysis Date: 7/21/2023	SeqNo: 3583386			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	107	70	130			
Toluene	1.1	0.050	1.000	0	106	70	130			
Ethylbenzene	1.1	0.050	1.000	0	108	70	130			
Xylenes, Total	3.3	0.10	3.000	0	110	70	130			
Surr: 4-Bromofluorobenzene	1.2		1.000		123	39.1	146			

Sample ID: mb-76327	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 76327	RunNo: 98404								
Prep Date: 7/19/2023	Analysis Date: 7/21/2023	SeqNo: 3583387			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		117	39.1	146			

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 standard limits. If undiluted results may be estimated.

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307749

02-Aug-23

Client: BDS Enterprises

Project: Boyd X

Sample ID: 2307749-033ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S33A 1'	Batch ID: 76312	RunNo: 98404								
Prep Date: 7/18/2023	Analysis Date: 7/21/2023	SeqNo: 3583389 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.049	0.9794	0	114	70	130			
Toluene	1.1	0.098	0.9794	0	117	70	130			
Ethylbenzene	3.0	0.098	0.9794	1.805	118	70	130			
Xylenes, Total	20	0.20	2.938	17.10	96.9	70	130			
Surr: 4-Bromofluorobenzene	2.4		1.959		123	39.1	146			

Sample ID: 2307749-033amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S33A 1'	Batch ID: 76312	RunNo: 98404								
Prep Date: 7/18/2023	Analysis Date: 7/21/2023	SeqNo: 3583390 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.049	0.9881	0	115	70	130	1.55	20	
Toluene	1.2	0.099	0.9881	0	118	70	130	1.29	20	
Ethylbenzene	3.0	0.099	0.9881	1.805	119	70	130	0.819	20	
Xylenes, Total	20	0.20	2.964	17.10	98.3	70	130	0.335	20	
Surr: 4-Bromofluorobenzene	2.4		1.976		123	39.1	146	0	0	

Sample ID: 2307749-055ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S55A 1'	Batch ID: 76327	RunNo: 98404								
Prep Date: 7/19/2023	Analysis Date: 7/21/2023	SeqNo: 3583396 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9862	0	115	70	130			
Toluene	1.2	0.049	0.9862	0	118	70	130			
Ethylbenzene	1.6	0.049	0.9862	0.3684	123	70	130			
Xylenes, Total	7.2	0.099	2.959	3.570	121	70	130			
Surr: 4-Bromofluorobenzene	1.2		0.9862		121	39.1	146			

Sample ID: 2307749-055amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S55A 1'	Batch ID: 76327	RunNo: 98404								
Prep Date: 7/19/2023	Analysis Date: 7/21/2023	SeqNo: 3583397 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9852	0	113	70	130	1.67	20	
Toluene	1.1	0.049	0.9852	0	116	70	130	1.83	20	
Ethylbenzene	1.6	0.049	0.9852	0.3684	122	70	130	0.599	20	
Xylenes, Total	7.1	0.099	2.956	3.570	120	70	130	0.484	20	
Surr: 4-Bromofluorobenzene	1.1		0.9852		115	39.1	146	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

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

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

Sample Log-In Check List

Client Name: BDS Enterprises

Work Order Number: 2307749

RcptNo: 1

Received By: Tracy Casarrubias 7/18/2023 7:10:00 AM

Completed By: Tracy Casarrubias 7/18/2023 7:38:54 AM

Reviewed By: *[Signature]* 7-18-23

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *7-18/23*

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

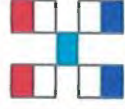
Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.4	Good	Yes	Yogi		

Client: **Select Energy**
Mailing Address: **1705 Greene**
Phone #: **575-242-1106**
email or Fax#: **Rebecca@bdsalfo.com**
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ AZ Compliance ☐ NELAC ☐ Other ☐ EDD (Type) _____
Project Name: **Boyd Silver Creek**
Project #: _____

Turn-Around Time: **5 Day**
Standard: ☒ Rush
Project Manager: **Rebecca Paws**
Tel. 505-345-3975 Fax 505-345-4107
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	Analysis Request
7/12	8:05	soil	S1A	glass	ICu	2303719	8081 Pesticides/8082 PCB's TPH/8015D(GRO / DRO / MRO) BTX (MTBE / TMB's (8021) PAHs by 8310 or 8270SIMS RCRA 8 Metals Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent)
	8:10		S2A			001	
	8:15		S3A			002	
	8:20		S4A			003	
	8:25		S5A			004	
	8:30		S6A			005	
	8:35		S7A			006	
	8:40		S8A			007	
	8:45		S9A			008	
	8:50		S10A			009	
	8:55		S11A			010	
	9:00		S12A			011	
						012	

Received by: **Alanna** Date: **7/17/23** Time: **11:35**
Relinquished by: **Alanna** Date: **7/18/23** Time: **7:10**

HALL ENVIRONMENTAL
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Client: **Select Energy**

Project Name: **Standard** ☒ Rush **5 Day**

Project #: **body**

Project Manager: **libra pns**

Sampler: **On Ice:** ☐ Yes ☐ No

of Coolers: **See Checklist**

Cooler Temp (including on): **See Checklist**

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
7/12	9:05	soil	S132	glass	Ice	2307749
	9:10		S14			013
	9:15		S15			014
	9:20		S16			015
	9:25		S17			016
	9:30		S18			017
	9:35		S19			018
	9:40		S20			019
	9:45		S21			020
	9:50		S22			021
	9:55		S23			022
7/12	10:00	soil	S24			023

Received by: **Adm** Date: **7/17/23** Time: **11:35**

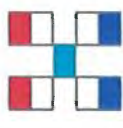
Relinquished by: **Adm** Date: **7/18/23** Time: **7:10**

TPH/6015D (GRO / DRO / MRO)	8081 Pesticides/8082 PCBs	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl ⁻ , Br ⁻ , NO ₃ ⁻ , NO ₂ ⁻ , PO ₄ ⁻ , SO ₄ ⁻	B260 (VOA)	B270 (Semi-VOA)	Total Coliform (Present/Absent)
BTX/ MTBE / TMBs (8021)								

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 noted on the analytical report.

Turn-Around Time:



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

☒ Standard ☒ Rush 5 Day
Project Name: Budy
Project #:

Client: Select Energy
Mailing Address:
Phone #:
email or Fax#:
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other
☐ EDD (Type)

Project Manager: Rebecca pons
Sampler:
On Ice: ☐ Yes ☐ No
of Coolers:
Cooler Temp (including on): See Checklist

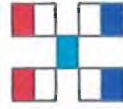
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
7/12	10:05	Soil	S-25A	Quartz	Ice	2307749
	10:10		S-26A			025
	10:15		S-27A			026
	10:20		S-28A			027
	10:25		S-29A			028
	10:30		S-30A			029
	10:35		S-31A			030
	10:40		S-32A			031
	10:45		S-33A			032
	10:50		S-34A			033
	10:55		S-35A			034
	11:00		S-36A			035

Received by: Cunningham Date: 7/17/23 Time: 1:35
Relinquished by: Adm Date: 7/18/23 Time: 7:10

TPH (8015D) (GRO / DRO / MRO)	8081 Pesticides/8082 PCBs	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Ch, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
✓	✓				✓			

Remarks:

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

HALL ENVIRONMENTAL
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Project Manager:

Rebecca Pons

Sampler:

On Ice: ☐ Yes ☐ No

of Coolers:

Cooler Temp (including cap):

See Checklist

Date Time Matrix Sample Name

7/12 11:25 Soil 537A

11:30 538A

11:15 539A

11:20 540A

11:25 541A

11:30 542A

11:35 543A

11:40 544A

11:45 545A

11:50 546A

11:55 547A

12:00 548A

7/13 9:00 549A

550A

Container Type and #

g/165 Ice

037

038

039

040

041

042

043

044

045

046

047

048

Preservative Type

Ice

037

038

039

040

041

042

043

044

045

046

047

048

HEAL No.

230749

037

038

039

040

041

042

043

044

045

046

047

048

8081 Pesticides/8082 PCBs

TPH/8015D(GRO / DRO / MRO)

BTEX MTBE / TMBs (8021)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

CF, Br, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Remarks:

Received by: Via: Date Time

Received by: Via: Date Time

Received by: Via: Date Time

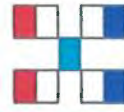
Received by: Via: Date Time

Received by: Via: Date Time

Received by: Via: Date Time

Received by: Via: Date Time

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

HALL ENVIRONMENTAL
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
TPH/8015D(GRO / DRO / MRO)	BTEX	MTBE / TMBs (8021)					

Remarks:

Client: Spect Energy
Project Name: Bondy
Project #:

Project Manager: Rebecca Pons
Sampler:
On Ice: ☐ Yes ☐ No
of Coolers:
Cooler Temp(Including CP): See Checklist

Container Type and #	Preservative Type	HEAL No.
<u>glass</u>	<u>Ice</u>	<u>2307749</u>
		<u>049</u>
		<u>050</u>
		<u>051</u>
		<u>052</u>
		<u>053</u>
		<u>054</u>
		<u>055</u>
		<u>056</u>
		<u>057</u>
		<u>058</u>
		<u>059</u>
		<u>060</u>

Received by: Alumino Date: 7/17/23 Time: 1135
Received by: Alumino Date: 7/18/23 Time: 7:10

Client: Spect Energy
Mailing Address:
Phone #:
email or Fax#:
QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other
☐ EDD (Type)

Date	Time	Matrix	Sample Name
<u>7/12</u>	<u>1205</u>	<u>Soil</u>	<u>S-49A</u>
	<u>1210</u>		<u>S-50A</u>
	<u>1215</u>		<u>S-51A</u>
	<u>1220</u>		<u>S-52A</u>
	<u>1235</u>		<u>S-53A</u>
	<u>1230</u>		<u>S-54A</u>
	<u>1235</u>		<u>S-55A</u>
	<u>1240</u>		<u>S-56A</u>
	<u>1245</u>		<u>S-57A</u>
	<u>1250</u>		<u>S-58A</u>
	<u>1255</u>		<u>S-59A</u>
	<u>1:00</u>		<u>S-60A</u>

Relinquished by: Alumino Date: 7/17/23 Time: 1900
Relinquished by: Alumino Date: 7/17/23 Time: 1900

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.



Client: Select Energy

Mailing Address:

Project Name: Boudy

Phone #: email or Fax#:

Project #: 4901 Hawkins NE - Albuquerque, NM 87109

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

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

Accreditation: ☐ NELAC ☐ Other

Project Manager: Rebecca Pons

On Ice: ☐ Yes ☐ No

Project Manager: Rebecca Pons

of Coolers: Cooler Temp (including on):

Project Manager: Rebecca Pons

Container Type and #

Project Manager: Rebecca Pons

Preservative Type

Project Manager: Rebecca Pons

HEAL No.

Project Manager: Rebecca Pons

Analysis Request

Project Manager: Rebecca Pons

Analysis Request

Project Manager: Rebecca Pons

Analysis Request

Project Manager: Rebecca Pons

Analysis Request

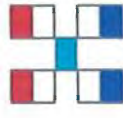
Project Manager: Rebecca Pons

Analysis Request

Project Manager: Rebecca Pons

Analysis Request

Project Manager: Rebecca Pons



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: Solut Energy

☒ Standard ☒ Rush 5 day

Project Name: Boulder

Project #:

Phone #:

Mailing Address:

Project Manager: Rebecca Pons

Sampler:

On Ice: ☒ Yes ☐ No 409.

of Coolers: 1

Cooler Temp (including ch): 5.4-0-5.4

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
7/12	305	soil	SW1	SPK	Ice	2307749
	310		SW2			085
	315		SW3			086
	320		SW4			087
	325		SW5			088
	330		SW6			089
	335		SW7			090
	340		SW8			091
	345		SW9			092
						093

Date: 7/12 Time: 1900

Relinquished by:

Date: 7/13 Time: 1900

Relinquished by:

Received by: Date: 7/13 Time: 135

Received by: Date: 7/13 Time: 7:10

Analysis Request									
8081 Pesticides/8082 PCBs	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)		
TPH/8015D(GRO / DRO / MRO)	BTEX / MTBE / TMBs (8021)								

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

Appendix

VII

Boring

Logs

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: Finish: DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING										SAMPLE			REMARKS	
					PPM X _____										NUMBER	PID READING	RECOVERY	DEPTH	BACKGROUND PID READING
					2	4	6	8	10	12	14	16	18	SOIL : _____ PPM					
	0																		
	5	Silty Clay, 7.5YR 4/3, Brown	CL																
	10	Caliche, 2.5YR 7/4, Pink with Gypsum	Caliche																
	15	Sand, 7.5YR 6/6, Reddish Yellow, Silt to Very Fine Quartz Grained Sand, Moderately Sorted, Sub Rounded to Rounded with Caliche Clast and Gypsum	SM																
	20																		
	25	7.5YR 5/6, Strong Brown, Silt to Very Fine Quartz Grained Sand, Moderately Sorted, Sub Rounded to Rounded with Caliche Clast and Large Gypsum Crystals(1-8mm)																	
	30	7.5YR 5/6, Strong Brown, Silt to Very Fine Quartz Grained Sand, Moderately Sorted, Sub Rounded to Rounded, Very High Gypsum Content																	
	35																		
	40		SM																



ONE CONTINUOUS AUGER SAMPLER



WATER TABLE (TIME OF BORING)



STANDARD PENETRATION TEST



LABORATORY TEST LOCATION



UNDISTURBED SAMPLE



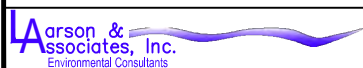
PENETROMETER (TONS/ SQ. FT)



WATER TABLE (24 HRS)



NR NO RECOVERY

JOB NUMBER : Select Energy/ 23-0105-01HOLE DIAMETER : 5"LOCATION : Boyd X SilverbackLAI GEOLOGIST : D. St. GermainDRILLING CONTRACTOR : SDCDRILLING METHOD : Air RotaryDRILL DATE :
05/17/2023BORING NUMBER :
S-12

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: Finish: DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING										SAMPLE			REMARKS		
					PPM X _____										NUMBER	PID READING	RECOVERY	DEPTH	BACKGROUND PID READING	
					2	4	6	8	10	12	14	16	18							
	45	Gravelly Sand, 10YR 7/3, Very Pale Brown, Very Fine Quartz Grained Sand to Coarse, Poorly Sorted, Angular to Sub Angular with Gypsum	SP																	
	50																			
	55				Silty Clay, 5YR 7/1, Light Gray with Gypsum	CL														
	60	Total Depth: 60' Dry at 61 feet bgs																		
	65																			
	70																			
	75																			
	80																			
	85																			

☐ ONE CONTINUOUS AUGER SAMPLER	 WATER TABLE (TIME OF BORING)	JOB NUMBER : <u>Select Energy/ 23-0105-01</u>
☐ STANDARD PENETRATION TEST	 LABORATORY TEST LOCATION	HOLE DIAMETER : <u>5"</u>
☐ UNDISTURBED SAMPLE	 PENETROMETER (TONS/ SQ. FT)	LOCATION : <u>Boyd X Silverback</u>
 WATER TABLE (24 HRS)	NR NO RECOVERY	LAI GEOLOGIST : <u>D. St. Germain</u>

	DRILL DATE : 05/17/2023	BORING NUMBER : S-12	DRILLING CONTRACTOR : <u>SDC</u>
			DRILLING METHOD : <u>Air Rotary</u>

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

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

QUESTIONS

Action 403786

QUESTIONS

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 403786
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2304657101
Incident Name	NAPP2304657101 WATER TRANSFER TO BOYD X @ 0
Incident Type	Other
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	WATER TRANSFER TO BOYD X
Date Release Discovered	02/15/2023
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Human Error Pipeline (Any) Other (Specify) Released: 12 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 12 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 403786

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 403786
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Justin Carter Title: Landman Email: jcarter@novooog.com Date: 11/15/2024
--	---

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QUESTIONS, Page 3

Action 403786

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID:
	330968
	Action Number:
	403786
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 300 and 500 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	17300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	50
GRO+DRO (EPA SW-846 Method 8015M)	50
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	07/03/2023
On what date will (or did) the final sampling or liner inspection occur	07/12/2023
On what date will (or was) the remediation complete(d)	07/12/2023
What is the estimated surface area (in square feet) that will be reclaimed	24594
What is the estimated volume (in cubic yards) that will be reclaimed	2739
What is the estimated surface area (in square feet) that will be remediated	24594
What is the estimated volume (in cubic yards) that will be remediated	2739
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 403786

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 403786
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Justin Carter Title: Landman Email: jcarter@novooog.com Date: 11/15/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 403786

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 403786
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 403786

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 403786
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	377384
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/12/2023
What was the (estimated) number of samples that were to be gathered	93
What was the sampling surface area in square feet	18600

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	24594
What was the total volume (cubic yards) remediated	2739
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	24594
What was the total volume (in cubic yards) reclaimed	2739
Summarize any additional remediation activities not included by answers (above)	NA

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

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

I hereby agree and sign off to the above statement	Name: Justin Carter Title: Landman Email: jcarter@novoog.com Date: 11/15/2024
--	--

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

General Information
Phone: (505) 629-6116

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Santa Fe, NM 87505

QUESTIONS, Page 7

Action 403786

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 403786
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 403786

CONDITIONS

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 403786
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2304657101 WATER TRANSFER TO BOYD X, thank you. This Remediation Closure Report is approved.	3/28/2025