

Tables



Table 1
Soil Analytical Summary
Chevron Environmental Management Company
WTU #622
Lea County, New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date										
			Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	TPH - GRO	TPH - DRO	TPH - ORO	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMAC Standards			10	--	--	--	50	--	--	--	100	600
HA-1	0 - 6" 1'6"	5/20/2020	0.00355 J	<0.00142	<0.00105	<0.00116	0.00718 J	<0.619	46.9	341	389	32.7 F1
		5/20/2020	0.00129 J	<0.00152	<0.00112	<0.00125	0.00518 J	<0.664	12.3 J	115	128 J	71
HA-2	0 - 6" 2' 4'	5/20/2020	0.000724 J	<0.00143	<0.00106	<0.00117	0.004384 J	<0.662	23.4	180	204	179
		5/20/2020	<0.000701	<0.00154	<0.00114	<0.00126	<0.004641	<0.636	16.8	98.8	116	2,110
		5/20/2020	<0.000689	<0.00151	<0.00112	<0.00124	<0.004559	<0.684	107	66.7	174	4,750
HA-3	0 - 6" 2'	5/20/2020	<0.000642	<0.00141	<0.00104	<0.00115	<0.004242	<0.608	<2.61	<7.64	<11	684
		5/20/2020	<0.000687	<0.00150	<0.00111	<0.00123	<0.004527	<0.630	<2.78	<8.13	<12	2,120
HA-4	0 - 6" 1'	5/20/2020	<0.000682	<0.00149	<0.00110	<0.00122	<0.004492	<0.664	<2.76	<8.06	<12	11
		5/20/2020	<0.000938	<0.00205	<0.00152	<0.00168	<0.006188	<0.922	12.1 J F2 F1	51.9	65 J F2 F1	237
HA-5	0 - 6" 1'	5/20/2020	<0.000782	<0.00171	<0.00127	<0.00140	<0.005162	<0.740	<3.20	<9.34	<13	9
		5/20/2020	<0.000776	<0.00170	<0.00126	<0.00139	<0.005126	<0.705	13.4 J	<9.21	23 J	30.1 F1
HA-6	0 - 6" 1'	5/20/2020	<0.000651	<0.00143	<0.00105	<0.00117	<0.004301	<0.583	6.36 J	<7.63	15 J	76
		5/20/2020	<0.000665	<0.00146	<0.00108	<0.00119	<0.004395	<0.603	<2.75	<8.03	<11	86
HA-7	0 - 6" 2' 4' 6'	5/20/2020	0.018	0.00184 J	<0.00105	<0.00116	0.02205 J	<0.614	61.1	202	263	114
		5/20/2020	0.00206 J	<0.00150	<0.00111	<0.00123	0.0059 J	<0.641	11.2 J	110	122 J	2,590
		5/20/2020	<0.000648	<0.00142	<0.00105	<0.00116	<0.004278	<0.677	<2.73	55.2	59	2,940
		5/20/2020	<0.000894	<0.00196	<0.00145	<0.00160	<0.005904	<0.851	<3.71	<10.8	<15	2,280
HA-8	0 - 6" 2'	5/21/2020	0.00112 J	<0.00187	<0.00138	<0.00153	0.0059 J	<0.864	48.0 H	186 H	234 H	10
		5/21/2020	0.00160 J	<0.00180	<0.00133	<0.00148	0.00621 J	<0.875	<3.53	118	122	41
HA-9	0 - 6" 2' 4'	5/20/2020	<0.000645	<0.00141	<0.00104	<0.00116	<0.004255	<0.634	35.2	62.7	99	3,530
		5/20/2020	0.00193 J	<0.00189	<0.00140	<0.00155	0.00677 J	<0.804	<3.48	57	61	2,310
		5/20/2020	0.00144 J	<0.00182	<0.00134	<0.00149	0.00609 J	<0.865	<3.63	102	106	1,860
HA-10	0 - 6"	5/20/2020	0.000745 J	<0.00139	<0.00103	<0.00114	0.004305 J	<0.637	<2.62	95.5	99	7,390
HA-11	0 - 6" 2' 4'	5/20/2020	0.00103 J	<0.00145	<0.00107	<0.00118	0.00473 J	<0.618	57.2	458	516	6,300
		5/20/2020	0.00146 J	<0.00173	<0.00128	<0.00141	0.00588 J	<0.805	13.7 J	192	207 J	7,870
		5/20/2020	0.00101 J	<0.00195	<0.00144	<0.00160	0.006 J	<0.891	14.0 J	149	164 H	3,920
HA-12	0 - 6" 2' 4'	5/20/2020	0.00127 J	<0.00146	<0.00108	<0.00119	0.005 J	<0.632	60.7	388	449	14,800
		5/20/2020	0.00218 J	<0.00188	<0.00139	<0.00154	0.00699 J	<0.898	26.1	165	192	4,920
		5/20/2020	<0.000768	<0.00168	<0.00124	<0.00138	<0.005068	<0.759	<3.19	<9.34	<13	3,030
HA-13	0 - 6" 2' 4'	5/20/2020	0.00719	<0.00134	<0.000991	<0.00110	0.010621	<0.616	6.21 J	116	123 J	718
		5/20/2020	0.000921 J	<0.00159	<0.00117	<0.00130	0.004981 J	<0.652	12.8 J	103	117 J	2,610
		5/20/2020	<0.000773	<0.00169	<0.00125	<0.00139	<0.005103	<0.715	<3.20	<9.34	<13	2,890 F1
HA-14	0 - 6"	5/21/2020	0.00298 J	<0.00144	<0.00106	<0.00118	0.00666 J	<0.669	4580	17700	22,949	78
HA-15	0 - 6" 2' 4'	5/21/2020	0.00411 J	<0.00144	<0.00106	<0.00118	0.00779 J	<0.637	8.48 J	142	151 J	101
		5/21/2020	0.00106 J	<0.00210	<0.00155	<0.00172	0.00643 J	<0.892	12.3 J	144	158 J	3,490
		5/21/2020	0.000950 J	<0.00184	<0.00136	<0.00151	0.00566 J	<0.841	<3.48	<20.0 H	24 H	4,570
HA-16	0 - 6" 2'	5/21/2020	0.00186 J	<0.00148	<0.00110	<0.00121	0.00565 J	<0.629	4.36 J	104	109	15
		5/21/2020	0.000847 J	<0.00148	<0.00109	<0.00121	0.004627 J	<0.625	4.36 J	94.6	100	48
HA-17	0 - 6" 2' 4'	5/21/2020	0.00201 J	<0.00145	<0.00107	<0.00118	0.00571 J	<0.661	5.49 J	114	120 J	6,870
		5/21/2020	<0.000646	<0.00142	<0.00105	<0.00116	<0.004276	<0.656	<1.85	67.9	70	5,660 F1 F2
		5/21/2020	<0.000694	<0.00152	<0.00112	<0.00125	<0.004584	<0.684	<1.89	65.4	<68	4,310



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			Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	TPH - GRO	TPH - DRO	TPH - ORO	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMAC Standards			10	--	--	--	50	--	--	--	100	600
HA-18	0 - 6"	5/21/2020	<0.000713	<0.00156	<0.00115	<0.00128	<0.004703	<0.663	<1.96	77.8	80	2,850
	2'	5/21/2020	<0.000707	<0.00155	<0.00114	<0.00127	<0.004667	<0.671	<1.93	65.6	68	4,360
HA-19	0 - 6"	5/21/2020	0.00343 J	<0.00147	<0.00109	<0.00121	0.0072 J	<0.598	25.2	205	231	3,930
	2'	5/21/2020	<0.000756	<0.00166	<0.00122	<0.00136	<0.004996	<0.653	7.05 J	104	112 J	7,080
	4'	5/21/2020	<0.000759	<0.00166	<0.00123	<0.00136	<0.005009	<0.757	<2.06	<6.03	<9	10,700
HA-20	0 - 6"	5/20/2020	<0.000738	<0.00162	<0.00119	<0.00132	<0.004868	41.9	4580	37.8	4,660	219
SB-1	0	8/22/2022	<0.000554	<0.00554	<0.000554	<0.00166	<0.000554	<0.111	20.1	53.3	73.4	16.6 J
	2	8/22/2022	<0.000661	<0.00661	<0.000661	<0.00198	<0.000661	<0.132	3.04 J	5.74	8.78 J	237
	4	8/22/2022	<0.000565	<0.00565	<0.000565	<0.00169	<0.000565	<0.113	<4.52	0.569 J	0.569 J	102
	6	8/22/2022	<0.000698	<0.00698	<0.000698 J3	<0.00210 J3	<0.000698 J3	<0.140 J3	<5.59	<5.59	<0.140 J3	104
	8	8/22/2022	<0.000642	<0.00642	<0.000642	<0.00192	<0.000642	<0.128	<5.13	1.35 J	1.35 J	116
SB-2	0	8/22/2022	<0.000616	<0.00616	<0.000616	<0.00185	<0.000616	<0.123	<4.93	0.705 J	0.705 J	44.5
	2	8/22/2022	<0.000669	<0.00669	<0.000669	<0.00201	<0.000669	<0.134	<5.35	0.765 J	0.765 J	491
	4	8/22/2022	<0.000648	<0.00648	<0.000648	<0.00195	<0.000648	<0.130	<5.19	<5.19	<0.130	68.2
	6	8/22/2022	<0.000655	<0.00655	<0.000655	<0.00196	<0.000655	<0.131	<5.24 J3 J6	0.959 J	0.959 J	253
	8	8/22/2022	<0.000693	<0.00693	<0.000693	<0.00208	<0.000693	<0.139	<5.55	<5.55	<0.139	210
SB-3	0	8/22/2022	<0.000560	<0.00560	<0.000560	<0.00168	<0.000560	<0.112	306	741	1,047	272
	2	8/22/2022	0.0013	0.00260 J	<0.000581	<0.00174	0.0039 J	<0.116	2.57 J	5.53	8.1 J	1,640
	4	8/22/2022	<0.000587	<0.00587	<0.000587	<0.00176	<0.000587	<0.117	37	93.8	130.8	1,700
	6	8/22/2022	<0.000624	<0.00624	<0.000624	<0.00187	<0.000624	<0.125	<4.99	<4.99	<0.125	364
	8	8/22/2022	<0.000525	<0.00525	<0.000525	<0.00157	<0.000525	<0.105	<4.20	2.77 J	2.77 J	558
SB-4	0	8/22/2022	<0.000558	<0.00558	<0.000558	<0.00167	<0.000558	<0.112	2.15 J	6.19	8.34 J	<22.3
	2	8/22/2022	<0.000536	<0.00536	<0.000536	<0.00161	<0.000536	<0.107	<4.28	4.36	4.36	274
	4	8/22/2022	<0.000657	<0.00657	<0.000657	<0.00197	<0.000657	<0.131	<5.26	0.791 J	0.791 J	202
	6	8/22/2022	<0.000581	<0.00581	<0.000581	<0.00174	<0.000581	<0.116	<4.65	0.319 J	0.319 J	156
	8	8/22/2022	<0.000648	<0.00648	<0.000648	<0.00194	<0.000648	<0.130	<5.19	<5.19	<0.130	90.7
SB-5	0	8/22/2022	<0.000626	<0.00626	<0.000626	<0.00188	<0.000626	<0.125	5.41	25.2	30.61	<25.0
	2	8/22/2022	<0.000681	<0.00681	<0.000681	<0.00204	<0.000681	<0.136	<5.45	0.392 J	0.392 J	176
	4	8/22/2022	<0.000558	<0.00558	<0.000558	<0.00168	<0.000558	<0.112	<4.42	1.35 J	1.35 J	1,290
	6	8/22/2022	<0.000567	<0.00567	<0.000567	<0.00170	<0.000567	<0.113	<4.54	0.875 J	0.875 J	1,630
	8	8/22/2022	<0.000560	<0.00560	<0.000560	<0.00168	<0.000560	<0.112	3.47 J	0.848 J	4.318 J	1,110
SB-6	0	8/22/2022	<0.000584	<0.00584	<0.000584	<0.00175	<0.000584	<0.117	10.3	41	51.3	23.3 J
	2	8/22/2022	<0.000528	<0.00528	<0.000528	<0.00159	<0.000528	<0.106	33.2	134	167.2	528 J3
	4	8/22/2022	<0.000586	<0.00586	<0.000586	<0.00176	<0.000586	<0.117	<4.64	1.47 J	1.47 J	3,170
	6	8/22/2022	<0.000543	<0.00543	<0.000543	<0.00163	<0.000543	<0.109	<4.34	0.938 J	0.938 J	2,030
	8	8/22/2022	<0.000545	<0.00545	<0.000545	<0.00164	<0.000545	<0.109	<4.32	1.20 J	1.20 J	1,820
SB-7	0	8/22/2022	<0.000543	<0.00543	<0.000543	<0.00163	<0.000543	<0.109	2.06 J	1.15 J	3.21 J	1,700
	2	8/22/2022	<0.000569	<0.00569	<0.000569	<0.00171	<0.000569	<0.114	6.36	17.7	24.06	5,470
	4	8/22/2022	<0.000605	<0.00605	<0.000605	<0.00182	<0.000605	<0.121	2.07 J	<4.84	2.07 J	829
	6	8/22/2022	<0.000539	<0.00539	<0.000539	<0.00162	<0.000539	<0.108	1.96 J	<4.31	1.96 J	511
	8	8/22/2022	<0.000563	<0.00563	<0.000563	<0.00169	<0.000563	<0.113	2.59 J	1.13 J	3.72 J	411



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			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMAC Standards			10	--	--	--	50	--	--	--	100	600
SB-8	0	8/23/2022	<0.000532	<0.00532	<0.000532	<0.00160	<0.000532	<0.106	51.1	165	216.1	107
	2	8/23/2022	<0.000563	<0.00563	<0.000563	<0.00169	<0.000563	<0.113	2.63 J	5.14	7.77	2,450
	4	8/23/2022	<0.000547	<0.00547	<0.000547	<0.00164	<0.000547	<0.109	<4.38	0.886 J	0.886 J	2,310
	6	8/23/2022	<0.000523	<0.00523	<0.000523	<0.00157	<0.000523	<0.105	<4.18	1.04 J	1.04 J	1,050
	8	8/23/2022	<0.000548	<0.00548	<0.000548	<0.00164	<0.000548	<0.110	1.93 J	0.799 J	2.729 J	1,700
SB-9	0	8/23/2022	<0.000651	<0.00651	<0.000651	<0.00195	<0.000651	<0.130	<5.21	4.44 J	4.44 J	202 J3
	2	8/23/2022	<0.000615	<0.00615	<0.000615	<0.00184	<0.000615	<0.123	<4.92	2.47 J	2.47 J	4,720
	4	8/23/2022	<0.000617	<0.00617	<0.000617	<0.00185	<0.000617	<0.123	<4.94	<4.94	<0.123	3,420
	6	8/23/2022	<0.000679	<0.00679	<0.000679	<0.00204	<0.000679	<0.136	<5.43	<5.43	<0.136	1,060
	8	8/23/2022	<0.000658	<0.00658	<0.000658	<0.00197	<0.000658	<0.132	<5.26	<5.26	<0.132	1,220
SB-10	0	8/23/2022	<0.000645	<0.00645	<0.000645	<0.00194	<0.000645	<0.129	<5.16	0.501 J	0.501 J	4,460*
	2	8/23/2022	<0.000620	<0.00620	<0.000620	<0.00186	<0.000620	<0.124	4.09 J	10.7	14.79 J	1,850*
	4	8/23/2022	<0.000760	<0.00760	<0.000760	<0.00228	<0.000760	<0.152	84.6 J3 J6	225	309.6 J3 J6	6,790*
	6	8/23/2022	<0.000660	<0.00660	<0.000660	<0.00198	<0.000660	<0.132	42.1	110	152.1	1,280
	8	8/23/2022	<0.000659	<0.00659	<0.000659	<0.00198	<0.000659	<0.132	17.1	46	63.1	1,080
SB-11	0	8/23/2022	<0.000569	<0.00569	<0.000569	<0.00171	<0.000569	<0.114	10.9	52.1	63	28.5
	2	8/23/2022	<0.000569	<0.00569	<0.000569	<0.00171	<0.000569	<0.114	1,800	3,220	5,020	804
	4	8/23/2022	<0.000549	<0.00549	<0.000549	<0.00165	<0.000549	<0.110	1,480	2,270	3,750	744
	6	8/23/2022	<0.000659	<0.00659	<0.000659	<0.00198	<0.000659	<0.132	37.6	49.3	86.9	300
	8	8/23/2022	<0.000658	<0.00658	<0.000658	<0.00197	<0.000658	<0.132	3.93 J	4.21 J	8.14 J	105
SB-12	0	8/23/2022	<0.000583	<0.00583	<0.000583	<0.00175	<0.000583	<0.117	27.8	67.4	95.2	50.2
	2	8/23/2022	<0.000567	<0.00567	<0.000567	<0.00170	<0.000567	<0.113	2.44 J	4.22 J	6.66 J	687
	4	8/23/2022	<0.000550	<0.00550	<0.000550	<0.00165	<0.000550	<0.110	<4.40	2.18 J	2.18 J	2,420
	6	8/23/2022	<0.000539	<0.00539	<0.000539	<0.00162	<0.000539	<0.108	<4.31	1.30 J	1.30 J	1,460
	8	8/23/2022	<0.000548	<0.00548	<0.000548	<0.00164	<0.000548	<0.110	<4.38	0.588 B J	0.588 B J	1,450
SB-13	0	8/23/2022	<0.000550	<0.00550	<0.000550	<0.00165	<0.000550	<0.110	11.3	8.61 B	19.91 B	12,900
	2	8/23/2022	<0.000604	<0.00604	<0.000604	<0.00181	<0.000604	<0.121	<4.83	3.10 B J	3.10 B J	6,550
	4	8/23/2022	<0.000591	<0.00591	<0.000591	<0.00177	<0.000591	<0.118	<4.73	0.972 B J	0.972 B J	2,020
	6	8/23/2022	<0.000641	<0.00641	<0.000641	<0.00192	<0.000641	<0.128	<5.13	<5.13	<0.128	661
	8	8/23/2022	<0.000568	<0.00568	<0.000568	<0.0017	<0.000568	<0.114	<4.54	0.354 B J	0.354 B J	2,730
SB-14	0	8/23/2022	0.00141	<0.00545	<0.000545	<0.00164	0.00141	<0.109	2.41 J	11.0 B	13.41 J B	<21.8
	2	8/23/2022	<0.000729	<0.00729	<0.000729	<0.00219	<0.000729	<0.146	<5.83	1.29 B J	1.29 B J	190
	4	8/23/2022	<0.000589	<0.00589	<0.000589	<0.00177	<0.000589	<0.118	1.97 J	2.20 B J	4.17 B J	5,770*
	6	8/23/2022	<0.000532	<0.00532	<0.000532	<0.00159	<0.000532	<0.106	<4.25	0.983 B J	0.983 B J	2,180
	8	8/23/2022	<0.000565	<0.00565	<0.000565	<0.00169	<0.000565	<0.113	<4.52	0.490 B J	0.490 B J	1,630
SB-15	0	8/23/2022	0.00109	<0.00552	<0.000552	<0.00165	0.00109	<0.110	36.7	124	160.7	24
	2	8/23/2022	<0.000547	<0.00547	<0.000547	<0.00164	<0.000547	<0.109	2.71 J	4.98 B	7.69 B J	2,080
	4	8/23/2022	<0.000533	<0.00533	<0.000533	<0.00160	<0.000533	<0.107	<4.27	1.00 B J	1.00 B J	2,720
	6	8/23/2022	<0.000526	<0.00526	<0.000526	<0.00158	<0.000526	<0.105	<4.21	<4.21	<0.105	1,750
	8	8/23/2022	<0.000547	<0.00547	<0.000547	<0.00164	<0.000547	<0.109	<4.37	0.558 B J	0.558 B J	2,530



Table 1
Soil Analytical Summary
Chevron Environmental Management Company
WTU #622
Lea County, New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date										
			Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	TPH - GRO	TPH - DRO	TPH - ORO	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMAC Standards			10	--	--	--	50	--	--	--	100	600
SB-16	0	8/23/2022	<0.000544	<0.00544	<0.000544	<0.00163	<0.000544	<0.109	2.74 J	2.01 B J	4.75 B J	1,400
	2	8/23/2022	<0.000547	<0.00547	<0.000547	<0.00164	<0.000547	<0.109	33.8	109	142.8*	12.1 J
	4	8/23/2022	<0.000551	<0.00551	<0.000551	<0.00165	<0.000551	<0.110	<4.41	<4.41	<0.110	3,480
	6	8/23/2022	<0.000527	<0.00527	<0.000527	<0.00158	<0.000527	<0.105	<4.21	0.294 B J	0.294 B J	1,730
	8	8/23/2022	<0.000550	<0.00550	<0.000550	<0.00165	<0.000550	<0.110	<4.40	0.374 J	0.374 J	2,790
SB-17	0	8/23/2022	0.00133	<0.00553	<0.000553	<0.00166	0.00133	<0.111	45.1	71.3	116.4*	5,470
	2	8/23/2022	<0.000550	<0.00550	<0.000550	<0.00165	<0.000550	<0.110	<4.40	2.48 J	2.48 J	2,280
	4	8/23/2022	<0.000560	<0.00560	<0.000560	<0.00168	<0.000560	<0.112	<4.48	1.21 J	1.21 J	2,540
	6	8/23/2022	<0.000587	<0.00587	<0.000587	<0.00176	<0.000587	<0.117	<4.70 J3 J6	1.74 J	1.74 J	1,810
	8	8/23/2022	<0.000571	<0.00571	<0.000571	<0.00171	<0.000571	<0.114	<4.56	0.652 J	0.652 J	3,020
SB-18	0	8/24/2022	<0.000558	<0.00558	<0.000558	<0.00167	<0.000558	<0.112	8.94	36.3	45.24	11,600
	2	8/24/2022	<0.000602	<0.00602	<0.000602	<0.00181	<0.000602	<0.120	<4.82	1.36 J	1.36 J	4,680
	4	8/24/2022	<0.000688	<0.00688	<0.000688	<0.00206	<0.000688	<0.138	2.31 J	0.522 J	2.832 J	3,010
	6	8/24/2022	<0.000550	<0.00550	<0.000550	<0.00165	<0.000550	<0.110	2.19 J	<4.40	2.19 J	5,380
	8	8/24/2022	<0.000632	<0.00632	<0.000632	<0.00189	<0.000632	<0.126	2.83 J	0.496 J	3.326 J	4,060
SB-19	0	8/24/2022	<0.000544	<0.00544	<0.000544	<0.00163	<0.000544	<0.109	4.28 J	1.49 J	5.77 J	3,310
	2	8/24/2022	<0.000593	<0.00593	<0.000593	<0.00178	<0.000593	<0.119	3.32 J	6.38	9.7 J	1,730
	4	8/24/2022	<0.000634	<0.00634	<0.000634	<0.00190	<0.000634	<0.127	<5.07 J3 J6	0.364 J	0.364 J	464
	6	8/24/2022	<0.000631	<0.00631	<0.000631	<0.00190	<0.000631	<0.126	<5.00	0.404 J	0.404 J	544
	8	8/24/2022	<0.000581	<0.00581	<0.000581	<0.00174	<0.000581	<0.116	3.13 J	0.407 J	3.537 J	1,450
SB-20	0	8/24/2022	<0.000557	<0.00557	<0.000557	<0.00167	<0.000557	<0.111	6.98	7.94	14.92	2,180
	2	8/24/2022	<0.000572	<0.00572	<0.000572	<0.00171	<0.000572	<0.114	1.99 J	1.76 J	3.75 J	2,680 V
	4	8/24/2022	<0.000639	<0.00639	<0.000639	<0.00192	<0.000639	<0.128	2.44 J	0.504 J	2.944 J	2,130
	6	8/24/2022	<0.000654	<0.00654	<0.000654	<0.00197	<0.000654	<0.131	<5.18	<5.18	<0.131	661
	8	8/24/2022	<0.000571	<0.00571	<0.000571	<0.00172	<0.000571	<0.114	<4.53	0.372 J	0.372 J	1,110
SB-21	0	8/24/2022	<0.000580	<0.00580	<0.000580	<0.00174	<0.000580	<0.116	32	64.3	96.3	4,180
	2	8/24/2022	<0.000703	<0.00703	<0.000703	<0.00211	<0.000703	<0.141	<5.62	<5.62	<0.141	2,060
	4	8/24/2022	<0.000587	<0.00587	<0.000587	<0.00176	<0.000587	<0.117	<4.70	<4.70	<0.117	3,060
	6	8/24/2022	<0.000538	<0.00538	<0.000538	<0.00162	<0.000538	<0.108	<4.31	<4.31	<0.108	868
	8	8/24/2022	<0.000677	<0.00677	<0.000677	<0.00203	<0.000677	<0.135	<5.42	<5.42	<0.135	971
SB-22	0	8/24/2022	<0.000638	<0.00638	<0.000638	<0.00191	<0.000638	<0.128	9.87	14.5	24.37	8,440
	2	8/24/2022	<0.000590	<0.00590	<0.000590	<0.00177	<0.000590	<0.118	<4.72	<4.72	<0.118	3,550
	4	8/24/2022	<0.000692	<0.00692	<0.000692	<0.00208	<0.000692	<0.138	132	132	264*	1,690
	6	8/24/2022	<0.000557	<0.00557	<0.000557	<0.00167	<0.000557	<0.111	2.73 J	1.23 J	3.96 J	2,200
	8	8/24/2022	<0.000684	<0.00684	<0.000684	<0.00205	<0.000684	<0.137	<5.47	<5.47	<0.137	1,340
SB-23	0	8/24/2022	<0.000524	<0.00524	<0.000524	<0.00157	<0.000524	<0.105	134	352	486*	387
	2	8/24/2022	<0.000570	<0.00570	<0.000570	<0.00171	<0.000570	<0.114	<4.56	<4.56	<0.114	3,990
	4	8/24/2022	<0.000554	<0.00554	<0.000554	<0.00166	<0.000554	<0.111	<4.43 J6	<4.43	<0.111	2,640
	6	8/24/2022	<0.000551	<0.00551	<0.000551	<0.00165	<0.000551	<0.110	<4.41	<4.41	<0.110	3,030
	8	8/24/2022	<0.000573	<0.00573	<0.000573	<0.00172	<0.000573	<0.115	<4.59	<4.59	<0.115	3,820



Table 1
Soil Analytical Summary
Chevron Environmental Management Company
WTU #622
Lea County, New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date										
			Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	TPH - GRO	TPH - DRO	TPH - ORO	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMAC Standards			10	--	--	--	50	--	--	--	100	600
SB-24	0	8/24/2022	<0.000545	<0.00545	<0.000545	<0.00164	<0.000545	<0.109	2.08 J	4.22 J	6.3	1,500
	2	8/24/2022	<0.000627	<0.00627	<0.000627	<0.00188	<0.000627	<0.125	<5.01	1.62 J	1.62 J	3,020
	4	8/24/2022	<0.000565	<0.00565	<0.000565	<0.00170	<0.000565	<0.113	<4.52	1.02 B J	1.02 B J	1,710
	6	8/24/2022	<0.000527	<0.00527	<0.000527	<0.00158	<0.000527	<0.105	<4.21	<4.21	<0.105	819
	8	8/24/2022	<0.000649	<0.00649	<0.000649	<0.00195	<0.000649	<0.130	<5.19	<5.19	<0.130	2,810
SB-25	0 - 0.5	12/04/2023	--	--	--	--	--	0.0236 J	3.1 J	20.7	20.8236 J	11.4
	2 - 2.5	12/04/2023	--	--	--	--	--	<0.0258	<1.91	3.11 J	3.11 J	34.6
	4 - 4.4	12/04/2023	--	--	--	--	--	<0.0241	<1.78	0.754 J	0.754 J	391
SB-26	0 - 0.5	12/04/2023	--	--	--	--	--	0.0232 J	<1.72	9.3	9.3232 J	53.6
	2 - 2.5	12/04/2023	--	--	--	--	--	<0.0243	<1.80	0.977 J	0.977 J	1,940
	4 - 4.5	12/04/2023	--	--	--	--	--	0.0249 BJ	<1.79	2.57 J	2.5949 J	543
SB-27	0 - 0.5	12/04/2023	--	--	--	--	--	0.0304 J	5.73	30.6	36.36 J	10.9 J
	2 - 2.5	12/04/2023	--	--	--	--	--	<0.0239	2.66 J	15.3	17.96 J	288
	4 - 4.5	12/04/2023	--	--	--	--	--	<0.0245	<1.81	2.89 J	2.89 J	1,920
SB-28	0 - 0.5	12/05/2023	--	--	--	--	--	<0.0228	5.2	19.1	24.30	11,800
	2 - 2.5	12/05/2023	--	--	--	--	--	<0.0259	<1.92	4.57 J	4.57 J	8,720
	4 - 4.5	12/05/2023	--	--	--	--	--	<0.0255	<1.89 J3J6	1.4 BJ	1.4 J3J6BJ	6,830
	6 - 6.5	12/05/2023	--	--	--	--	--	0.0261 J	18.4	0.631 J	19.0571 J	3,520
	8 - 8.5	12/05/2023	--	--	--	--	--	<0.0247	<1.81	0.581 J	0.581 J	3,330
SB-29	0 - 0.5	12/05/2023	--	--	--	--	--	0.0247 J	<1.66	10.6	10.6247 J	<9.66
	2 - 2.5	12/05/2023	--	--	--	--	--	<0.0243	<1.80	6.08	6.08	2,900
	4 - 4.5	12/05/2023	--	--	--	--	--	<0.0268	<1.99	1.97 BJ	1.97 BJ	1,880
	6 - 6.5	12/05/2023	--	--	--	--	--	<0.0234	<1.73	1.98 BJ	1.98 BJ	2,480
	8 - 8.5	12/05/2023	--	--	--	--	--	<0.0238	<1.76	0.37 BJ	0.37 BJ	3,020
SB-30	0 - 0.5	12/05/2023	--	--	--	--	--	0.0297 J	4.66	24.5	29.1897 J	10.7 J
	2 - 2.5	12/05/2023	--	--	--	--	--	<0.0257	<1.91	3.96 BJ	3.96 BJ	<11.2
	4 - 4.5	12/05/2023	--	--	--	--	--	<0.0241	<1.79	2.67 BJ	2.67 BJ	<10.2
	6 - 6.5	12/05/2023	--	--	--	--	--	<0.0238	<1.76	1.17 BJ	1.17 BJ	3,330
	8 - 8.5	12/05/2023	--	--	--	--	--	<0.0241	<1.79	<0.304	<0.0241	2,990
SB-31	0 - 0.5	12/05/2023	--	--	--	--	--	0.0298 J	6.68	35.5	42.2098 J	237
	2 - 2.5	12/05/2023	--	--	--	--	--	<0.0242	<1.80	7.2	7.20	3,760
	4 - 4.5	12/05/2023	--	--	--	--	--	<0.0246	<1.83	2.61 BJ	2.61 BJ	4,810
	6 - 6.5	12/05/2023	--	--	--	--	--	<0.0232	<1.72	0.749 BJ	0.749 BJ	2,370
	8 - 8.5	12/05/2023	--	--	--	--	--	<0.0252	<1.87	1.04 BJ	1.04 BJ	4,400
SB-32	0 - 0.5	12/05/2023	--	--	--	--	--	0.0266 J	<1.70	7.55	7.5766 J	<9.70
	2 - 2.5	12/05/2023	--	--	--	--	--	<0.0238	<1.77	2.68 J	2.68 J	109
	4 - 4.5	12/05/2023	--	--	--	--	--	<0.0239	<1.78	0.855 J	0.855 J	66.8
SB-33	0 - 0.5	12/05/2023	--	--	--	--	--	<0.0240	<1.78	7.73	7.73	2,090
	2 - 2.5	12/05/2023	--	--	--	--	--	<0.0245	<1.82	0.88 J	0.88 J	3,320
	4 - 4.5	12/05/2023	--	--	--	--	--	<0.0229	1.71 J	12.6	14.31 J	<9.69



Table 1
Soil Analytical Summary
Chevron Environmental Management Company
WTU #622
Lea County, New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date										
			Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	TPH - GRO	TPH - DRO	TPH - ORO	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMAC Standards			10	--	--	--	50	--	--	--	100	600
SB-34	0 - 0.5	12/05/2023	--	--	--	--	--	0.0305 J	1.86 J	12.7	14.59 J	<9.70
	2 - 2.5	12/05/2023	--	--	--	--	--	<0.0245	<1.82	4.60	4.60	2,210
	4 - 4.5	12/05/2023	--	--	--	--	--	<0.0255	<1.89	1.94 J	1.94 J	2,530
SB-35	0 - 0.5	12/05/2023	--	--	--	--	--	<0.0251	94.5	322	416.50	26.2
	2 - 2.5	12/05/2023	--	--	--	--	--	0.0300 J	85	260	345.03 J	1,050
	4 - 4.5	12/05/2023	--	--	--	--	--	<0.0291	2.60 J	6.3	8.90 J	50.9
	6 - 6.5	12/05/2023	--	--	--	--	--	0.0276 BJ	12.7	29.3	42.03 BJ	1,170
	8 - 8.5	12/05/2023	--	--	--	--	--	<0.0307	<2.28	<0.338	<0.0307	148
SB-36	0 - 0.5	12/05/2023	--	--	--	--	--	0.0283 J	<1.75 J3J6	8.13	8.1583 J3J6J	12.7 J
	2 - 2.5	12/05/2023	--	--	--	--	--	<0.0243	<1.80	2.47 J	2.47 J	19.2 J
	4 - 4.5	12/05/2023	--	--	--	--	--	<0.0229	<1.70	0.837 J	0.837 J	74.2

Legend:

Bold and italicized analytes exceeds NMAC Standards

"--" indicates not analyzed

F1: MS and/or MSD recovery exceeds control limits

F2: MS/MSD RPD exceeds control limits

J: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

J3: The associated batch QC was outside the established quality control range for precision.

J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low.

H : Sample was prepped or analyzed beyond the specified holding time

B: Compound was found in the blank and sample

V: The sample concentration is too high to evaluate accurate spike recoveries.

'<' indicates the analyte was not detected at or above the Method Detection Limit (MDL)

HA: Hand Auger Sample Location

SB: Soil Boring Sample Location

bgs: below ground surface

mg/kg: Milligram per Kilogram

BTEX : Benzene, Toluene, Ethylbenzene, and Total Xylenes

NMAC : New Mexico Administration Code

TPH GRO: Total Petroleum Hydrocarbons Gasoline Range Organics

TPH MRO: Total Petroleum Hydrocarbons Motor Oil Range Organics

TPH DRO: Total Petroleum Hydrocarbon Diesel Range Organics

" " " : Indicates one foot

" : Indicated inches

Notes:

1. Chloride analyzed by EPA Method 300

2. TPH analyzed by EPA Method 8015D

3. BTEX analyzed by EPA Method 8260C

4. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)

Table 2
Groundwater Analytical Summary
Chevron Environmental Management Company
WTU #622
Lea County, New Mexico



Sample I.D. No.	Date	Organic Compounds				Total Petroleum Hydrocarbons			Groundwater Quality	
		Benzene	Ethylbenzene	Toluene	Xylenes	C6-C10	C-10-C28	C28-C36	Chloride	Total Dissolved Solids
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC Human Health Standards for Groundwater ¹										
		0.005	0.75	0.75	0.62	--	--	--	250	1,000
Units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TMW-1	12/04/23	<0.000190	<0.000160	<0.000412	<0.000510	0.314	0.429 B	0.174 B	10,700	16,600

Legend:

Bold and *italicized* values indicate concentrations above NMWQCC Other Standards.

NMWQCC Human Health Standards Per NMAC 20.6.2.3103A.

'<' indicates the analyte was not detected at or above the Method Detection Limit (MDL)

mg/L: Milligram per Litre

B: The same analyte is found in the associated blank

BTEX : Benzene, Toluene, Ethylbenzene, and Total Xylenes

NMAC : New Mexico Administration Code

¹ : Indicates one foot

USEPA = United States Environmental Protection Agency

Notes:

1. Chloride analyzed by USEPA Method 300.0

2. TPH analyzed by USEPA Method 8015D

3. BTEX analyzed by USEPA Method 8260C

4. Total Petroleum Hydrocarbons (TPH) - Gasoline Range Organics (GRO) [C6-C10] analyzed by (GC) Method 8015

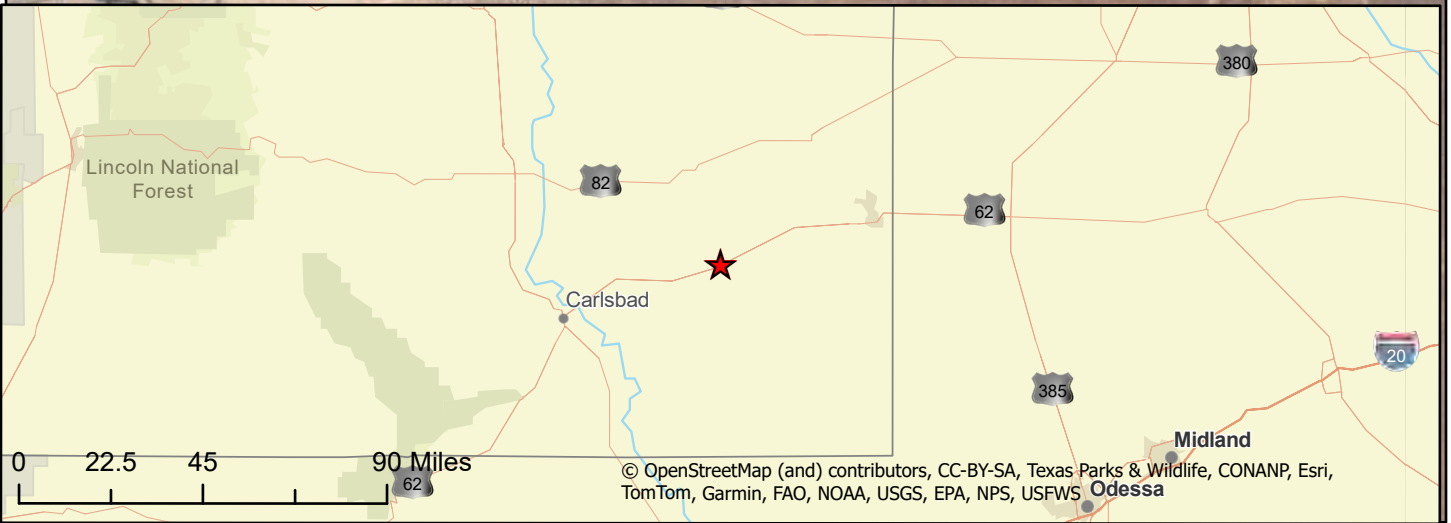
4. Total Petroleum Hydrocarbons (TPH) - Diesel Range Organics (DRO) [C10-C28] and Oil Range Organics (ORO) [C28-36] analyzed by (GC) Method 8015M

5. Total Dissolved Solids analyzed by Method 2540 C-2011

6. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)

Figures

Document Path: T:\ENV\Chevron\WTU #622\ID-ProjectWorking_VArc_Pro\2023\2023_Subsequent_Soil_Assessment_Investigation\2023_Subsequent_Soil_Assessment_Investigation.aprx



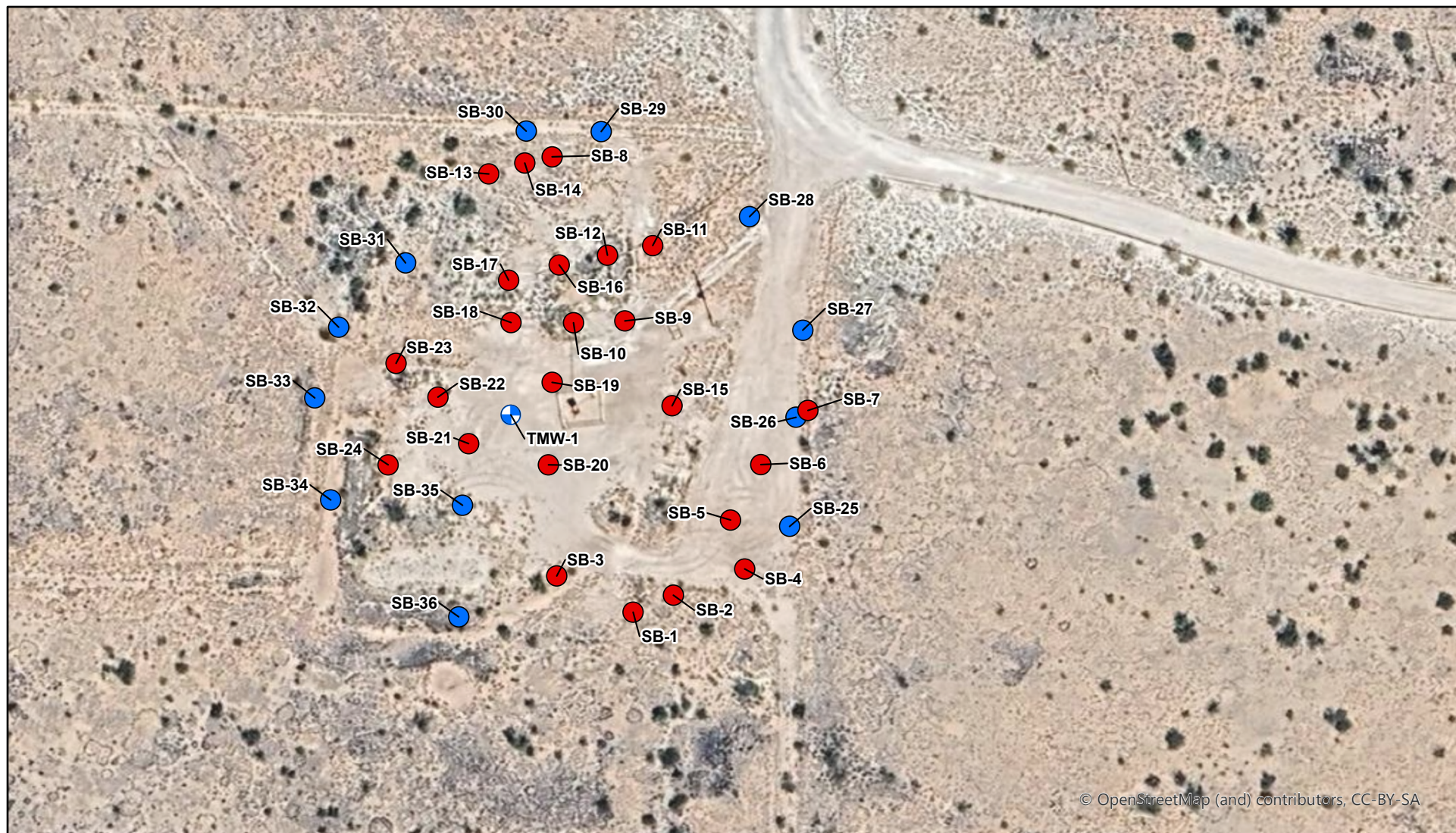
- Notes:
1. Datum: D_WGS_1984
 2. Site Location: 32.3005829,-104.0557327

Chevron Environmental Management Company
WTU #622
Lea County, New Mexico

SITE LOCATION MAP



FIGURE
1

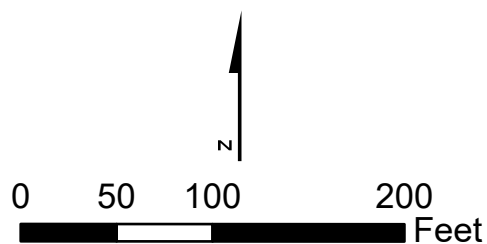


Legend

- Soil Sample Locations - 2022
- Soil Sample Locations - 2023
- ⊕ TMW (temporary monitoring well location)

Note:

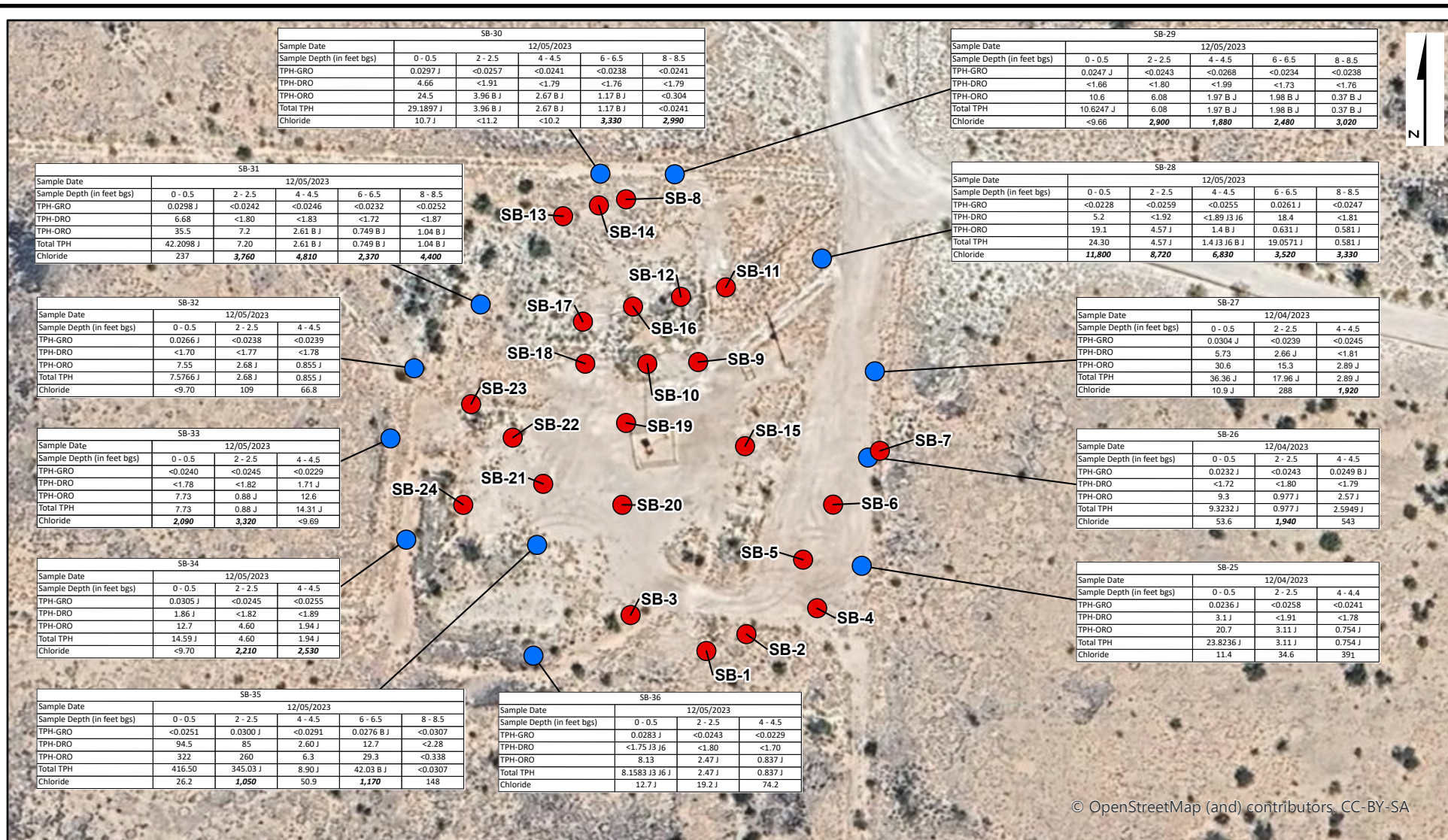
1. Datum: GCS_WGS_1984
2. Site Location: 32.574947°, -103.670457°



CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
WTU #622
LEA COUNTY, NEW MEXICO

SOIL AND TMW SAMPLE LOCATION MAP

 **ARCADIS** | **FIGURE 2**

**Legend**

- Soil Sample Locations - 2022
- Soil Sample Locations - 2023

Note:

1. Datum: GCS_WGS_1984
2. Site Location: 32.574947°, -103.670457°

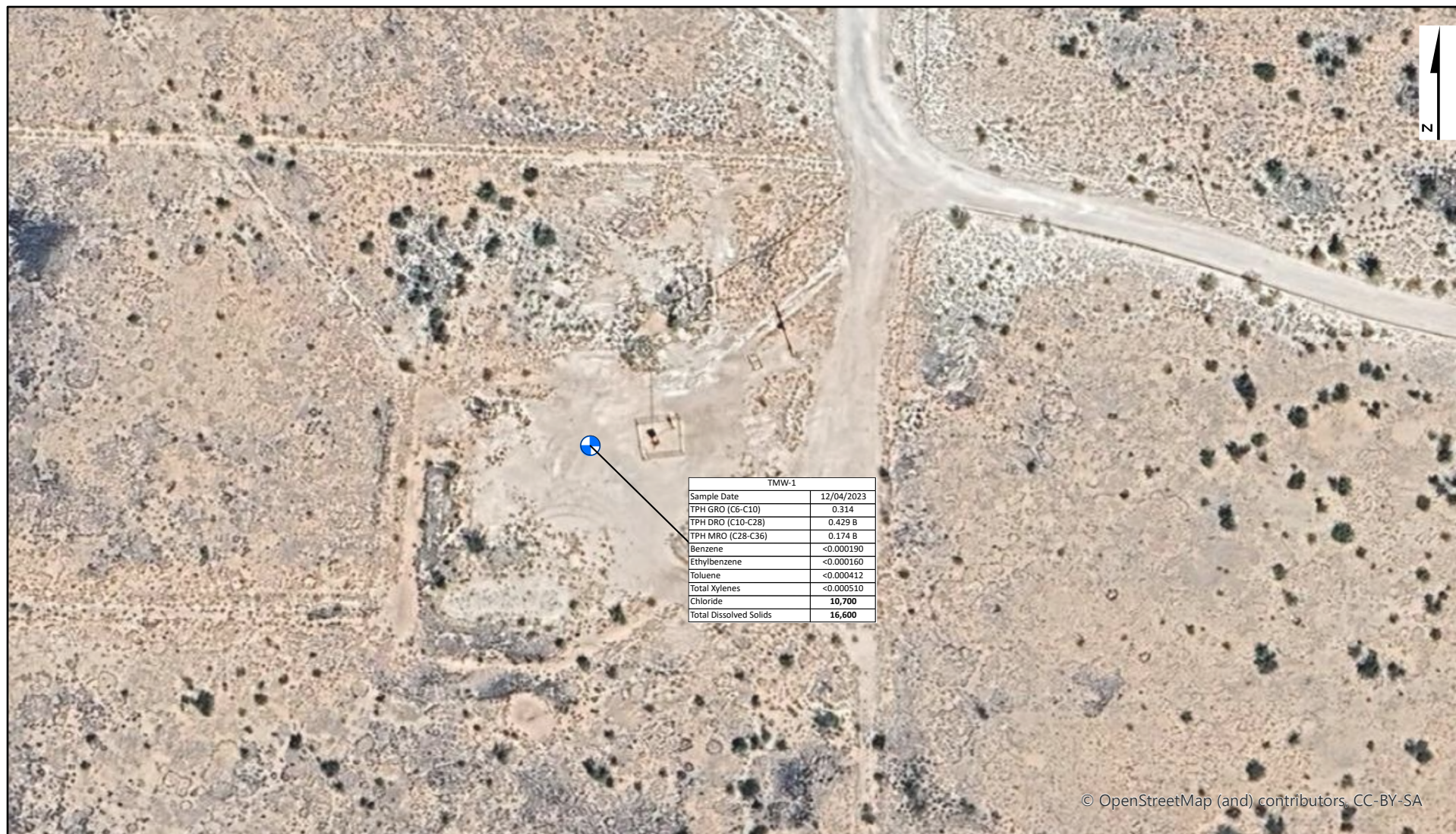
Notes:

1. **Bold** and italicized results exceeds the Restoration requirement
2. < indicates the analyte was not detected at or above the Method Detection Limit (MDL)
3. B The same analyte is found in the associated blank.
4. J The identification of the analyte is acceptable; the reported value is an estimate.
5. J3 The associated batch QC was outside the established quality control range for precision.
6. J6 The sample matrix interfered with the ability to make any accurate determination; spike value is low.
7. TPH GRO Indicates Total Petroleum Hydrocarbons Gasoline Range Organics.
8. TPH DRO Indicates Total Petroleum Hydrocarbon Diesel Range Organics.
9. TPH ORO Indicates Total Petroleum Hydrocarbons Oil Range Organics
10. Chloride analyzed by EPA Method 9056A
11. TPH analyzed by EPA Method 8015B
12. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)
13. All results are reported in milligram per kilogram (mg/kg)
14. bgs = below ground surface
15. NMWQCC = New Mexico Water Quality Control Commission

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
WTU #622
LEA COUNTY, NEW MEXICO

SOIL ANALYTICAL RESULTS MAP

ARCADIS | **FIGURE 3**



Legend

Temporary Monitoring Well Locations

Note:

1. Datum: GCS_WGS_1984
2. Site Location: 32.574947°, -103.670457°

Notes:

1. **Bold** values indicate concentrations above NMWQCC Other Standards for Domestic Water Supply.
2. < indicates the analyte was not detected at or above the Method Detection Limit (MDL)
3. B The same analyte is found in the associated blank.
4. TPH GRO Indicates Total Petroleum Hydrocarbons Gasoline Range Organics.
5. TPH MRO Indicates Total Petroleum Hydrocarbons Motor Oil Range Organics
6. TPH DRO Indicates Total Petroleum Hydrocarbon Diesel Range Organics.
7. Chloride analyzed by EPA Method 9056A
8. TPH analyzed by EPA Method 8015B
9. Total Dissolved Solids analyzed by 2540 C-2011
10. BTEX analyzed by EPA method 8021
11. BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes.
12. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)
13. All results are in milligram per liter (mg/L)
14. NMWQCC = New Mexico Water Quality Control Commission

0 50 100 200
Feet

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
WTU #622
LEA COUNTY, NEW MEXICO

GROUNDWATER ANALYTICAL MAP

ARCADIS | FIGURE
4

Appendix A

Site Background Summary

Appendix A. Site Background Summary



On November 16, 2012, a ruptured line released 15 barrels (bbls) of produced water at the Site. Upon discovery, a vacuum truck was dispatched and recovered approximately 5 bbls of standing fluid and the line was repaired. According to the New Mexico Oil Conservation Division (NMOCD) Initial C-141 Form submitted on November 26, 2012, the affected areas measure approximately 115' by 10' and 190' by 30'. According to the New Mexico Office of the State Engineers (NMOSE) database, there is a water well approximately 1.77 miles northwest of the Site with a depth to groundwater of 325 feet below ground surface (bgs). The Initial C-141 Form was approved with conditions and assigned remediation permit number 1RP-2874.

2020 Soil Assessment Activities

On May 20-21, 2020, Arcadis personnel met with Chevron Operations personnel familiar with the historical release at the Site. Arcadis collected soil samples at twenty locations (HA-1 through HA-20) within the release area. The soil samples were collected with a hand auger at depths ranging from the surface (0"-6") to approximately 6 feet below ground surface (bgs). The sample locations were determined based on Chevron Operations personnel knowledge of the historical release associated with the remediation permit number 1RP-2874. The soil samples were collected in two- and four-ounce jars provided by Eurofins TestAmerica Laboratory and shipped overnight via FedEx. Upon receipt by laboratory, the soil samples were analyzed for chloride; total petroleum hydrocarbons as gasoline (TPH-GRO), TPH as diesel (TPH-DRO), and TPH as oil (TPH-ORO); and benzene, toluene, ethylbenzene and total xylenes (BTEX) by United States Environmental Protection Agency (USEPA) Methods 300, 8015 and 8021B, respectively.

Analytical results associated with the assessment activities conducted in 2020 indicated that the horizontal and vertical delineation of chloride, total GRO and DRO, and total TPH impact in soil have not been fully delineated.

2022 Soil Assessment Activities

On August 22-24, 2022, Arcadis personnel collected 120 soil samples from 24 locations (SB-1 through SB-24) within the release area. The soil samples were collected with a backhoe at depths ranging from surface (0-0.5' bgs) to 8 feet bgs. The soil cuttings were returned to the respective test trench locations. All soil cuttings were continuously logged for lithologic characteristics according to the Unified Soil Classification System (USCS). The sample locations were determined based on the analytical results from the 2020 soil assessment activities. The soil samples were collected in two and four-ounce jars provided by Pace Analytical Laboratory (Pace) located in Mt. Juliet, Tennessee and shipped overnight to Pace via FedEx. Upon receipt by the laboratory, the soil samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX); total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), oil range organics (ORO); and chloride by United State Environmental Protection Agency (USEPA) Methods 8021B, 8015 and 300, respectively.

Analytical results associated with the assessment activities conducted in 2022 indicated that the horizontal and vertical delineation of total GRO and DRO, and total TPH impact in soil have not been fully delineated.

Appendix B

Soil Boring Logs

Date Start/Finish: 12/04/2023 Drilling Company: -- Driller's Name: -- Drilling Method: Hand Auger Sampling Method: Grab Rig Type: Hand Auger	Latitude: 32.57475484° Longitude: -103.67028204° Casing Elevation: N/A Borehole Depth: 4.5' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolan	Well/Boring ID: SB-25 Client: Chevron Environmental Management Company Location: Lea County, New Mexico
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DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description
-------	-------------------	-----------------	-----------------	-----	-----------	-----------------	---------------------------

		0' to 0.5' Soil					Silty Sand; 5 YR 5/3 reddish brown, very fine to fine grained, moderately sorted, trace gravel, loose, soft, dry.
					SM		
		2' to 2.5' Soil					Gravelly Sand; 10 YR 7/2 light pale brown, very fine to medium grained, subangular to subrounded, poorly sorted, little small to medium subangular pebbles, loose, dry.
					SW		
		4' to 4.5' Soil					
							End of excavation @ 4.5' bgs

 ARCADIS Infrastructure · Water · Environment · Buildings	Remarks: 1. Below Ground Surface (bgs)
--	---

Date Start/Finish: 12/04/2023 Drilling Company: -- Driller's Name: -- Drilling Method: Hand Auger Sampling Method: Grab Rig Type: Hand Auger	Latitude: 32.57495713° Longitude: -103.67020605° Casing Elevation: N/A Borehole Depth: 4.5' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolan	Well/Boring ID: SB-26 Client: Chevron Environmental Management Company Location: Lea County, New Mexico
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DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description
-------	-------------------	-----------------	-----------------	-----	-----------	-----------------	---------------------------

		0' to 0.5' Soil					Silty Sand; 7.5 YR 5/4 brown, very fine to fine grained, trace medium graines, poorly sorted, subangular to subrounded, loose, dry.
		2' to 2.5' Soil			ML		
		4' to 4.5' Soil			SW		Gravelly Sand; 7.5 YR 6/3 light brown, very fine to course grained, subangular, poorly sorted, some small to large pebbles, subangular, little subangular cobbles, loose, dry.
							End of excavation @ 4.5' bgs

 ARCADIS Infrastructure · Water · Environment · Buildings	Remarks: 1. Below Ground Surface (bgs)
--	---

Date Start/Finish: 12/05/2023 Drilling Company: -- Driller's Name: -- Drilling Method: Hand Auger Sampling Method: Grab Rig Type: Hand Auger	Latitude: 32.57511494° Longitude: -103.67027995° Casing Elevation: N/A Borehole Depth: 4.5' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolan	Well/Boring ID: SB-27 Client: Chevron Environmental Management Company Location: Lea County, New Mexico
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DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description
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		0' to 0.5' Soil					Silty Sand; 5 YR 5/3 reddish brown, very fine to fine grained, moderately sorted, loose, soft, dry.
		2' to 2.5' Soil			ML		
		4' to 4.5' Soil					
End of excavation @ 4.5' bgs							

 ARCADIS Infrastructure · Water · Environment · Buildings	Remarks: 1. Below Ground Surface (bgs)
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Date Start/Finish: 12/05/2023 Drilling Company: E-tech Driller's Name: -- Drilling Method: Excavation Sampling Method: Hand Auger & Backhoe Rig Type: Excavator	Latitude: 32.575333° Longitude: -103.670429° Casing Elevation: N/A Borehole Depth: 8.5' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolen	Well/Boring ID: SB-28 Client: Chevron Environmental Management Company Location: Lea County, New Mexico
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DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description
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	0' to 0.5' Soil			ML	Silty Sand; 7.5 YR 5/4 Brown, very fine to fine grained, subrounded to subangular, poorly sorted, loose, dry.
	2' to 2.5' Soil			SW	Gravelly Sand; 7.5 YR 6/3 Light Brown, fine to medium grained, subangular to subrounded, poorly sorted, some subangular to subrounded cobbles, some subangular to subroundd small to medium pebbles, loose, dry.
	4' to 4.5' Soil				Sand; 7.5 YR 7/3 Pink, fine to medium grained, moderately sorted, subrounded to subangular, dry, loose.
	6 to 6.5' Soil			SP	Sand; 5 YR 6/4 Light Reddish Brown, fine to medium grained, subrounded to subangular, well sorted, loosly consolidated, soft, dry.
	8' to 8.5' Soil				
					End of excavation @ 8.5' bgs

 ARCADIS Infrastructure · Water · Environment · Buildings	Remarks: 1. Below Ground Surface (bgs)
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Date Start/Finish: 12/05/2023 Drilling Company: E-tech Driller's Name: -- Drilling Method: Excavation Sampling Method: Hand Auger & Backhoe Rig Type: Air Rotary	Latitude: 32.575544° Longitude: -103.670706° Casing Elevation: N/A Borehole Depth: 8.5' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolen	Well/Boring ID: SB-29 Client: Chevron Environmental Management Company Location: Lea County, New Mexico
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DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description
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	0' to 0.5' Soil			ML	Silty Sand; 7.5 YR 5/4 Brown, very fine to fine grained, subrounded to subangular, poorly sorted, loose, dry.
	2' to 2.5' Soil			SW	Gravelly Sand; 7.5 YR 6/3 Light Brown, fine to medium grained, subangular to subrounded, poorly sorted, some subangular to subrounded cobbles, some subangular to subrounded small to medium pebbles, loose, dry.
					Sand; 7.5 YR 7/3 Pink, fine to medium grained, moderately sorted, subrounded to subangular, dry, loose.
					Sand; 5 YR 6/4 Light Reddish Brown, fine to medium grained, subrounded to subangular, well sorted, loosely consolidated, soft, dry.
-5	6' to 6.5' Soil			SP	
	8' to 8.5' Soil				
					End of excavation @ 8.5' bgs

 ARCADIS Infrastructure · Water · Environment · Buildings	Remarks: 1. Below Ground Surface (bgs)
--	---

Date Start/Finish: 12/05/2023 Drilling Company: E-tech Driller's Name: -- Drilling Method: Excavation Sampling Method: Hand Auger & Backhoe Rig Type: Air Rotary	Latitude: 32.575545° Longitude: -103.670864° Casing Elevation: N/A Borehole Depth: 8.5' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolen	Well/Boring ID: SB-30 Client: Chevron Environmental Management Company Location: Lea County, New Mexico
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DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description
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	0' to 0.5' Soil			ML	Silty Sand; 7.5 YR 5/4 Brown, very fine to fine grained, subrounded to subangular, poorly sorted, loose, dry.
	2' to 2.5' Soil			SW	Gravelly Sand; 7.5 YR 6/3 Light Brown, fine to medium grained, subangular to subrounded, poorly sorted, some subangular to subrounded cobbles, some subangular to subrounded small to medium pebbles, loose, dry.
					Sand; 7.5 YR 7/3 Pink, fine to medium grained, moderately sorted, subrounded to subangular, dry, loose.
					Sand; 5 YR 6/4 Light Reddish Brown, fine to medium grained, rounded to subangular, well sorted, loosely consolidated, soft, dry.
-5	6' to 6.5' Soil			SP	
	8' to 8.5' Soil				
					End of excavation @ 8.5'

 Infrastructure · Water · Environment · Buildings	Remarks: 1. Below Ground Surface (bgs)
---	---

Date Start/Finish: 12/05/2023 Drilling Company: N/A Driller's Name: N/A Drilling Method: Hand Auger and Excavation Sampling Method: Grab Rig Type: Excavator	Latitude: 32.57533890° Longitude: -103.67049539° Casing Elevation: N/A Borehole Depth: 8.5' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolan	Well/Boring ID: SB-31 Client: Chevron Environmental Management Company Location: Lea County, New Mexico
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DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description
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		0' to 0.5' Soil			ML	Silty sand; 7.5 YR 5/4 brown, very fine to fine grained, subangular to subrounded, poorly sorted, loose, dry.
		2' to 2.5' Soil			SW	Gravelly sand; 7.5 YR 6/3 light brown, fine to medium grained, subangular to subrounded, poorly sorted, some subangular to subrounded cobbles, some subangular to subrounded small to medium pebbles, loose, dry.
						Sand; 7.5 YR 7/3 pink, fine to medium grained, moderately sorted, subangular to subrounded, loose, dy.
						Sand; 5 YR 6/4 light reddish brown, fine to medium grained, subangular to subrounded, well sorted, loosely consolidate, soft, dry.
-5					SP	
		6' to 6.5' Soil				
		8' to 8.5' Soil				
						End of excavation @ 8' bgs

 ARCADIS <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: 1. Below Ground Surface (bgs)
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Date Start/Finish: 12/05/2023 Drilling Company: -- Driller's Name: -- Drilling Method: Hand Auger Sampling Method: Grab Rig Type: Hand Auger	Latitude: 32.57521390° Longitude: -103.67137941° Casing Elevation: N/A Borehole Depth: 4.5' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolan	Well/Boring ID: SB-32 Client: Chevron Environmental Management Company Location: Lea County, New Mexico
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DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description
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		0' to 0.5' Soil					Silty sand; 5 YR 5/3 reddish brown, very fine to fine grained, monderatly to well sorted, subangular to subrounded, weakly consolidated, soft, loose, dry.
		2' to 2.5' Soil			ML		
		4' to 4.5' Soil			SP		Sand; 7.5 YR 7/3 pink, fine to medium grained, moderately sorted, subangular to subrounded, trace subrounded granuals, nonconsolidated, loose, dry.
							End of excavation @ 4.5' bgs

 ARCADIS Infrastructure · Water · Environment · Buildings	Remarks: 1. Below Ground Surface (bgs)
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Date Start/Finish: 12/05/2023 Drilling Company: -- Driller's Name: -- Drilling Method: Hand Auger Sampling Method: Grab Rig Type: Hand Auger	Latitude: 32.57492200° Longitude: -103.67140597° Casing Elevation: N/A Borehole Depth: 4.5' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolan	Well/Boring ID: SB-33 Client: Chevron Environmental Management Company Location: Lea County, New Mexico
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DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description
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		0' to 0.5' Soil					Silty Sand; 5 YR 5/3 reddish brown, very fine to fine grained, moderately to well sorted, subangular to subrounded, weakly consolidated, soft, loose, dry.
		2' to 2.5' Soil			ML		
		4' to 4.5' Soil			SP		Sand; 7.5 YR 7/3 pink, fine to medium grained, moderately sorted, subangular to subrounded, trace subrounded granuals, nonconsolidated, loose, dry.
							End of excavation @ 4.5' bgs

 ARCADIS Infrastructure · Water · Environment · Buildings	Remarks: 1. Below Ground Surface (bgs)
--	---

Date Start/Finish: 12/05/2023 Drilling Company: -- Driller's Name: -- Drilling Method: Hand Auger Sampling Method: Grab Rig Type: Hand Auger	Latitude: 32.57476049° Longitude: -103.67139417° Casing Elevation: N/A Borehole Depth: 4.5' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolan	Well/Boring ID: SB-34 Client: Chevron Environmental Management Company Location: Lea County, New Mexico
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DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description
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		0' to 0.5' Soil					Silty Sand; 5 YR 5/3 reddish brown, very fine to fine grained, moderately sorted, loose, soft, dry.
		2' to 2.5' Soil			ML		
		4' to 4.5' Soil					
End of excavation @ 4.5' bgs							

 ARCADIS Infrastructure · Water · Environment · Buildings	Remarks: 1. Below Ground Surface (bgs)
--	---

Date Start/Finish: 12/05/2023 Drilling Company: E-Tech Driller's Name: -- Drilling Method: Hand Auger and Backhoe Sampling Method: Grab Rig Type: Excavator	Latitude: 32.57465226° Longitude: -103.67103921° Casing Elevation: N/A Borehole Depth: 8.5' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolan	Well/Boring ID: SB-35 Client: Chevron Environmental Management Company Location: Lea County, New Mexico
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DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description
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		0' to 0.5' Soil					Silty Sand; 7.5 YR 5/4 brown, very fine to fine grained, subangular to subrounded, poorly sorted, trace granulas, loose, dry.
		2' to 2.5' Soil			ML		
		4' to 4.5' Soil			SW		Gravelly Sand; 7.5 YR 6/3 light brown, fine to medium grained, subangular to subrounded, poorly sorted, with some to little, large to medium, subangular pebbles, trace cobbles, loose, dry.
		6' to 6.5' Soil			SP		Sand; 5 YR 6/4 light reddish brown, fine to medium grained, moderately sorted, trace subrounded small pebbles, weakly consolidated, soft, dry.
		8' to 8.5' Soil					
							End of excavation @ 8.5' bgs

 ARCADIS Infrastructure · Water · Environment · Buildings	Remarks: 1. Below Ground Surface (bgs)
--	---

Date Start/Finish: 12/05/2023 Drilling Company: -- Driller's Name: -- Drilling Method: Hand Auger Sampling Method: Grab Rig Type: Hand Auger	Latitude: 32.57533890° Longitude: -103.67049539° Casing Elevation: N/A Borehole Depth: 4.5' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolan	Well/Boring ID: SB-36 Client: Chevron Environmental Management Company Location: Lea County, New Mexico
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DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description
-------	-------------------	-----------------	-----------------	-----	-----------	-----------------	---------------------------

		0' to 0.5' Soil					Silty Sand; 7.5 YR 5/4 Brown, very fine to fine grained, trace medium grains, poorly sorted, sub rounded to sub angular, loose, dry.
		2' to 2.5' Soil			ML		
		4' to 4.5' Soil			SW		Gravelly Sand; 7.5 YR 6/3 Light Brown, very fine to coarse grained, sun angular, poorly sorted, some small to large pebbles, subangular, little cobble, sub angular, dry, loose.
							End of excavation @ 4.5' bgs

 ARCADIS Infrastructure · Water · Environment · Buildings	Remarks: 1. Below Ground Surface (bgs)
--	---

Date Start/Finish: 12/04/2023 Drilling Company: HCI Driller's Name: Kenny Drilling Method: Air Rotary Sampling Method: Grab Rig Type: Air Rotary	Latitude: 32.574960° Longitude: -103.670878° Casing Elevation: N/A Borehole Depth: 41' Surface Elevation: Not Surveyed Descriptions By: Sarah Nolen	Well/Boring ID: TMW-1 Client: Chevron Environmental Management Company Location: Lea County, New Mexico
---	--	--

DEPTH	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID	USCS Code	Geologic Column	Stratigraphic Description
-------	-------------------	-----------------	-----------------	-----	-----------	-----------------	---------------------------

0							Gravelly Sand and Caliche Pad Fill; 7.5 YR 6/4 Light Brown, very fine to medium grained subrounded to subangular, with small to large cobbles and small to large pebbles, poorly sorted, loose, dry.
5							Gravelly Sand; 7.5 YR 6/4 Light Brown, very fine to medium grained, subangular to subrounded, poorly sorted, some little pebbles, small to large, subangular to subrounded, loose, soft, dry.
10							Sand; 5YR 5/4 Reddish Brown, fin to medium grained, subrounded to subangular grains with little to trace small granulars, poorly to moderately sorted, soft to loose, dry,
15							Sand; 5 YR 6/3 Light Reddish Brown, fine to coarse grains poorly sorted with some little small to medium subrounded to subangular granules, loose, dry.
20							
25							Sand; 5 YR 6/6 Reddish Yellow, very fine to fine grained, trace medium grains, well sorted, loose, dry to slightly moist.
30							
35							Gravelly Sand; 7.5 YR 7/2 Pinkish Gray, fine to very coarse, sub angular to subrounded, poorly sorted with large to medium subangular pebbles, trace cobbles, moist to wet, loose.
40							Sand; 7.5 YR 6/2 Pinkish Gray, medium to coarse grained, subrounded to subangular, well sorted, loose, wet.
							End of boring @ 41' bgs

 Infrastructure · Water · Environment · Buildings	Remarks: 1. Below Ground Surface (bgs) 2. Water Level @ 34.5 ft bgs
---	---

Appendix C

Soil Analytical Report



ANALYTICAL REPORT

December 20, 2023

Arcadis - Chevron - NM

Sample Delivery Group: L1684911
Samples Received: 12/06/2023
Project Number: 30195192
Description: WTU 622
Site: WTU 622
Report To: Sarah Johnson
1004 N Big Spring Street
Suite 121
Midland, TX 79701

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Cp: Cover Page	1	1 Cp
Tc: Table of Contents	2	
Ss: Sample Summary	4	2 Tc
Cn: Case Narrative	12	
Sr: Sample Results	13	3 Ss
SB-26-S-0-0.5-04122023 L1684911-01	13	
SB-26-S-2-2.5-04122023 L1684911-02	14	4 Cn
SB-26-S-4-4.5-04122023 L1684911-03	15	5 Sr
SB-25-S-0-0.5-04122023 L1684911-04	16	
SB-25-S-2-2.5-04122023 L1684911-05	17	6 Qc
SB-25-S-4-4.5-04122023 L1684911-06	18	7 Gl
SB-27-S-0-0.5-04122023 L1684911-07	19	
SB-27-S-2-2.5-04122023 L1684911-08	20	8 Al
SB-27-S-4-4.5-04122023 L1684911-09	21	
SB-34-S-0-0.5-04122023 L1684911-10	22	9 Sc
SB-34-S-2-2.5-04122023 L1684911-11	23	
SB-34-S-4-4.5-04122023 L1684911-12	24	
SB-33-S-0-0.5-04122023 L1684911-13	25	
SB-33-S-2-2.5-04122023 L1684911-14	26	
SB-33-S-4-4.5-04122023 L1684911-15	27	
SB-32-S-0-0.5-04122023 L1684911-16	28	
SB-32-S-2-2.5-04122023 L1684911-17	29	
SB-32-S-4-4.5-04122023 L1684911-18	30	
SB-36-S-0-0.5-04122023 L1684911-19	31	
SB-36-S-2-2.5-04122023 L1684911-20	32	
SB-36-S-4-4.5-04122023 L1684911-21	33	
SB-31-S-0-0.5-04122023 L1684911-22	34	
SB-31-S-2-2.5-04122023 L1684911-23	35	
SB-31-S-4-4.5-04122023 L1684911-24	36	
SB-31-S-6-6.5-04122023 L1684911-25	37	
SB-31-S-8-8.5-04122023 L1684911-26	38	
SB-30-S-0-0.5-04122023 L1684911-27	39	
SB-30-S-2-2.5-04122023 L1684911-28	40	
SB-30-S-4-4.5-04122023 L1684911-29	41	
SB-30-S-6-6.5-04122023 L1684911-30	42	
SB-30-S-8-8.5-04122023 L1684911-31	43	
SB-29-S-0-0.5-04122023 L1684911-32	44	
SB-29-S-2-2.5-04122023 L1684911-33	45	
SB-29-S-4-4.5-04122023 L1684911-34	46	
SB-29-S-6-6.5-04122023 L1684911-35	47	

SB-29-S-8-8.5-04122023	L1684911-36	48	1 Cp
SB-28-S-0-0.5-04122023	L1684911-37	49	
SB-28-S-2-2.5-04122023	L1684911-38	50	2 Tc
SB-28-S-4-4.5-04122023	L1684911-39	51	
SB-28-S-6-6.5-04122023	L1684911-40	52	3 Ss
SB-28-S-8-8.5-04122023	L1684911-41	53	
SB-35-S-0-0.5-04122023	L1684911-42	54	4 Cn
SB-35-S-2-2.5-04122023	L1684911-43	55	5 Sr
SB-35-S-4-4.5-04122023	L1684911-44	56	
SB-35-S-6-6.5-04122023	L1684911-45	57	6 Qc
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SB-26-S-0-0.5-04122023 L1684911-01 Solid

Collected by
Collected date/time
Received date/time

12/04/23 13:55
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188011	1.04	12/12/23 20:30	12/13/23 00:29	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186689	1	12/10/23 12:11	12/11/23 05:50	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184486	1	12/07/23 04:18	12/07/23 14:42	JAS	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

SB-26-S-2-2.5-04122023 L1684911-02 Solid

Collected by
Collected date/time
Received date/time

12/04/23 14:00
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188011	5.25	12/12/23 20:30	12/13/23 00:39	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186689	1	12/10/23 12:11	12/11/23 06:15	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 12:58	JAS	Mt. Juliet, TN

SB-26-S-4-4.5-04122023 L1684911-03 Solid

Collected by
Collected date/time
Received date/time

12/04/23 14:05
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188011	1	12/12/23 20:30	12/13/23 00:50	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186689	1	12/10/23 12:11	12/11/23 06:39	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 13:10	JAS	Mt. Juliet, TN

SB-25-S-0-0.5-04122023 L1684911-04 Solid

Collected by
Collected date/time
Received date/time

12/04/23 14:08
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188011	1.02	12/12/23 20:30	12/13/23 01:01	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 12:11	12/11/23 03:53	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 15:01	JAS	Mt. Juliet, TN

SB-25-S-2-2.5-04122023 L1684911-05 Solid

Collected by
Collected date/time
Received date/time

12/04/23 14:13
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188011	1	12/12/23 20:30	12/13/23 01:23	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 12:11	12/11/23 04:22	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 13:34	JAS	Mt. Juliet, TN

SB-25-S-4-4.5-04122023 L1684911-06 Solid

Collected by
Collected date/time
Received date/time

12/04/23 14:17
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188011	1.05	12/12/23 20:30	12/13/23 01:34	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 12:11	12/11/23 04:46	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 13:34	JAS	Mt. Juliet, TN

SB-27-S-0-0.5-04122023 L1684911-07 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188011	1.01	12/12/23 20:30	12/13/23 02:06	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 12:11	12/11/23 05:09	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 15:01	JAS	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected by
Collected date/time
Received date/time

SB-27-S-2-2.5-04122023 L1684911-08 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188011	1	12/12/23 20:30	12/13/23 02:17	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 12:11	12/11/23 05:32	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 14:36	JAS	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

SB-27-S-4-4.5-04122023 L1684911-09 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188011	5.1	12/12/23 20:30	12/13/23 02:28	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 12:11	12/11/23 05:56	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 14:11	JAS	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

SB-34-S-0-0.5-04122023 L1684911-10 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2183852	1	12/13/23 16:58	12/14/23 03:54	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 12:11	12/11/23 06:19	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 14:48	JAS	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

SB-34-S-2-2.5-04122023 L1684911-11 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2183852	5.1	12/13/23 16:58	12/14/23 04:04	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 12:11	12/11/23 06:42	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 13:47	JAS	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

SB-34-S-4-4.5-04122023 L1684911-12 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2183852	5.1	12/13/23 16:58	12/14/23 04:13	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 12:11	12/11/23 07:06	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 13:47	JAS	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

SB-33-S-0-0.5-04122023 L1684911-13 Solid

Collected by
Collected date/time
Received date/time

12/05/23 08:37
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2183852	5.05	12/13/23 16:58	12/14/23 04:42	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 12:11	12/11/23 07:29	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 13:59	JAS	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

SB-33-S-2-2.5-04122023 L1684911-14 Solid

Collected by
Collected date/time
Received date/time

12/05/23 08:39
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2183852	5	12/13/23 16:58	12/14/23 04:51	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 12:11	12/11/23 07:52	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 13:59	JAS	Mt. Juliet, TN

SB-33-S-4-4.5-04122023 L1684911-15 Solid

Collected by
Collected date/time
Received date/time

12/05/23 08:42
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	1	12/13/23 17:40	12/14/23 06:27	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 12:11	12/11/23 08:15	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 14:24	JAS	Mt. Juliet, TN

SB-32-S-0-0.5-04122023 L1684911-16 Solid

Collected by
Collected date/time
Received date/time

12/05/23 08:44
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2183852	1	12/13/23 16:58	12/14/23 05:01	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 13:51	12/11/23 08:39	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 15:13	JAS	Mt. Juliet, TN

SB-32-S-2-2.5-04122023 L1684911-17 Solid

Collected by
Collected date/time
Received date/time

12/05/23 08:46
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2183852	1.03	12/13/23 16:58	12/14/23 05:10	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 13:51	12/11/23 09:02	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 14:11	JAS	Mt. Juliet, TN

SB-32-S-4-4.5-04122023 L1684911-18 Solid

Collected by
Collected date/time
Received date/time

12/05/23 08:55
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2183852	1.05	12/13/23 16:58	12/14/23 05:20	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 13:51	12/11/23 09:29	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 13:22	JAS	Mt. Juliet, TN

SB-36-S-0-0.5-04122023 L1684911-19 Solid

Collected by
Collected date/time
Received date/time

12/05/23 09:32 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2183852	1.02	12/13/23 16:58	12/14/23 05:30	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186693	1	12/10/23 13:51	12/11/23 09:54	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 14:24	JAS	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

SB-36-S-2-2.5-04122023 L1684911-20 Solid

Collected by
Collected date/time
Received date/time

12/05/23 09:36 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188825	1.03	12/13/23 16:06	12/14/23 07:45	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2187147	1	12/10/23 13:51	12/11/23 18:32	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 15:13	JAS	Mt. Juliet, TN

SB-36-S-4-4.5-04122023 L1684911-21 Solid

Collected by
Collected date/time
Received date/time

12/05/23 09:40 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188825	1.04	12/13/23 16:06	12/14/23 08:00	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2187147	1	12/10/23 13:51	12/11/23 18:55	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184571	1	12/07/23 07:12	12/07/23 13:22	JAS	Mt. Juliet, TN

SB-31-S-0-0.5-04122023 L1684911-22 Solid

Collected by
Collected date/time
Received date/time

12/05/23 09:47 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188825	1.01	12/13/23 16:06	12/14/23 08:15	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2187147	1	12/10/23 13:51	12/11/23 19:18	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2184903	1	12/07/23 14:53	12/07/23 19:16	TJD	Mt. Juliet, TN

SB-31-S-2-2.5-04122023 L1684911-23 Solid

Collected by
Collected date/time
Received date/time

12/05/23 09:50 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188825	10	12/13/23 16:06	12/14/23 08:30	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2187147	1	12/10/23 13:51	12/11/23 19:41	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 02:48	JAS	Mt. Juliet, TN

SB-31-S-4-4.5-04122023 L1684911-24 Solid

Collected by
Collected date/time
Received date/time

12/05/23 09:55 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188825	10	12/13/23 16:06	12/14/23 08:44	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 13:51	12/11/23 03:13	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 03:01	JAS	Mt. Juliet, TN

SB-31-S-6-6.5-04122023 L1684911-25 Solid

				Collected by	Collected date/time	Received date/time
					12/05/23 11:57	12/06/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188825	5.05	12/13/23 16:06	12/14/23 08:59	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 13:51	12/11/23 03:35	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 03:15	JAS	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

SB-31-S-8-8.5-04122023 L1684911-26 Solid

				Collected by	Collected date/time	Received date/time
					12/05/23 12:00	12/06/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188825	10	12/13/23 16:06	12/14/23 09:29	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 13:51	12/11/23 03:58	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 03:29	JAS	Mt. Juliet, TN

SB-30-S-0-0.5-04122023 L1684911-27 Solid

				Collected by	Collected date/time	Received date/time
					12/05/23 11:07	12/06/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2183852	1	12/13/23 16:58	12/14/23 05:39	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 13:51	12/11/23 04:21	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 07:13	JAS	Mt. Juliet, TN

SB-30-S-2-2.5-04122023 L1684911-28 Solid

				Collected by	Collected date/time	Received date/time
					12/05/23 11:10	12/06/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	1.03	12/13/23 17:40	12/14/23 07:05	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 13:51	12/11/23 04:44	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 03:43	JAS	Mt. Juliet, TN

SB-30-S-4-4.5-04122023 L1684911-29 Solid

				Collected by	Collected date/time	Received date/time
					12/05/23 11:12	12/06/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	1	12/13/23 17:40	12/14/23 07:14	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 13:51	12/11/23 05:07	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 03:57	JAS	Mt. Juliet, TN

SB-30-S-6-6.5-04122023 L1684911-30 Solid

				Collected by	Collected date/time	Received date/time
					12/05/23 12:27	12/06/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	10	12/13/23 17:40	12/14/23 07:24	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 13:51	12/11/23 05:30	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 04:11	JAS	Mt. Juliet, TN

SB-30-S-8-8.5-04122023 L1684911-31 Solid

				Collected by	Collected date/time	Received date/time
					12/05/23 12:30	12/06/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	10.3	12/13/23 17:40	12/14/23 07:33	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 13:51	12/11/23 05:53	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 04:24	JAS	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

SB-29-S-0-0.5-04122023 L1684911-32 Solid

				Collected by	Collected date/time	Received date/time
					12/05/23 11:15	12/06/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	1.02	12/13/23 17:40	12/14/23 08:02	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 15:31	12/11/23 06:16	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 06:57	JAS	Mt. Juliet, TN

SB-29-S-2-2.5-04122023 L1684911-33 Solid

				Collected by	Collected date/time	Received date/time
					12/05/23 11:22	12/06/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	10	12/13/23 17:40	12/14/23 08:11	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 15:31	12/11/23 06:39	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 04:38	JAS	Mt. Juliet, TN

SB-29-S-4-4.5-04122023 L1684911-34 Solid

				Collected by	Collected date/time	Received date/time
					12/05/23 11:27	12/06/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	1.03	12/13/23 17:40	12/14/23 08:21	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 15:31	12/11/23 07:02	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 04:54	JAS	Mt. Juliet, TN

SB-29-S-6-6.5-04122023 L1684911-35 Solid

				Collected by	Collected date/time	Received date/time
					12/05/23 12:57	12/06/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	5.15	12/13/23 17:40	12/14/23 08:30	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 15:31	12/11/23 07:24	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 05:11	JAS	Mt. Juliet, TN

SB-29-S-8-8.5-04122023 L1684911-36 Solid

				Collected by	Collected date/time	Received date/time
					12/05/23 12:59	12/06/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	5	12/13/23 17:40	12/14/23 08:49	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 15:31	12/11/23 07:47	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 05:27	JAS	Mt. Juliet, TN

SB-28-S-0-0.5-04122023 L1684911-37 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	100	12/13/23 17:40	12/14/23 08:59	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 15:31	12/11/23 08:10	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 05:41	JAS	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

SB-28-S-2-2.5-04122023 L1684911-38 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	10.2	12/13/23 17:40	12/14/23 09:08	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 15:31	12/11/23 08:33	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 05:57	JAS	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

SB-28-S-4-4.5-04122023 L1684911-39 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	10.2	12/13/23 17:40	12/14/23 09:18	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 15:31	12/11/23 08:56	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185018	1	12/07/23 17:55	12/08/23 06:11	JAS	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

SB-28-S-6-6.5-04122023 L1684911-40 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	10.3	12/13/23 17:40	12/14/23 09:27	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 15:31	12/11/23 09:19	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185410	1	12/08/23 06:24	12/08/23 15:20	JAS	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

SB-28-S-8-8.5-04122023 L1684911-41 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	10	12/13/23 17:40	12/14/23 09:56	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 15:31	12/11/23 09:42	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185061	1	12/07/23 18:00	12/08/23 12:23	JAS	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

SB-35-S-0-0.5-04122023 L1684911-42 Solid

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	1.02	12/13/23 17:40	12/14/23 10:06	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 15:31	12/11/23 10:05	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185061	10	12/07/23 18:00	12/08/23 15:52	JAS	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

SB-35-S-2-2.5-04122023 L1684911-43 Solid

Collected by
Collected date/time
Received date/time

12/05/23 11:47
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	1	12/13/23 17:40	12/14/23 10:15	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186695	1	12/10/23 15:31	12/11/23 10:27	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185061	5	12/07/23 18:00	12/08/23 16:19	JAS	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

SB-35-S-4-4.5-04122023 L1684911-44 Solid

Collected by
Collected date/time
Received date/time

12/05/23 11:51
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	1	12/13/23 17:40	12/14/23 10:25	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186689	1	12/10/23 15:31	12/11/23 07:03	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185061	1	12/07/23 18:00	12/08/23 12:49	JAS	Mt. Juliet, TN

SB-35-S-6-6.5-04122023 L1684911-45 Solid

Collected by
Collected date/time
Received date/time

12/05/23 13:34
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	1.03	12/13/23 17:40	12/14/23 10:34	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186689	1	12/10/23 15:31	12/11/23 07:27	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185061	1	12/07/23 18:00	12/08/23 16:06	JAS	Mt. Juliet, TN

SB-35-S-8-8.5-04122023 L1684911-46 Solid

Collected by
Collected date/time
Received date/time

12/05/23 13:45
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2188827	1.04	12/13/23 17:40	12/14/23 10:44	ASM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2186689	1	12/10/23 15:31	12/11/23 07:51	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2185061	1	12/07/23 18:00	12/08/23 12:10	JAS	Mt. Juliet, TN

TMW-1-W-04122023 L1684911-47 GW

Collected by
Collected date/time
Received date/time

12/04/23 11:05
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2186613	1	12/11/23 12:14	12/11/23 21:46	JAC	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2185313	1	12/10/23 19:42	12/10/23 19:42	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2184373	1	12/07/23 07:41	12/08/23 15:27	MAA	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 12/04/23 13:55

L1684911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.5		1	12/08/2023 07:49	WG2184611

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	53.6		10.2	22.2	1.04	12/13/2023 00:29	WG2188011

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0232	J	0.0232	0.107	1	12/11/2023 05:50	WG2186689
(S) a,a,a-Trifluorotoluene(FID)	86.9			77.0-120		12/11/2023 05:50	WG2186689

5 Sr

6 Qc

7 Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.68	J	0.823	4.28	1	12/07/2023 14:42	WG2184486
(S) o-Terphenyl	41.6			18.0-148		12/07/2023 14:42	WG2184486

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.4		1	12/08/2023 07:49	WG2184611

1
Cp

2
Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1940		54.0	117	5.25	12/13/2023 00:39	WG2188011

3
Ss

4
Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0243	0.112	1	12/11/2023 06:15	WG2186689
(S) a,a,a-Trifluorotoluene(FID)	88.6			77.0-120		12/11/2023 06:15	WG2186689

5
Sr

6
Qc

7
Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.860	4.47	1	12/07/2023 12:58	WG2184571
(S) o-Terphenyl	46.7			18.0-148		12/07/2023 12:58	WG2184571

8
Al

9
Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.7		1	12/08/2023 07:49	WG2184611

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	543		10.3	22.3	1	12/13/2023 00:50	WG2188011

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0249	B J	0.0242	0.111	1	12/11/2023 06:39	WG2186689
(S) a,a,a-Trifluorotoluene(FID)	88.6			77.0-120		12/11/2023 06:39	WG2186689

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.857	4.46	1	12/07/2023 13:10	WG2184571
(S) o-Terphenyl	29.6			18.0-148		12/07/2023 13:10	WG2184571

⁸ Al

⁹ Sc

Collected date/time: 12/04/23 14:08

L1684911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.9		1	12/08/2023 07:49	WG2184611

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	11.4	J	9.98	21.7	1.02	12/13/2023 01:01	WG2188011

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0236	J	0.0231	0.106	1	12/11/2023 03:53	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	94.0			77.0-120		12/11/2023 03:53	WG2186693

5 Sr

6 Qc

7 Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.10	J	0.819	4.26	1	12/07/2023 15:01	WG2184571
(S) o-Terphenyl	61.1			18.0-148		12/07/2023 15:01	WG2184571

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.3		1	12/08/2023 07:49	WG2184611

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	34.6		10.9	23.7	1	12/13/2023 01:23	WG2188011

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0258	0.119	1	12/11/2023 04:22	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	96.0			77.0-120		12/11/2023 04:22	WG2186693

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.913	4.75	1	12/07/2023 13:34	WG2184571
(S) o-Terphenyl	31.2			18.0-148		12/07/2023 13:34	WG2184571

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.2		1	12/08/2023 07:49	WG2184611

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	391		10.7	23.3	1.05	12/13/2023 01:34	WG2188011

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0241	0.111	1	12/11/2023 04:46	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	96.2			77.0-120		12/11/2023 04:46	WG2186693

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.853	4.43	1	12/07/2023 13:34	WG2184571
(S) o-Terphenyl	49.8			18.0-148		12/07/2023 13:34	WG2184571

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.1		1	12/08/2023 07:49	WG2184611

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	10.9	J	9.77	21.2	1.01	12/13/2023 02:06	WG2188011

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0304	J	0.0228	0.105	1	12/11/2023 05:09	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	94.2			77.0-120		12/11/2023 05:09	WG2186693

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.76		0.809	4.21	1	12/07/2023 15:01	WG2184571
(S) o-Terphenyl	31.4			18.0-148		12/07/2023 15:01	WG2184571

⁸ Al

⁹ Sc

Collected date/time: 12/04/23 14:21

L1684911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.0		1	12/08/2023 07:49	WG2184611

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	288		10.1	22.0	1	12/13/2023 02:17	WG2188011

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0239	0.110	1	12/11/2023 05:32	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	95.4			77.0-120		12/11/2023 05:32	WG2186693

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.66	J	0.845	4.40	1	12/07/2023 14:36	WG2184571
(S) o-Terphenyl	53.2			18.0-148		12/07/2023 14:36	WG2184571

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	12/08/2023 07:58	WG2184612

1
Cp

2
Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1920		52.9	115	5.1	12/13/2023 02:28	WG2188011

3
Ss

4
Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0245	0.113	1	12/11/2023 05:56	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	96.1			77.0-120		12/11/2023 05:56	WG2186693

5
Sr

6
Qc

7
Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.12	J	0.867	4.51	1	12/07/2023 14:11	WG2184571
(S) o-Terphenyl	32.4			18.0-148		12/07/2023 14:11	WG2184571

8
Al

9
Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.8		1	12/08/2023 07:58	WG2184612

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	U		9.70	21.1	1	12/14/2023 03:54	WG2183852

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0305	<u>J</u>	0.0229	0.105	1	12/11/2023 06:19	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	94.6			77.0-120		12/11/2023 06:19	WG2186693

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.86	<u>J</u>	0.811	4.22	1	12/07/2023 14:48	WG2184571
(S) o-Terphenyl	49.7			18.0-148		12/07/2023 14:48	WG2184571

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.6		1	12/08/2023 07:58	WG2184612

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	2210		52.9	115	5.1	12/14/2023 04:04	WG2183852

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0245	0.113	1	12/11/2023 06:42	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	95.6			77.0-120		12/11/2023 06:42	WG2186693

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.868	4.51	1	12/07/2023 13:47	WG2184571
(S) o-Terphenyl	28.0			18.0-148		12/07/2023 13:47	WG2184571

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.0		1	12/08/2023 07:58	WG2184612

1
Cp

2
Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	2530		55.2	120	5.1	12/14/2023 04:13	WG2183852

3
Ss

4
Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0255	0.118	1	12/11/2023 07:06	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	97.5			77.0-120		12/11/2023 07:06	WG2186693

5
Sr

6
Qc

7
Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.905	4.71	1	12/07/2023 13:47	WG2184571
(S) o-Terphenyl	46.2			18.0-148		12/07/2023 13:47	WG2184571

8
Al

9
Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	12/08/2023 07:58	WG2184612

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	2090		51.5	112	5.05	12/14/2023 04:42	WG2183852

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0240	0.111	1	12/11/2023 07:29	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	95.6			77.0-120		12/11/2023 07:29	WG2186693

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.07	J	0.851	4.43	1	12/07/2023 13:59	WG2184571
(S) o-Terphenyl	34.1			18.0-148		12/07/2023 13:59	WG2184571

⁸ Al

⁹ Sc

Collected date/time: 12/05/23 08:39

L1684911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.6		1	12/08/2023 07:58	WG2184612

¹ Cp² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	3320		51.9	113	5	12/14/2023 04:51	WG2183852

³ Ss⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0245	0.113	1	12/11/2023 07:52	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	95.7			77.0-120		12/11/2023 07:52	WG2186693

⁵ Sr⁶ Qc⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.868	4.51	1	12/07/2023 13:59	WG2184571
(S) o-Terphenyl	46.3			18.0-148		12/07/2023 13:59	WG2184571

⁸ Al⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.9		1	12/08/2023 07:58	WG2184612

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	U		9.69	21.1	1	12/14/2023 06:27	WG2188827

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0229	0.105	1	12/11/2023 08:15	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	95.0			77.0-120		12/11/2023 08:15	WG2186693

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.71	J	0.810	4.21	1	12/07/2023 14:24	WG2184571
(S) o-Terphenyl	55.2			18.0-148		12/07/2023 14:24	WG2184571

⁸ Al

⁹ Sc

Collected date/time: 12/05/23 08:44

L1684911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.9		1	12/08/2023 07:58	WG2184612

¹ Cp² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	U		9.70	21.1	1	12/14/2023 05:01	WG2183852

³ Ss⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0266	<u>J</u>	0.0229	0.105	1	12/11/2023 08:39	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	94.4			77.0-120		12/11/2023 08:39	WG2186693

⁵ Sr⁶ Qc⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.17	<u>J</u>	0.811	4.22	1	12/07/2023 15:13	WG2184571
(S) o-Terphenyl	25.8			18.0-148		12/07/2023 15:13	WG2184571

⁸ Al⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.1		1	12/08/2023 07:58	WG2184612

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	109		10.4	22.6	1.03	12/14/2023 05:10	WG2183852

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0238	0.110	1	12/11/2023 09:02	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	95.8			77.0-120		12/11/2023 09:02	WG2186693

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.844	4.39	1	12/07/2023 14:11	WG2184571
(S) o-Terphenyl	46.5			18.0-148		12/07/2023 14:11	WG2184571

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.6		1	12/08/2023 07:58	WG2184612

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	66.8		10.7	23.2	1.05	12/14/2023 05:20	WG2183852

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0239	0.110	1	12/11/2023 09:29	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	96.0			77.0-120		12/11/2023 09:29	WG2186693

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.849	4.41	1	12/07/2023 13:22	WG2184571
(S) o-Terphenyl	42.4			18.0-148		12/07/2023 13:22	WG2184571

⁸ Al

⁹ Sc

Collected date/time: 12/05/23 09:32

L1684911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.9		1	12/07/2023 18:20	WG2184613

¹ Cp² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	12.7	<u>J</u>	10.2	22.2	1.02	12/14/2023 05:30	WG2183852

³ Ss⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0283	<u>J</u>	0.0236	0.109	1	12/11/2023 09:54	WG2186693
(S) a,a,a-Trifluorotoluene(FID)	95.0			77.0-120		12/11/2023 09:54	WG2186693

⁵ Sr⁶ Qc⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.61	<u>J J3 J6</u>	0.836	4.35	1	12/07/2023 14:24	WG2184571
(S) o-Terphenyl	33.3			18.0-148		12/07/2023 14:24	WG2184571

⁸ Al⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.2		1	12/07/2023 18:20	WG2184613

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	19.2	J	10.6	23.1	1.03	12/14/2023 07:45	WG2188825

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0243	0.112	1	12/11/2023 18:32	WG2187147
(S) a,a,a-Trifluorotoluene(FID)	95.7			77.0-120		12/11/2023 18:32	WG2187147

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.862	4.48	1	12/07/2023 15:13	WG2184571
(S) o-Terphenyl	40.3			18.0-148		12/07/2023 15:13	WG2184571

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.9		1	12/07/2023 18:20	WG2184613

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	74.2		10.1	21.9	1.04	12/14/2023 08:00	WG2188825

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0229	0.105	1	12/11/2023 18:55	WG2187147
(S) a,a,a-Trifluorotoluene(FID)	95.8			77.0-120		12/11/2023 18:55	WG2187147

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.810	4.21	1	12/07/2023 13:22	WG2184571
(S) o-Terphenyl	50.6			18.0-148		12/07/2023 13:22	WG2184571

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.4		1	12/07/2023 18:20	WG2184613

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	237		9.64	21.0	1.01	12/14/2023 08:15	WG2188825

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0298	<u>J</u>	0.0225	0.104	1	12/11/2023 19:18	WG2187147
(S) a,a,a-Trifluorotoluene(FID)	94.7			77.0-120		12/11/2023 19:18	WG2187147

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.75		0.798	4.15	1	12/07/2023 19:16	WG2184903
(S) o-Terphenyl	29.5			18.0-148		12/07/2023 19:16	WG2184903

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.6		1	12/07/2023 18:20	WG2184613

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	3760		103	223	10	12/14/2023 08:30	WG2188825

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0242	0.112	1	12/11/2023 19:41	WG2187147
(S) a,a,a-Trifluorotoluene(FID)	95.7			77.0-120		12/11/2023 19:41	WG2187147

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.52	J	0.858	4.46	1	12/08/2023 02:48	WG2185018
(S) o-Terphenyl	46.8			18.0-148		12/08/2023 02:48	WG2185018

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	12/07/2023 18:20	WG2184613

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	4810		104	227	10	12/14/2023 08:44	WG2188825

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0246	0.113	1	12/11/2023 03:13	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	95.0			77.0-120		12/11/2023 03:13	WG2186695

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.06	J	0.872	4.54	1	12/08/2023 03:01	WG2185018
(S) o-Terphenyl	40.3			18.0-148		12/08/2023 03:01	WG2185018

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.5		1	12/07/2023 18:20	WG2184613

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	2370		49.7	108	5.05	12/14/2023 08:59	WG2188825

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0232	0.107	1	12/11/2023 03:35	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	94.8			77.0-120		12/11/2023 03:35	WG2186695

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.822	4.28	1	12/08/2023 03:15	WG2185018
(S) o-Terphenyl	42.8			18.0-148		12/08/2023 03:15	WG2185018

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.1		1	12/07/2023 18:20	WG2184613

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	4400		107	232	10	12/14/2023 09:29	WG2188825

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0252	0.116	1	12/11/2023 03:58	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	94.5			77.0-120		12/11/2023 03:58	WG2186695

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.893	4.64	1	12/08/2023 03:29	WG2185018
(S) o-Terphenyl	40.5			18.0-148		12/08/2023 03:29	WG2185018

⁸ Al

⁹ Sc

Collected date/time: 12/05/23 11:07

L1684911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.5		1	12/07/2023 18:20	WG2184613

¹ Cp² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	10.7	J	9.84	21.4	1	12/14/2023 05:39	WG2183852

³ Ss⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0297	J	0.0232	0.107	1	12/11/2023 04:21	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	93.2			77.0-120		12/11/2023 04:21	WG2186695

⁵ Sr⁶ Qc⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.66		0.822	4.28	1	12/08/2023 07:13	WG2185018
(S) o-Terphenyl	36.3			18.0-148		12/08/2023 07:13	WG2185018

⁸ Al⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.3		1	12/07/2023 18:20	WG2184613

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	U		11.2	24.4	1.03	12/14/2023 07:05	WG2188827

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0257	0.119	1	12/11/2023 04:44	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	94.7			77.0-120		12/11/2023 04:44	WG2186695

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.912	4.74	1	12/08/2023 03:43	WG2185018
(S) o-Terphenyl	41.2			18.0-148		12/08/2023 03:43	WG2185018

⁸ Al

⁹ Sc

SB-30-3-4-4-5-04122023

Collected date/time: 12/05/23 11:12

L1684911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.9		1	12/07/2023 18:33	WG2184614

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	U		10.2	22.2	1	12/14/2023 07:14	WG2188827

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0241	0.111	1	12/11/2023 05:07	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	95.0			77.0-120		12/11/2023 05:07	WG2186695

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.855	4.45	1	12/08/2023 03:57	WG2185018
(S) o-Terphenyl	35.3			18.0-148		12/08/2023 03:57	WG2185018

⁸ Al

⁹ Sc

Collected date/time: 12/05/23 12:27

L1684911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.3		1	12/07/2023 18:33	WG2184614

¹ Cp² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	3330		101	219	10	12/14/2023 07:24	WG2188827

³ Ss⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0238	0.110	1	12/11/2023 05:30	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	94.9			77.0-120		12/11/2023 05:30	WG2186695

⁵ Sr⁶ Qc⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.843	4.38	1	12/08/2023 04:11	WG2185018
(S) o-Terphenyl	38.3			18.0-148		12/08/2023 04:11	WG2185018

⁸ Al⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	12/07/2023 18:33	WG2184614

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	2990		105	229	10.3	12/14/2023 07:33	WG2188827

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0241	0.111	1	12/11/2023 05:53	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	95.0			77.0-120		12/11/2023 05:53	WG2186695

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.854	4.44	1	12/08/2023 04:24	WG2185018
(S) o-Terphenyl	35.6			18.0-148		12/08/2023 04:24	WG2185018

⁸ Al

⁹ Sc

Collected date/time: 12/05/23 11:15

L1684911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.1		1	12/07/2023 18:33	WG2184614

¹ Cp² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	U		9.66	21.0	1.02	12/14/2023 08:02	WG2188827

³ Ss⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0247	<u>J</u>	0.0224	0.103	1	12/11/2023 06:16	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	94.5			77.0-120		12/11/2023 06:16	WG2186695

⁵ Sr⁶ Qc⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.49	<u>J</u>	0.792	4.12	1	12/08/2023 06:57	WG2185018
(S) o-Terphenyl	42.4			18.0-148		12/08/2023 06:57	WG2185018

⁸ Al⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.2		1	12/07/2023 18:33	WG2184614

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	2900		103	224	10	12/14/2023 08:11	WG2188827

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0243	0.112	1	12/11/2023 06:39	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	94.9			77.0-120		12/11/2023 06:39	WG2186695

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.15	J	0.862	4.48	1	12/08/2023 04:38	WG2185018
(S) o-Terphenyl	44.2			18.0-148		12/08/2023 04:38	WG2185018

⁸ Al

⁹ Sc

Collected date/time: 12/05/23 11:27

L1684911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.0		1	12/07/2023 18:33	WG2184614

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1880		11.7	25.4	1.03	12/14/2023 08:21	WG2188827

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0268	0.123	1	12/11/2023 07:02	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	95.6			77.0-120		12/11/2023 07:02	WG2186695

5 Sr

6 Qc

7 Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.949	4.94	1	12/08/2023 04:54	WG2185018
(S) o-Terphenyl	39.6			18.0-148		12/08/2023 04:54	WG2185018

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.9		1	12/07/2023 18:33	WG2184614

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	2480		51.0	111	5.15	12/14/2023 08:30	WG2188827

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0234	0.108	1	12/11/2023 07:24	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	95.4			77.0-120		12/11/2023 07:24	WG2186695

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.828	4.31	1	12/08/2023 05:11	WG2185018
(S) o-Terphenyl	39.8			18.0-148		12/08/2023 05:11	WG2185018

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.4		1	12/07/2023 18:33	WG2184614

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	3020		50.4	109	5	12/14/2023 08:49	WG2188827

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0238	0.109	1	12/11/2023 07:47	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	95.6			77.0-120		12/11/2023 07:47	WG2186695

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.842	4.38	1	12/08/2023 05:27	WG2185018
(S) o-Terphenyl	41.2			18.0-148		12/08/2023 05:27	WG2185018

⁸ Al

⁹ Sc

Collected date/time: 12/05/23 11:30

L1684911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.2		1	12/07/2023 18:33	WG2184614

¹ Cp² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	11800		967	2100	100	12/14/2023 08:59	WG2188827

³ Ss⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0228	0.105	1	12/11/2023 08:10	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	94.2			77.0-120		12/11/2023 08:10	WG2186695

⁵ Sr⁶ Qc⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.20		0.808	4.20	1	12/08/2023 05:41	WG2185018
(S) o-Terphenyl	32.1			18.0-148		12/08/2023 05:41	WG2185018

⁸ Al⁹ Sc

Collected date/time: 12/05/23 11:32

L1684911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.8		1	12/07/2023 18:33	WG2184614

¹ Cp² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	8720		112	243	10.2	12/14/2023 09:08	WG2188827

³ Ss⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0259	0.119	1	12/11/2023 08:33	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	95.1			77.0-120		12/11/2023 08:33	WG2186695

⁵ Sr⁶ Qc⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.77	J	0.918	4.77	1	12/08/2023 05:57	WG2185018
(S) o-Terphenyl	43.0			18.0-148		12/08/2023 05:57	WG2185018

⁸ Al⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.1		1	12/07/2023 18:49	WG2184615

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	6830		110	240	10.2	12/14/2023 09:18	WG2188827

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0255	0.118	1	12/11/2023 08:56	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	95.8			77.0-120		12/11/2023 08:56	WG2186695

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.08	J J3 J6	0.904	4.70	1	12/08/2023 06:11	WG2185018
(S) o-Terphenyl	35.7			18.0-148		12/08/2023 06:11	WG2185018

⁸ Al

⁹ Sc

Collected date/time: 12/05/23 13:02

L1684911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	12/07/2023 18:49	WG2184615

¹ Cp² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	3520		106	229	10.3	12/14/2023 09:27	WG2188827

³ Ss⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0261	<u>J</u>	0.0242	0.111	1	12/11/2023 09:19	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	96.1			77.0-120		12/11/2023 09:19	WG2186695

⁵ Sr⁶ Qc⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	18.4		0.857	4.46	1	12/08/2023 15:20	WG2185410
(S) o-Terphenyl	35.8			18.0-148		12/08/2023 15:20	WG2185410

⁸ Al⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.7		1	12/07/2023 18:49	WG2184615

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	3330		105	228	10	12/14/2023 09:56	WG2188827

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0247	0.114	1	12/11/2023 09:42	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	96.5			77.0-120		12/11/2023 09:42	WG2186695

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.877	4.56	1	12/08/2023 12:23	WG2185061
(S) o-Terphenyl	34.6			18.0-148		12/08/2023 12:23	WG2185061

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.4		1	12/07/2023 18:49	WG2184615

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	26.2		10.9	23.6	1.02	12/14/2023 10:06	WG2188827

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0251	0.116	1	12/11/2023 10:05	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	94.9			77.0-120		12/11/2023 10:05	WG2186695

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	94.6		8.90	46.3	10	12/08/2023 15:52	WG2185061
(S) o-Terphenyl	22.4			18.0-148		12/08/2023 15:52	WG2185061

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.7		1	12/07/2023 18:49	WG2184615

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1050		10.7	23.3	1	12/14/2023 10:15	WG2188827

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0300	J	0.0253	0.117	1	12/11/2023 10:27	WG2186695
(S) a,a,a-Trifluorotoluene(FID)	93.6			77.0-120		12/11/2023 10:27	WG2186695

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	85.0		4.49	23.3	5	12/08/2023 16:19	WG2185061
(S) o-Terphenyl	45.0			18.0-148		12/08/2023 16:19	WG2185061

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.5		1	12/07/2023 18:49	WG2184615

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	50.9		12.4	26.9	1	12/14/2023 10:25	WG2188827

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0291	0.134	1	12/11/2023 07:03	WG2186689
(S) a,a,a-Trifluorotoluene(FID)	89.2			77.0-120		12/11/2023 07:03	WG2186689

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.60	J	1.03	5.37	1	12/08/2023 12:49	WG2185061
(S) o-Terphenyl	26.1			18.0-148		12/08/2023 12:49	WG2185061

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.9		1	12/07/2023 18:49	WG2184615

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1170		10.6	22.9	1.03	12/14/2023 10:34	WG2188827

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0276	B J	0.0241	0.111	1	12/11/2023 07:27	WG2186689
(S) a,a,a-Trifluorotoluene(FID)	90.6			77.0-120		12/11/2023 07:27	WG2186689

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	12.7		0.856	4.45	1	12/08/2023 16:06	WG2185061
(S) o-Terphenyl	35.8			18.0-148		12/08/2023 16:06	WG2185061

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	70.6		1	12/07/2023 18:49	WG2184615

¹ Cp

² Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	148		13.5	29.4	1.04	12/14/2023 10:44	WG2188827

³ Ss

⁴ Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0307	0.142	1	12/11/2023 07:51	WG2186689
(S) a,a,a-Trifluorotoluene(FID)	88.5			77.0-120		12/11/2023 07:51	WG2186689

⁵ Sr

⁶ Qc

⁷ Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		1.09	5.66	1	12/08/2023 12:10	WG2185061
(S) o-Terphenyl	49.2			18.0-148		12/08/2023 12:10	WG2185061

⁸ Al

⁹ Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	16600		400	1	12/11/2023 21:46	WG2186613

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	12/10/2023 19:42	WG2185313
Toluene	U		0.000412	0.00100	1	12/10/2023 19:42	WG2185313
Ethylbenzene	U		0.000160	0.000500	1	12/10/2023 19:42	WG2185313
Total Xylene	U		0.000510	0.00150	1	12/10/2023 19:42	WG2185313
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	12/10/2023 19:42	WG2185313
(S) a,a,a-Trifluorotoluene(FID)	94.3			78.0-120		12/10/2023 19:42	WG2185313
(S) a,a,a-Trifluorotoluene(PID)	102			79.0-125		12/10/2023 19:42	WG2185313

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.429	B	0.0247	0.100	1	12/08/2023 15:27	WG2184373
(S) o-Terphenyl	95.3			31.0-160		12/08/2023 15:27	WG2184373

Method Blank (MB)

(MB) R4012135-1 12/11/23 21:46

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		10.0	10.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1684555-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1684555-02 12/11/23 21:46 • (DUP) R4012135-3 12/11/23 21:46

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1530	1580	1	3.09		5

L1684557-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1684557-01 12/11/23 21:46 • (DUP) R4012135-4 12/11/23 21:46

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1380	1430	1	3.75		5

Laboratory Control Sample (LCS)

(LCS) R4012135-2 12/11/23 21:46

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8720	99.1	85.0-115	

Total Solids by Method 2540 G-2011 [L1684911-01,02,03,04,05,06,07,08](#)

Method Blank (MB)

(MB) R4010657-1 12/08/23 07:49

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00700	⬇		

¹Cp

²Tc

³Ss

L1684911-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1684911-02 12/08/23 07:49 • (DUP) R4010657-3 12/08/23 07:49

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	89.4	89.4	1	0.00783		10

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R4010657-2 12/08/23 07:49

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	99.9	90.0-110	

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011 [L1684911-09,10,11,12,13,14,15,16,17,18](#)

Method Blank (MB)

(MB) R4010665-1 12/08/23 07:58

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
	%		%	%
Total Solids	0.00200			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1684911-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1684911-13 12/08/23 07:58 • (DUP) R4010665-3 12/08/23 07:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	%	%		%		%
Total Solids	90.3	90.0	1	0.347		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4010665-2 12/08/23 07:58

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
	%	%	%	%	
Total Solids	50.0	50.0	99.9	90.0-110	

⁹Sc

Total Solids by Method 2540 G-2011 [L1684911-19,20,21,22,23,24,25,26,27,28](#)

Method Blank (MB)

(MB) R4009752-1 12/07/23 18:20

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00400			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1684911-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1684911-22 12/07/23 18:20 • (DUP) R4009752-3 12/07/23 18:20

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	96.4	96.2	1	0.223		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4009752-2 12/07/23 18:20

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

⁹Sc

Total Solids by Method 2540 G-2011 [L1684911-29,30,31,32,33,34,35,36,37,38](#)

Method Blank (MB)

(MB) R4009753-1 12/07/23 18:33

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00500	⬇		

¹Cp

²Tc

³Ss

L1684911-32 Original Sample (OS) • Duplicate (DUP)

(OS) L1684911-32 12/07/23 18:33 • (DUP) R4009753-3 12/07/23 18:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	97.1	97.1	1	0.0243		10

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R4009753-2 12/07/23 18:33

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011 [L1684911-39,40,41,42,43,44,45,46](#)

Method Blank (MB)

(MB) R4009754-1 12/07/23 18:49

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00200			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1684911-42 Original Sample (OS) • Duplicate (DUP)

(OS) L1684911-42 12/07/23 18:49 • (DUP) R4009754-3 12/07/23 18:49

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	86.4	87.8	1	1.67		10

Laboratory Control Sample (LCS)

(LCS) R4009754-2 12/07/23 18:49

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	49.9	99.8	90.0-110	

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4012615-1 12/14/23 00:39

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		9.20	20.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1683003-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1683003-01 12/14/23 01:28 • (DUP) R4012615-3 12/14/23 01:37

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	U	U	1	0.000		20

L1683436-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1683436-01 12/14/23 02:44 • (DUP) R4012615-6 12/14/23 02:53

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte				%		%
Chloride	861	826	1	4.14		20

Laboratory Control Sample (LCS)

(LCS) R4012615-2 12/14/23 00:48

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	202	101	90.0-110	

L1683003-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1683003-01 12/14/23 01:28 • (MS) R4012615-4 12/14/23 01:47 • (MSD) R4012615-5 12/14/23 01:56

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	200	U	201	199	100	99.3	1	80.0-120			1.02	20

Wet Chemistry by Method 300.0

[L1684911-01,02,03,04,05,06,07,08,09](#)

Method Blank (MB)

(MB) R4011970-1 12/12/23 23:28

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		9.20	20.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1684911-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1684911-04 12/13/23 01:01 • (DUP) R4011970-3 12/13/23 01:12

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	11.4	11.0	1.04	3.89	⌵	20

L1686621-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1686621-14 12/13/23 04:53 • (DUP) R4011970-4 12/13/23 05:04

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	137	129	5.1	6.38		20

Laboratory Control Sample (LCS)

(LCS) R4011970-2 12/12/23 23:39

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	199	99.3	90.0-110	

L1686621-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1686621-14 12/13/23 04:53 • (MS) R4011970-5 12/13/23 05:15 • (MSD) R4011970-6 12/13/23 05:25

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	200	137	336	333	99.2	97.8	5.2	80.0-120			0.847	20

Wet Chemistry by Method 300.0

[L1684911-20,21,22,23,24,25,26](#)

Method Blank (MB)

(MB) R4013210-1 12/14/23 07:15

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		9.20	20.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1684911-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1684911-25 12/14/23 08:59 • (DUP) R4013210-3 12/14/23 09:14

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	2370	2370	5	0.227		20

L1684922-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1684922-01 12/14/23 10:14 • (DUP) R4013210-4 12/14/23 10:29

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	124	124	1	0.0233		20

Laboratory Control Sample (LCS)

(LCS) R4013210-2 12/14/23 07:30

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	198	99.2	90.0-110	

L1684922-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1684922-01 12/14/23 10:14 • (MS) R4013210-5 12/14/23 10:44 • (MSD) R4013210-6 12/14/23 10:59

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	200	124	329	310	103	93.4	1	80.0-120			5.97	20

Wet Chemistry by Method 300.0

L1684911-15,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46

Method Blank (MB)

(MB) R4012640-1 12/14/23 06:08

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		9.20	20.0

L1684911-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1684911-15 12/14/23 06:27 • (DUP) R4012640-3 12/14/23 06:36

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	U	U	1	0.000		20

L1684911-35 Original Sample (OS) • Duplicate (DUP)

(OS) L1684911-35 12/14/23 08:30 • (DUP) R4012640-6 12/14/23 08:40

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	2480	2540	5.15	2.24		20

Laboratory Control Sample (LCS)

(LCS) R4012640-2 12/14/23 06:17

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	200	100	90.0-110	

L1684911-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1684911-15 12/14/23 06:27 • (MS) R4012640-4 12/14/23 06:46 • (MSD) R4012640-5 12/14/23 06:55

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	211	U	217	222	103	105	1	80.0-120			2.14	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015/8021

[L1684911-47](#)

Method Blank (MB)

(MB) R4011376-2 12/10/23 13:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	96.1			78.0-120
(S) a,a,a-Trifluorotoluene(PID)	105			79.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4011376-1 12/10/23 12:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0545	109	77.0-122	
Toluene	0.0500	0.0547	109	80.0-121	
Ethylbenzene	0.0500	0.0552	110	80.0-123	
Total Xylene	0.150	0.170	113	47.0-154	
(S) a,a,a-Trifluorotoluene(FID)			102	78.0-120	
(S) a,a,a-Trifluorotoluene(PID)			108	79.0-125	

Laboratory Control Sample (LCS)

(LCS) R4011376-3 12/10/23 14:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.96	90.2	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			97.6	78.0-120	
(S) a,a,a-Trifluorotoluene(PID)			107	79.0-125	

Volatile Organic Compounds (GC) by Method 8015/8021 [L1684911-47](#)

L1684452-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1684452-01 12/10/23 16:24 • (MS) R4011376-4 12/10/23 23:42 • (MSD) R4011376-5 12/11/23 00:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Benzene	0.0500	0.00384	0.0424	0.0427	77.1	77.7	1	10.0-160			0.705	21
Toluene	0.0500	U	0.0400	0.0393	80.0	78.6	1	12.0-148			1.77	21
Ethylbenzene	0.0500	U	0.0403	0.0403	80.6	80.6	1	22.0-149			0.000	21
Total Xylene	0.150	U	0.123	0.125	82.0	83.3	1	13.0-155			1.61	21
(S) a,a,a-Trifluorotoluene(FID)					96.1	95.8		78.0-120				
(S) a,a,a-Trifluorotoluene(PID)					103	101		79.0-125				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO [L1684911-01,02,03,44,45,46](#)

Method Blank (MB)

(MB) R4010951-2 12/10/23 22:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0973	⬇	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	91.0			77.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4010951-1 12/10/23 21:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.24	113	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			101	77.0-120	

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1684911-04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19](#)

Method Blank (MB)

(MB) R4010663-2 12/11/23 01:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	97.3			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4010663-1 12/11/23 00:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.20	94.5	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			99.7	77.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1684911-24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43](#)

Method Blank (MB)

(MB) R4010937-3 12/11/23 02:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	96.5			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4010937-2 12/11/23 01:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.94	108	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			106	77.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO [L1684911-20,21,22,23](#)

Method Blank (MB)

(MB) R4011201-2 12/11/23 14:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	97.8			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4011201-1 12/11/23 13:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.95	108	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			102	77.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 [L1684911-47](#)

Method Blank (MB)

(MB) R4010311-1 12/08/23 01:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	0.0723	⬇	0.0247	0.100
(S) o-Terphenyl	88.5			31.0-160

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4010311-2 12/08/23 01:28 • (LCSD) R4010311-3 12/08/23 01:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.62	1.65	108	110	50.0-150			1.83	20
(S) o-Terphenyl				92.5	97.0	31.0-160				

Semi-Volatile Organic Compounds (GC) by Method 8015 [L1684911-01](#)

Method Blank (MB)

(MB) R4009545-1 12/07/23 10:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) High Fraction	U		0.769	4.00
(S) o-Terphenyl	55.7			18.0-148

¹Cp

²Tc

³Ss

Method Blank (MB)

(MB) R4009512-1 12/07/23 10:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) High Fraction	U		0.769	4.00
(S) o-Terphenyl	61.9			18.0-148

⁴Cn

⁵Sr

⁶Qc

Method Blank (MB)

(MB) R4009512-2 12/07/23 11:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) High Fraction	U		0.769	4.00
(S) o-Terphenyl	72.8			18.0-148

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4009545-2 12/07/23 10:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	35.0	70.0	50.0-150	
(S) o-Terphenyl			60.2	18.0-148	

L1684843-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1684843-29 12/07/23 11:53 • (MS) R4009545-3 12/07/23 12:06 • (MSD) R4009545-4 12/07/23 12:19

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	56.9	31.0	58.9	58.0	49.0	47.8	1	50.0-150	J6	J6	1.59	20
(S) o-Terphenyl					55.8	58.7		18.0-148				

Semi-Volatile Organic Compounds (GC) by Method 8015 [L1684911-02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20,21](#)

Method Blank (MB)

(MB) R4009594-1 12/07/23 12:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) High Fraction	U		0.769	4.00
(S) o-Terphenyl	54.5			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4009594-2 12/07/23 13:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	32.5	65.0	50.0-150	
(S) o-Terphenyl			42.2	18.0-148	

L1684911-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1684911-19 12/07/23 14:24 • (MS) R4009594-3 12/07/23 14:36 • (MSD) R4009594-4 12/07/23 14:48

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	53.3	1.61	10.7	13.6	17.1	22.4	1	50.0-150	J6	J3 J6	23.8	20
(S) o-Terphenyl					20.0	24.5		18.0-148				

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Semi-Volatile Organic Compounds (GC) by Method 8015 [L1684911-22](#)

Method Blank (MB)

(MB) R4009653-1 12/07/23 17:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) High Fraction	U		0.769	4.00
(S) o-Terphenyl	66.8			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4009653-2 12/07/23 18:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	37.2	74.4	50.0-150	
(S) o-Terphenyl			67.3	18.0-148	

L1684952-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1684952-05 12/07/23 21:40 • (MS) R4009653-3 12/07/23 21:53 • (MSD) R4009653-4 12/07/23 22:06

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	58.0	4.55	41.4	45.1	63.5	70.3	1	50.0-150			8.50	20
(S) o-Terphenyl					50.2	47.1		18.0-148				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

[L1684911-23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39](#)

Method Blank (MB)

(MB) R4009797-1 12/08/23 00:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) High Fraction	U		0.769	4.00
(S) o-Terphenyl	50.5			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4009797-2 12/08/23 00:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	29.7	59.4	50.0-150	
(S) o-Terphenyl			55.3	18.0-148	

L1684911-39 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1684911-39 12/08/23 06:11 • (MS) R4009797-3 12/08/23 06:24 • (MSD) R4009797-4 12/08/23 06:41

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	58.8	1.08	25.4	10.6	43.2	18.1	1	50.0-150	J6	J3 J6	82.1	20
(S) o-Terphenyl					33.8	15.3		18.0-148		J2		

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Method Blank (MB)

(MB) R4010030-1 12/08/23 09:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) High Fraction	U		0.769	4.00
(S) o-Terphenyl	48.5			18.0-148

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4010030-2 12/08/23 09:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	27.5	55.0	50.0-150	
(S) o-Terphenyl			47.0	18.0-148	

L1685038-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1685038-01 12/08/23 09:59 • (MS) R4010030-3 12/08/23 10:12 • (MSD) R4010030-4 12/08/23 10:25

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	67.7	U	42.1	39.5	62.2	58.4	1	50.0-150			6.30	20
(S) o-Terphenyl					50.6	46.4		18.0-148				

Semi-Volatile Organic Compounds (GC) by Method 8015 [L1684911-40](#)

Method Blank (MB)

(MB) R4010164-1 12/08/23 13:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) High Fraction	U		0.769	4.00
(S) o-Terphenyl	44.6			18.0-148

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4010164-2 12/08/23 13:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	30.8	61.6	50.0-150	
(S) o-Terphenyl			43.4	18.0-148	

L1684945-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1684945-08 12/08/23 14:31 • (MS) R4010164-3 12/08/23 14:43 • (MSD) R4010164-4 12/08/23 14:55

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	50.0	6.86	37.8	40.5	61.9	67.3	1	50.0-150			6.90	20
(S) o-Terphenyl					35.4	36.0		18.0-148				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Released to Imaging: 1/31/2025 3:48:55 PM

Arcadis - Chevron - NM

1004 N Big Spring Street
Suite 121
Midland, TX 79701

Report to:

Sarah Johnson

Project Description:
WTU 622City/State
Collected: Hobbs NMPlease Circle:
PT MT CT ET

Phone: 432-227-0266

Client Project #
30195192Lab Project #
CHEVARCNM-WTU622

Collected by (print):

Site/Facility ID #
WTU 622

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

☐ Same Day ☐ Five Day
☐ Next Day ☐ 5 Day (Rad Only)
☐ Two Day ☐ 10 Day (Rad Only)
☐ Three Day

Quote #

Date Results Needed

Standard

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

SB-34-S-2-2.5-05122023	G	SS	2-2.5	12/05/23	0832	2
SB-34-S-4-4.5-05122023	G	SS	4-4.5	12/05/23	0836	2
SB-33-S-0-0.5-05122023	G	SS	0-0.5	12/05/23	0837	2
SB-33-S-2-2.5-05122023	G	SS	2-2.5	12/05/23	0839	2
SB-33-S-4-4.5-05122023	G	SS	4-4.5	12/05/23	0842	2
SB-32-S-0-0.5-05122023	G	SS	0-0.5	12/05/23	0844	2
SB-32-S-2-2.5-05122023	G	SS	2-2.5	12/05/23	0846	2
SB-32-S-4-4.5-05122023	G	SS	4-4.5	12/05/23	0855	2
SB-36-S-0-0.5-05122023	G	SS	0-0.5	12/05/23	0932	2
SB-36-S-2-2.5-05122023	G	SS	2-2.5	12/05/23	0936	2

* Matrix:

SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact: ☒ NP ☐ N
COC Signed/Accurate: ☒ Y ☐ N
Bottles arrive intact: ☒ Y ☐ N
Correct bottles used: ☒ Y ☐ N
Sufficient volume sent: ☒ Y ☐ N
If Applicable
VOA Zero Headspace: ☒ Y ☐ N
Preservation Correct/Checked: ☒ Y ☐ N
RAD Screen <0.5 mR/hr: ☒ Y ☐ N

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes / No

HCL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp 44.8 °C Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

Hold:

Condition:

NCF / OK

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody
constitutes acknowledgment and acceptance of the
Pace Terms and Conditions found at:
<https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>

Sample # (lab only)	
---------------------	--

100

NCF / OK



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at:
<https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>

SDG #

Table #

Acctnum: CHEVARCNM

Template: T242769

Prelogin: P1041344

PM: 526 - Chris McCord

PB:

Shipped Via:

Remarks

Sample # (lab only)

Received by: CDD 10/1/2024 9:08:00 AM

1004 N Big Spring Street
Suite 121
Midland, TX 79701

Report to:

Sarah Johnson

Project Description:
WTU 622

City/State
Collected:

Hobbs NM

Please Circle:
PT MT CT ET

Phone: 432-227-0266

Client Project #
30195192

Lab Project #
CHEVARCNM-WTU622

Collected by (print):

Site/Facility ID #
WTU 622

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

☐ Same Day ☐ Five Day
☐ Next Day ☐ 5 Day (Rad Only)
☐ Two Day ☐ 10 Day (Rad Only)
☐ Three Day

Quote #

Date Results Needed

Standard

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs
SB-38-5-8-8.5-05122023	G	SS	8-8.5	12/05/23	1314	2
SB-35-5-0-0.5-05122023	G	SS		12/05/23	1142	2
SB-35-5-2-2.5-05122023	G	SS		12/05/23	1147	2
SB-35-5-4-4.5-05122023	G	SS		12/05/23	1151	2
SB-35-5-6-6.5-05122023	G	SS		12/05/23	1334	2
SB-35-5-8-8.5-05122023	G	SS		12/05/23	1345	2
TMW-1-W-04122023	G	SS GW		12/04/23	1105	6
		SS				
		SS				
		SS				

BTXGRO 40mlAmb-HCl

CHLORIDE-300 4ozClr-NoPres

DROLVI 40mlAmb-HCl-BT

GRO,DRO 4ozClr-NoPres

TDS 1L-HDPE NoPres

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact: ☒ NP ☐ N
 COC Signed/Accurate: ☒ Y ☐ N
 Bottles arrive intact: ☒ Y ☐ N
 Correct bottles used: ☒ Y ☐ N
 Sufficient volume sent: ☒ Y ☐ N
 If Applicable
 VOA Zero Headspace: ☒ Y ☐ N
 Preservation Correct/Checked: ☒ Y ☐ N
 RAD Screen <0.5 mR/hr: ☒ Y ☐ N

Relinquished by: (Signature)

Date:

12/05/23

Time:

1500

Received by: (Signature)

Trip Blank Received: Yes / No

HCL / MeOH

TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp 64.8 °C

Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

12/6/23

Time:

800

Hold:

Condition:

NCF / OK



ANALYTICAL REPORT

January 17, 2024

Arcadis - Chevron - NM

Sample Delivery Group: L1694984
Samples Received: 12/06/2023
Project Number: 30195192
Description: WTU 622
Site: WTU 622
Report To: Sarah Johnson
1004 N Big Spring Street
Suite 121
Midland, TX 79701

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chris McCord".

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SB-26-S-0-0.5-04122023 L1694984-01 Solid

Collected by Sarah Nolen
Collected date/time 12/04/23 13:55
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205563	1	12/07/23 04:18	12/07/23 14:42	KAP	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

SB-26-S-2-2.5-04122023 L1694984-02 Solid

Collected by Sarah Nolen
Collected date/time 12/04/23 14:00
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205283	1	12/07/23 07:12	12/07/23 12:58	KAP	Mt. Juliet, TN

SB-26-S-4-4.5-04122023 L1694984-03 Solid

Collected by Sarah Nolen
Collected date/time 12/04/23 14:05
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205283	1	12/07/23 07:12	12/07/23 13:10	KAP	Mt. Juliet, TN

SB-25-S-0-0.5-04122023 L1694984-04 Solid

Collected by Sarah Nolen
Collected date/time 12/04/23 14:08
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205283	1	12/07/23 07:12	12/07/23 15:01	KAP	Mt. Juliet, TN

SB-25-S-2-2.5-04122023 L1694984-05 Solid

Collected by Sarah Nolen
Collected date/time 12/04/23 14:13
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205650	1	12/07/23 07:12	12/07/23 13:34	JAS	Mt. Juliet, TN

SB-25-S-4-4.5-04122023 L1694984-06 Solid

Collected by Sarah Nolen
Collected date/time 12/04/23 14:17
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205283	1	12/07/23 07:12	12/07/23 13:34	KAP	Mt. Juliet, TN

SB-27-S-0-0.5-04122023 L1694984-07 Solid

Collected by Sarah Nolen
Collected date/time 12/04/23 14:23
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205650	1	12/07/23 07:12	12/07/23 15:01	JAS	Mt. Juliet, TN

SB-27-S-2-2.5-04122023 L1694984-08 Solid

Collected by Sarah Nolen
Collected date/time 12/04/23 14:21
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184611	1	12/08/23 07:44	12/08/23 07:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205283	1	12/07/23 07:12	12/07/23 14:36	KAP	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

SB-27-S-4-4.5-04122023 L1694984-09 Solid

Collected by Sarah Nolen
Collected date/time 12/04/23 14:35
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205650	1	12/07/23 07:12	12/07/23 14:11	JAS	Mt. Juliet, TN

SB-34-S-0-0.5-04122023 L1694984-10 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 08:29
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205283	1	12/07/23 07:12	12/07/23 14:48	KAP	Mt. Juliet, TN

SB-34-S-2-2.5-04122023 L1694984-11 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 08:32
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205650	1	12/07/23 07:12	12/07/23 13:47	JAS	Mt. Juliet, TN

SB-34-S-4-4.5-04122023 L1694984-12 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 08:36
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205283	1	12/07/23 07:12	12/07/23 13:47	KAP	Mt. Juliet, TN

SB-33-S-0-0.5-04122023 L1694984-13 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 08:37
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205650	1	12/07/23 07:12	12/07/23 13:59	JAS	Mt. Juliet, TN

SB-33-S-2-2.5-04122023 L1694984-14 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 08:39
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205283	1	12/07/23 07:12	12/07/23 13:59	KAP	Mt. Juliet, TN

SB-33-S-4-4.5-04122023 L1694984-15 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 08:42
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205283	1	12/07/23 07:12	12/07/23 14:24	KAP	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

SB-32-S-0-0.5-04122023 L1694984-16 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 08:44
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205650	1	12/07/23 07:12	12/07/23 15:13	JAS	Mt. Juliet, TN

SB-32-S-2-2.5-04122023 L1694984-17 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 08:46
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205283	1	12/07/23 07:12	12/07/23 14:11	KAP	Mt. Juliet, TN

SB-32-S-4-4.5-04122023 L1694984-18 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 08:55
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184612	1	12/08/23 07:52	12/08/23 07:58	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205650	1	12/07/23 07:12	12/07/23 13:22	JAS	Mt. Juliet, TN

SB-36-S-0-0.5-04122023 L1694984-19 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 09:32
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205650	1	12/07/23 07:12	12/07/23 14:24	JAS	Mt. Juliet, TN

SB-36-S-2-2.5-04122023 L1694984-20 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 09:36
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205283	1	12/07/23 07:12	12/07/23 15:13	KAP	Mt. Juliet, TN

SB-36-S-4-4.5-04122023 L1694984-21 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 09:40
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205283	1	12/07/23 07:12	12/07/23 13:22	KAP	Mt. Juliet, TN

SB-31-S-0-0.5-04122023 L1694984-22 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 09:47
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2184903	1	12/07/23 14:53	12/07/23 19:16	KAP	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

SB-31-S-2-2.5-04122023 L1694984-23 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 09:50
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 02:48	JAS	Mt. Juliet, TN

SB-31-S-4-4.5-04122023 L1694984-24 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 09:55
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 03:01	JAS	Mt. Juliet, TN

SB-31-S-6-6.5-04122023 L1694984-25 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 11:57
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 03:15	JAS	Mt. Juliet, TN

SB-31-S-8-8.5-04122023 L1694984-26 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 12:00
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 03:29	JAS	Mt. Juliet, TN

SB-30-S-0-0.5-04122023 L1694984-27 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 11:07
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 07:13	JAS	Mt. Juliet, TN

SB-30-S-2-2.5-04122023 L1694984-28 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 11:10
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184613	1	12/07/23 18:11	12/07/23 18:20	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 03:43	JAS	Mt. Juliet, TN

SB-30-S-4-4.5-04122023 L1694984-29 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 11:12
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 03:57	JAS	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

SB-30-S-6-6.5-04122023 L1694984-30 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 12:27
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 04:11	JAS	Mt. Juliet, TN

SB-30-S-8-8.5-04122023 L1694984-31 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 12:30
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 04:24	JAS	Mt. Juliet, TN

SB-29-S-0-0.5-04122023 L1694984-32 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 11:15
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 06:57	JAS	Mt. Juliet, TN

SB-29-S-2-2.5-04122023 L1694984-33 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 11:22
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 04:38	JAS	Mt. Juliet, TN

SB-29-S-4-4.5-04122023 L1694984-34 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 11:27
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 04:54	JAS	Mt. Juliet, TN

SB-29-S-6-6.5-04122023 L1694984-35 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 12:57
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 05:11	JAS	Mt. Juliet, TN

SB-29-S-8-8.5-04122023 L1694984-36 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 12:59
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 05:27	JAS	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

SB-28-S-0-0.5-04122023 L1694984-37 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 11:30
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 05:41	JAS	Mt. Juliet, TN

SB-28-S-2-2.5-04122023 L1694984-38 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 11:32
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184614	1	12/07/23 18:22	12/07/23 18:33	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 05:57	JAS	Mt. Juliet, TN

SB-28-S-4-4.5-04122023 L1694984-39 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 11:37
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205587	1	12/07/23 17:55	12/08/23 06:11	JAS	Mt. Juliet, TN

SB-28-S-6-6.5-04122023 L1694984-40 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 13:02
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2185410	1	12/08/23 06:24	12/08/23 15:20	KAP	Mt. Juliet, TN

SB-28-S-8-8.5-04122023 L1694984-41 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 13:14
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205572	1	12/07/23 18:00	12/08/23 12:23	KAP	Mt. Juliet, TN

SB-35-S-0-0.5-04122023 L1694984-42 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 11:42
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205572	10	12/07/23 18:00	12/08/23 15:52	KAP	Mt. Juliet, TN

SB-35-S-2-2.5-04122023 L1694984-43 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 11:47
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205572	5	12/07/23 18:00	12/08/23 16:19	KAP	Mt. Juliet, TN

¹Cp

²Tc

³Ss

SB-35-S-4-4.5-04122023 L1694984-44 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 11:51
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205572	1	12/07/23 18:00	12/08/23 12:49	KAP	Mt. Juliet, TN

⁴Cn

⁵Sr

⁶Qc

SB-35-S-6-6.5-04122023 L1694984-45 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 13:34
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205572	1	12/07/23 18:00	12/08/23 16:06	KAP	Mt. Juliet, TN

⁷Gl

⁸Al

⁹Sc

SB-35-S-8-8.5-04122023 L1694984-46 Solid

Collected by Sarah Nolen
Collected date/time 12/05/23 13:45
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2184615	1	12/07/23 18:35	12/07/23 18:49	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2205572	1	12/07/23 18:00	12/08/23 12:10	KAP	Mt. Juliet, TN

TMW-1-W-04122023 L1694984-47 GW

Collected by Sarah Nolen
Collected date/time 12/04/23 11:05
Received date/time 12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2184373	1	12/07/23 07:41	12/08/23 15:27	DMG	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.5		1	12/08/2023 07:49	WG2184611

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.72	4.28	1	12/07/2023 14:42	WG2205563
C28-C36 Motor Oil Range	9.30		0.293	4.28	1	12/07/2023 14:42	WG2205563
(S) o-Terphenyl	41.6			18.0-148		12/07/2023 14:42	WG2205563

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.4		1	12/08/2023 07:49	WG2184611

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.80	4.47	1	12/07/2023 12:58	WG2205283
C28-C36 Motor Oil Range	0.977	J	0.306	4.47	1	12/07/2023 12:58	WG2205283
(S) o-Terphenyl	46.7			18.0-148		12/07/2023 12:58	WG2205283

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.7		1	12/08/2023 07:49	WG2184611

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.79	4.46	1	12/07/2023 13:10	WG2205283
C28-C36 Motor Oil Range	2.57	J	0.305	4.46	1	12/07/2023 13:10	WG2205283
(S) o-Terphenyl	29.6			18.0-148		12/07/2023 13:10	WG2205283

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.9		1	12/08/2023 07:49	WG2184611

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	3.10	J	1.71	4.26	1	12/07/2023 15:01	WG2205283
C28-C36 Motor Oil Range	20.7		0.292	4.26	1	12/07/2023 15:01	WG2205283
(S) o-Terphenyl	61.0			18.0-148		12/07/2023 15:01	WG2205283

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.3		1	12/08/2023 07:49	WG2184611

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.91	4.75	1	12/07/2023 13:34	WG2205650
C28-C36 Motor Oil Range	3.11	J	0.325	4.75	1	12/07/2023 13:34	WG2205650
(S) o-Terphenyl	31.2			18.0-148		12/07/2023 13:34	WG2205650

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.2		1	12/08/2023 07:49	WG2184611

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.78	4.43	1	12/07/2023 13:34	WG2205283
C28-C36 Motor Oil Range	0.754	<u>J</u>	0.304	4.43	1	12/07/2023 13:34	WG2205283
(S) o-Terphenyl	49.8			18.0-148		12/07/2023 13:34	WG2205283

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.1		1	12/08/2023 07:49	WG2184611

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	5.73		1.69	4.21	1	12/07/2023 15:01	WG2205650
C28-C36 Motor Oil Range	30.6		0.288	4.21	1	12/07/2023 15:01	WG2205650
(S) o-Terphenyl	35.1			18.0-148		12/07/2023 15:01	WG2205650

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.0		1	12/08/2023 07:49	WG2184611

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	2.66	<u>J</u>	1.77	4.40	1	12/07/2023 14:36	WG2205283
C28-C36 Motor Oil Range	15.3		0.301	4.40	1	12/07/2023 14:36	WG2205283
(S) o-Terphenyl	53.2			18.0-148		12/07/2023 14:36	WG2205283

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	12/08/2023 07:58	WG2184612

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.81	4.51	1	12/07/2023 14:11	WG2205650
C28-C36 Motor Oil Range	2.89	J	0.309	4.51	1	12/07/2023 14:11	WG2205650
(S) o-Terphenyl	32.4			18.0-148		12/07/2023 14:11	WG2205650

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.8		1	12/08/2023 07:58	WG2184612

1
Cp

2
Tc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	1.86	J	1.70	4.22	1	12/07/2023 14:48	WG2205283
C28-C36 Motor Oil Range	12.7		0.289	4.22	1	12/07/2023 14:48	WG2205283
(S) o-Terphenyl	49.7			18.0-148		12/07/2023 14:48	WG2205283

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.6		1	12/08/2023 07:58	WG2184612

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.82	4.51	1	12/07/2023 13:47	WG2205650
C28-C36 Motor Oil Range	4.60		0.309	4.51	1	12/07/2023 13:47	WG2205650
(S) o-Terphenyl	28.0			18.0-148		12/07/2023 13:47	WG2205650

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.0		1	12/08/2023 07:58	WG2184612

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.89	4.71	1	12/07/2023 13:47	WG2205283
C28-C36 Motor Oil Range	1.94	<u>J</u>	0.322	4.71	1	12/07/2023 13:47	WG2205283
(S) o-Terphenyl	46.2			18.0-148		12/07/2023 13:47	WG2205283

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	12/08/2023 07:58	WG2184612

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.78	4.43	1	12/07/2023 13:59	WG2205650
C28-C36 Motor Oil Range	7.73		0.303	4.43	1	12/07/2023 13:59	WG2205650
(S) o-Terphenyl	34.3			18.0-148		12/07/2023 13:59	WG2205650

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.6		1	12/08/2023 07:58	WG2184612

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.82	4.51	1	12/07/2023 13:59	WG2205283
C28-C36 Motor Oil Range	0.880	<u>J</u>	0.309	4.51	1	12/07/2023 13:59	WG2205283
(S) o-Terphenyl	46.3			18.0-148		12/07/2023 13:59	WG2205283

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.9		1	12/08/2023 07:58	WG2184612

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	1.71	J	1.70	4.21	1	12/07/2023 14:24	WG2205283
C28-C36 Motor Oil Range	12.6		0.289	4.21	1	12/07/2023 14:24	WG2205283
(S) o-Terphenyl	55.2			18.0-148		12/07/2023 14:24	WG2205283

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.9		1	12/08/2023 07:58	WG2184612

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.70	4.22	1	12/07/2023 15:13	WG2205650
C28-C36 Motor Oil Range	7.55		0.289	4.22	1	12/07/2023 15:13	WG2205650
(S) o-Terphenyl	25.8			18.0-148		12/07/2023 15:13	WG2205650

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.1		1	12/08/2023 07:58	WG2184612

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.77	4.39	1	12/07/2023 14:11	WG2205283
C28-C36 Motor Oil Range	2.68	<u>J</u>	0.301	4.39	1	12/07/2023 14:11	WG2205283
(S) o-Terphenyl	46.5			18.0-148		12/07/2023 14:11	WG2205283

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.6		1	12/08/2023 07:58	WG2184612

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.78	4.41	1	12/07/2023 13:22	WG2205650
C28-C36 Motor Oil Range	0.855	J	0.302	4.41	1	12/07/2023 13:22	WG2205650
(S) o-Terphenyl	42.4			18.0-148		12/07/2023 13:22	WG2205650

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.9		1	12/07/2023 18:20	WG2184613

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U	J3 J6	1.75	4.35	1	12/07/2023 14:24	WG2205650
C28-C36 Motor Oil Range	8.13		0.298	4.35	1	12/07/2023 14:24	WG2205650
(S) o-Terphenyl	33.3			18.0-148		12/07/2023 14:24	WG2205650

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.2		1	12/07/2023 18:20	WG2184613

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.80	4.48	1	12/07/2023 15:13	WG2205283
C28-C36 Motor Oil Range	2.47	J	0.307	4.48	1	12/07/2023 15:13	WG2205283
(S) o-Terphenyl	40.3			18.0-148		12/07/2023 15:13	WG2205283

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.9		1	12/07/2023 18:20	WG2184613

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.70	4.21	1	12/07/2023 13:22	WG2205283
C28-C36 Motor Oil Range	0.837	J	0.289	4.21	1	12/07/2023 13:22	WG2205283
(S) o-Terphenyl	50.6			18.0-148		12/07/2023 13:22	WG2205283

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.4		1	12/07/2023 18:20	WG2184613

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	6.68		1.67	4.15	1	12/07/2023 19:16	WG2184903
C28-C36 Motor Oil Range	35.5		0.284	4.15	1	12/07/2023 19:16	WG2184903
(S) o-Terphenyl	38.1			18.0-148		12/07/2023 19:16	WG2184903

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.6		1	12/07/2023 18:20	WG2184613

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.80	4.46	1	12/08/2023 02:48	WG2205587
C28-C36 Motor Oil Range	7.20		0.306	4.46	1	12/08/2023 02:48	WG2205587
(S) o-Terphenyl	46.8			18.0-148		12/08/2023 02:48	WG2205587

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	12/07/2023 18:20	WG2184613

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.83	4.54	1	12/08/2023 03:01	WG2205587
C28-C36 Motor Oil Range	2.61	B J	0.311	4.54	1	12/08/2023 03:01	WG2205587
(S) o-Terphenyl	40.3			18.0-148		12/08/2023 03:01	WG2205587

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.5		1	12/07/2023 18:20	WG2184613

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.72	4.28	1	12/08/2023 03:15	WG2205587
C28-C36 Motor Oil Range	0.749	B J	0.293	4.28	1	12/08/2023 03:15	WG2205587
(S) o-Terphenyl	42.8			18.0-148		12/08/2023 03:15	WG2205587

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.1		1	12/07/2023 18:20	WG2184613

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.87	4.64	1	12/08/2023 03:29	WG2205587
C28-C36 Motor Oil Range	1.04	B J	0.318	4.64	1	12/08/2023 03:29	WG2205587
(S) o-Terphenyl	40.5			18.0-148		12/08/2023 03:29	WG2205587

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.5		1	12/07/2023 18:20	WG2184613

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4.66		1.72	4.28	1	12/08/2023 07:13	WG2205587
C28-C36 Motor Oil Range	24.5		0.293	4.28	1	12/08/2023 07:13	WG2205587
(S) o-Terphenyl	36.3			18.0-148		12/08/2023 07:13	WG2205587

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.3		1	12/07/2023 18:20	WG2184613

¹ Cp

² Tc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.91	4.74	1	12/08/2023 03:43	WG2205587
C28-C36 Motor Oil Range	3.96	B J	0.325	4.74	1	12/08/2023 03:43	WG2205587
(S) o-Terphenyl	41.2			18.0-148		12/08/2023 03:43	WG2205587

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.9		1	12/07/2023 18:33	WG2184614

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.79	4.45	1	12/08/2023 03:57	WG2205587
C28-C36 Motor Oil Range	2.67	B J	0.305	4.45	1	12/08/2023 03:57	WG2205587
(S) o-Terphenyl	35.3			18.0-148		12/08/2023 03:57	WG2205587

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.3		1	12/07/2023 18:33	WG2184614

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.76	4.38	1	12/08/2023 04:11	WG2205587
C28-C36 Motor Oil Range	1.17	B J	0.300	4.38	1	12/08/2023 04:11	WG2205587
(S) o-Terphenyl	38.3			18.0-148		12/08/2023 04:11	WG2205587

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	12/07/2023 18:33	WG2184614

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.79	4.44	1	12/08/2023 04:24	WG2205587
C28-C36 Motor Oil Range	U		0.304	4.44	1	12/08/2023 04:24	WG2205587
(S) o-Terphenyl	35.6			18.0-148		12/08/2023 04:24	WG2205587

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.1		1	12/07/2023 18:33	WG2184614

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.66	4.12	1	12/08/2023 06:57	WG2205587
C28-C36 Motor Oil Range	10.6		0.282	4.12	1	12/08/2023 06:57	WG2205587
(S) o-Terphenyl	42.4			18.0-148		12/08/2023 06:57	WG2205587

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.2		1	12/07/2023 18:33	WG2184614

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.80	4.48	1	12/08/2023 04:38	WG2205587
C28-C36 Motor Oil Range	6.08		0.307	4.48	1	12/08/2023 04:38	WG2205587
(S) o-Terphenyl	44.2			18.0-148		12/08/2023 04:38	WG2205587

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.0		1	12/07/2023 18:33	WG2184614

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.99	4.94	1	12/08/2023 04:54	WG2205587
C28-C36 Motor Oil Range	1.97	B J	0.338	4.94	1	12/08/2023 04:54	WG2205587
(S) o-Terphenyl	39.6			18.0-148		12/08/2023 04:54	WG2205587

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.9		1	12/07/2023 18:33	WG2184614

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.73	4.31	1	12/08/2023 05:11	WG2205587
C28-C36 Motor Oil Range	1.98	B J	0.295	4.31	1	12/08/2023 05:11	WG2205587
(S) o-Terphenyl	39.8			18.0-148		12/08/2023 05:11	WG2205587

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

SB-2938-8-504122023

Collected date/time: 12/05/23 12:59

L1694984

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.4		1	12/07/2023 18:33	WG2184614

¹ Cp

² Tc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.76	4.38	1	12/08/2023 05:27	WG2205587
C28-C36 Motor Oil Range	0.370	B J	0.300	4.38	1	12/08/2023 05:27	WG2205587
(S) o-Terphenyl	41.2			18.0-148		12/08/2023 05:27	WG2205587

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.2		1	12/07/2023 18:33	WG2184614

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	5.20		1.69	4.20	1	12/08/2023 05:41	WG2205587
C28-C36 Motor Oil Range	19.1		0.288	4.20	1	12/08/2023 05:41	WG2205587
(S) o-Terphenyl	32.1			18.0-148		12/08/2023 05:41	WG2205587

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.8		1	12/07/2023 18:33	WG2184614

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.92	4.77	1	12/08/2023 05:57	WG2205587
C28-C36 Motor Oil Range	4.57	J	0.327	4.77	1	12/08/2023 05:57	WG2205587
(S) o-Terphenyl	43.0			18.0-148		12/08/2023 05:57	WG2205587

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

SB-28-3-4-4.5-04122023

Collected date/time: 12/05/23 11:37

L1694984

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.1		1	12/07/2023 18:49	WG2184615

¹ Cp

² Tc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U	J3 J6	1.89	4.70	1	12/08/2023 06:11	WG2205587
C28-C36 Motor Oil Range	1.40	B J	0.322	4.70	1	12/08/2023 06:11	WG2205587
(S) o-Terphenyl	35.7			18.0-148		12/08/2023 06:11	WG2205587

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	12/07/2023 18:49	WG2184615

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	18.4		1.79	4.46	1	12/08/2023 15:20	WG2185410
C28-C36 Motor Oil Range	0.631	J	0.305	4.46	1	12/08/2023 15:20	WG2185410
(S) o-Terphenyl	35.5			18.0-148		12/08/2023 15:20	WG2185410

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.7		1	12/07/2023 18:49	WG2184615

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.84	4.56	1	12/08/2023 12:23	WG2205572
C28-C36 Motor Oil Range	0.581	J	0.312	4.56	1	12/08/2023 12:23	WG2205572
(S) o-Terphenyl	34.6			18.0-148		12/08/2023 12:23	WG2205572

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.4		1	12/07/2023 18:49	WG2184615

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	94.5		18.6	46.3	10	12/08/2023 15:52	WG2205572
C28-C36 Motor Oil Range	322		3.17	46.3	10	12/08/2023 15:52	WG2205572
(S) o-Terphenyl	39.6			18.0-148		12/08/2023 15:52	WG2205572

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.7		1	12/07/2023 18:49	WG2184615

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	85.0		9.39	23.3	5	12/08/2023 16:19	WG2205572
C28-C36 Motor Oil Range	260		1.60	23.3	5	12/08/2023 16:19	WG2205572
(S) o-Terphenyl	44.6			18.0-148		12/08/2023 16:19	WG2205572

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.5		1	12/07/2023 18:49	WG2184615

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	2.60	J	2.16	5.37	1	12/08/2023 12:49	WG2205572
C28-C36 Motor Oil Range	6.30		0.368	5.37	1	12/08/2023 12:49	WG2205572
(S) o-Terphenyl	26.1			18.0-148		12/08/2023 12:49	WG2205572

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.9		1	12/07/2023 18:49	WG2184615

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	12.7		1.79	4.45	1	12/08/2023 16:06	WG2205572
C28-C36 Motor Oil Range	29.3		0.305	4.45	1	12/08/2023 16:06	WG2205572
(S) o-Terphenyl	42.0			18.0-148		12/08/2023 16:06	WG2205572

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	70.6		1	12/07/2023 18:49	WG2184615

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		2.28	5.66	1	12/08/2023 12:10	WG2205572
C28-C36 Motor Oil Range	U		0.388	5.66	1	12/08/2023 12:10	WG2205572
(S) o-Terphenyl	49.5			18.0-148		12/08/2023 12:10	WG2205572

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	0.429	B	0.0222	0.100	1	12/08/2023 15:27	WG2184373
C28-C36 Motor Oil Range	0.174	B	0.0118	0.100	1	12/08/2023 15:27	WG2184373
(S) o-Terphenyl	95.3			52.0-156		12/08/2023 15:27	WG2184373

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011 [L1694984-01,02,03,04,05,06,07,08](#)

Method Blank (MB)

(MB) R4010657-1 12/08/23 07:49

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00700	⬇		

¹Cp

²Tc

³Ss

L1684911-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1684911-02 12/08/23 07:49 • (DUP) R4010657-3 12/08/23 07:49

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	89.4	89.4	1	0.00783		10

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R4010657-2 12/08/23 07:49

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	99.9	90.0-110	

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011 [L1694984-09,10,11,12,13,14,15,16,17,18](#)

Method Blank (MB)

(MB) R4010665-1 12/08/23 07:58

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00200			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1684911-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1684911-13 12/08/23 07:58 • (DUP) R4010665-3 12/08/23 07:58

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	90.3	90.0	1	0.347		10

Laboratory Control Sample (LCS)

(LCS) R4010665-2 12/08/23 07:58

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	50.0	99.9	90.0-110	

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011 [L1694984-19,20,21,22,23,24,25,26,27,28](#)

Method Blank (MB)

(MB) R4009752-1 12/07/23 18:20

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00400			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1684911-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1684911-22 12/07/23 18:20 • (DUP) R4009752-3 12/07/23 18:20

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	96.4	96.2	1	0.223		10

Laboratory Control Sample (LCS)

(LCS) R4009752-2 12/07/23 18:20

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011 [L1694984-29,30,31,32,33,34,35,36,37,38](#)

Method Blank (MB)

(MB) R4009753-1 12/07/23 18:33

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00500	↓		

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1684911-32 Original Sample (OS) • Duplicate (DUP)

(OS) L1684911-32 12/07/23 18:33 • (DUP) R4009753-3 12/07/23 18:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	97.1	97.1	1	0.0243		10

Laboratory Control Sample (LCS)

(LCS) R4009753-2 12/07/23 18:33

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011 [L1694984-39,40,41,42,43,44,45,46](#)

Method Blank (MB)

(MB) R4009754-1 12/07/23 18:49

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00200			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1684911-42 Original Sample (OS) • Duplicate (DUP)

(OS) L1684911-42 12/07/23 18:49 • (DUP) R4009754-3 12/07/23 18:49

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	86.4	87.8	1	1.67		10

Laboratory Control Sample (LCS)

(LCS) R4009754-2 12/07/23 18:49

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	49.9	99.8	90.0-110	

⁷Gl

⁸Al

⁹Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M [L1694984-47](#)

Method Blank (MB)

(MB) R4010311-1 12/08/23 01:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
C10-C28 Diesel Range	0.0723	U	0.0222	0.100
C28-C36 Motor Oil Range	0.0213	U	0.0118	0.100
(S) o-Terphenyl	88.5			52.0-156

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4010311-2 12/08/23 01:28 • (LCSD) R4010311-3 12/08/23 01:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	1.50	1.62	1.65	108	110	50.0-150			1.83	20
(S) o-Terphenyl				92.5	97.0	52.0-156				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

L1694984-22

Method Blank (MB)

(MB) R4009653-1 12/07/23 17:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	66.8			18.0-148

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R4009653-2 12/07/23 18:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	37.2	74.4	50.0-150	
(S) o-Terphenyl			67.3	18.0-148	

L1684952-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1684952-05 12/07/23 21:40 • (MS) R4009653-3 12/07/23 21:53 • (MSD) R4009653-4 12/07/23 22:06

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	58.0	4.55	41.4	45.1	63.5	70.3	1	50.0-150			8.50	20
(S) o-Terphenyl					50.2	47.1		18.0-148				

Semi-Volatile Organic Compounds (GC) by Method 8015M [L1694984-40](#)

Method Blank (MB)

(MB) R4010164-1 12/08/23 13:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	44.6			18.0-148

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4010164-2 12/08/23 13:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	30.8	61.6	50.0-150	
(S) o-Terphenyl			43.4	18.0-148	

L1684945-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1684945-08 12/08/23 14:31 • (MS) R4010164-3 12/08/23 14:43 • (MSD) R4010164-4 12/08/23 14:55

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	54.8	7.52	41.5	44.4	61.9	67.3	1	50.0-150			6.90	20
(S) o-Terphenyl					35.4	36.0		18.0-148				

Semi-Volatile Organic Compounds (GC) by Method 8015M [L1694984-02,03,04,06,08,10,12,14,15,17,20,21](#)

Method Blank (MB)

(MB) R4022008-1 12/07/23 12:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	54.5			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4022008-2 12/07/23 13:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	32.5	65.0	50.0-150	
(S) o-Terphenyl			42.2	18.0-148	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M [L1694984-01](#)

Method Blank (MB)

(MB) R4022136-1 12/07/23 10:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	55.7			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4022136-2 12/07/23 10:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	35.0	70.0	50.0-150	
(S) o-Terphenyl			60.2	18.0-148	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M [L1694984-41,42,43,44,45,46](#)

Method Blank (MB)

(MB) R4022140-1 12/08/23 09:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	48.5			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4022140-2 12/08/23 09:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	27.5	55.0	50.0-150	
(S) o-Terphenyl			47.0	18.0-148	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

L1694984-23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39

Method Blank (MB)

(MB) R4022152-1 12/08/23 00:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	0.369	J	0.274	4.00
(S) o-Terphenyl	50.5			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4022152-2 12/08/23 00:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	29.7	59.4	50.0-150	
(S) o-Terphenyl			55.3	18.0-148	

L1694984-39 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694984-39 12/08/23 06:11 • (MS) R4022152-3 12/08/23 06:24 • (MSD) R4022152-4 12/08/23 06:41

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	58.8	U	25.4	10.6	43.2	18.1	1	50.0-150	J6	J3 J6	82.1	20
(S) o-Terphenyl					33.8	15.3		18.0-148		J2		

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

L1694984-05,07,09,11,13,16,18,19

Method Blank (MB)

(MB) R4022200-1 12/07/23 12:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	54.5			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4022200-2 12/07/23 13:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	32.5	65.0	50.0-150	
(S) o-Terphenyl			42.2	18.0-148	

L1694984-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694984-19 12/07/23 14:24 • (MS) R4022200-3 12/07/23 14:36 • (MSD) R4022200-4 12/07/23 14:48

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	53.3	U	10.7	13.6	20.1	25.4	1	50.0-150	J6	J3 J6	23.8	20
(S) o-Terphenyl					19.7	24.5		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Arcadis - Chevron - NM

1004 N Big Spring Street
Suite 121

Midland, TX 79701

Report to:

Sarah Johnson

Project Description:
WTU 622

Phone: 432-227-0266

Client Project #
30195192Lab Project #
CHEVARCNM-WTU622

Collected by (print):

Sarah Nolan

Site/Facility ID #
WTU 622

P.O. #

Collected by (signature):

Immediately
Packed on Ice: N ☐ Y ☒

Rush? (Lab MUST Be Notified)

Same Day ☐ Five Day ☐

Next Day ☐ 5 Day (Rad Only) ☐

Two Day ☐ 10 Day (Rad Only) ☐

Three Day ☐

Date Results Needed

Standard

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs
-----------	-----------	----------	-------	------	------	-------

SB-26-S-0-0.5-04122023	G	SS	0-0.5	12/04/23	1355	2
SB-26-S-2-2.5-04122023	G	SS	2-2.5	12/04/23	1400	2
SB-26-S-4-4.5-04122023	G	SS	4-4.5	12/04/23	1405	2
SB-25-S-0-0.5-04122023	G	SS	0-0.5	12/04/23	1408	2
SB-25-S-2-2.5-04122023	G	SS	2-2.5	12/04/23	1413	2
SB-25-S-4-4.5-04122023	G	SS	4-4.5	12/04/23	1417	2
SB-27-S-0-0.5-04122023	G	SS	0-0.5	12/04/23	1423	2
SB-27-S-2-2.5-04122023	G	SS	2-2.5	12/04/23	1421	2
SB-27-S-4-4.5-04122023	G	SS	4-4.5	12/04/23	1435	2
SB-34-S-0-0.5-05122023	G	SS	0-0.5	12/05/23	0829	2

* Matrix:

SS - Soil AIR - Air F - Filter

GW - Groundwater B - Bioassay

WW - WasteWater

DW - Drinking Water

OT - Other

Remarks:

0-0.5

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:

UPS ☐ FedEx ☐ Courier ☐

Tracking #

Relinquished by: (Signature)

Sarah Nolan

Date:

12/05/23

Time:

1500

Received by: (Signature)

Trip Blank Received: Yes ☐ No ☒

HCL / MeOH

TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp 22.8 °C Bottles Received: 92

Relinquished by: (Signature)

Date:

Time:

Christopher J. Gallain

Date: 12/6/23

Time: 0900

Hold:

Condition:
NCF / OKPres
Chk

Billing Information:

Accounts Payable

1004 N Big Spring Street

Suite 121

Midland, TX 79701

Email To:

sarah.johnson@arcadis.com;nadja.cintronfranq

City/State
Collected: Hobbs NMPlease Circle:
PT MT CT ET

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>

SDG #

F203

L1694984

Acctnum: CHEVARCNM

Template: T242769

Prelogin: P1041344

PM: 526 - Chris McCord

PB:

Shipped Via:

Remarks

Sample # (lab only)

Released to Imaging: 1/31/2025 3:48:55 PM

Arcadis - Chevron - NM

1004 N Big Spring Street
Suite 121
Midland, TX 79701

Report to:
Sarah Johnson

Project Description:
WTU 622

City/State
Collected: Hobbs NM

Please Circle:
PT MT CT ET

Phone: 432-227-0266

Client Project #
30195192

Lab Project #
CHEVARCNM-WTU622

Collected by (print):

Sarah Welen

Site/Facility ID #
WTU 622

P.O. #

Collected by (signature):

[Signature]

Rush? (Lab MUST Be Notified)

Same Day Five Day
Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
Three Day

Date Results Needed

Standard

No.
of
Cntrs

Sample ID Comp/Grab Matrix * Depth Date Time

SB-36-S-4-4.5-05122023	G	SS	4-4.5	12/05/23	0940	2
SB-31-S-0-0.5-05122023	G	SS	0-0.5	12/05/23	0947	2
SB-31-S-2-2.5-05122023	G	SS	2-2.5	12/05/23	0950	2
SB-31-S-4-4.5-05122023	G	SS	4-4.5	12/05/23	0955	2
SB-31-S-6-6.5-05122023	G	SS	6-6.5	12/05/23	1157	2
SB-31-S-8-8.5-05122023	G	SS	8-8.5	12/05/23	1200	2
SB-30-S-0-0.5-05122023	G	SS	0-0.5	12/05/23	1107	2
SB-30-S-2-2.5-05122023	G	SS	2-2.5	12/05/23	1110	2
SB-30-S-4-4.5-05122023	G	SS	4-4.5	12/05/23	1112	2
SB-30-S-6-6.5-05122023	G	SS	6-6.5	12/05/23	1227	2

* Matrix:

SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH Temp

Flow Other

Samples returned via:

UPS FedEx Courier

Tracking #

Relinquished by: (Signature)

Date:

Time:

12/05/23 1500

Received by: (Signature)

Trip Blank Received: Yes / No

HCL / MeOH

TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp 2.940 °C

Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

Hold:

Condition:
NCF / OK

Pres
Chk

BTEXGRO 40mlAmb-HCl

CHLORIDE-300 4ozClr-NoPres

DROLVI 40mlAmb-HCl-8T

GRO,DRO 4ozClr-NoPres

TDS 1L-HDPE NoPres

Chain of Custody



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody
constitutes acknowledgment and acceptance of the
Pace Terms and Conditions found at:
<https://info.pacelabs.com/huof/pas-standard-terms.pdf>

SDG #

Table #

Acctnum: CHEVARCNM

Template: T242769

Prelogin: P1041344

PM: 526 - Chris McCord

PB:

Shipped Via:

Remarks

Sample # (lab only)

Sample Receipt Checklist

COC Seal Present/Intact: NP Y N

COC Signed/Accurate: Y N

Bottles arrive intact: Y N

Correct bottles used: Y N

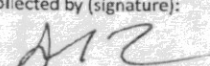
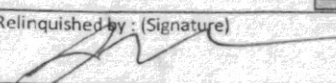
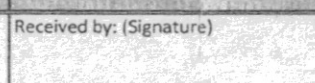
Sufficient volume sent: Y N

If Applicable

VOA Zero Headspace: Y N

Preservation Correct/Checked: Y N

RAD Screen <0.5 nR/hr: Y N

Arcadis - Chevron - NM 1004 N Big Spring Street Suite 121 Midland, TX 79701 Report to: Sarah Johnson				Billing Information: Accounts Payable 1004 N Big Spring Street Suite 121 Midland, TX 79701				Pres Chk		 MT JULIET, TN 12065 Lebanon Rd. Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf									
				Email To: sarah.johnson@arcadis.com;nadja.cintronfranq															
Project Description: WTU 622				City/State Collected: Hobbs NM		Please Circle: PT MT ET		SDG # L168401 Table # L169498Y Acctnum: CHEVARCNM Template: T242769 Prelogin: P1041344 PM: 526 - Chris McCord PB: Shipped Via:											
Phone: 432-227-0266		Client Project # 30195192		Lab Project # CHEVARCNM-WTU622															
Collected by (print): Sarah Nolen		Site/Facility ID # WTU 622		P.O. #		BTEXGRO 40mlAmb-HCl CHLORIDE-300 4ozClr-NoPres DROLVI 40mlAmb-HCl-8T GRO,DRO 4ozClr-NoPres TDS 1L-HDPE NoPres													
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #															
Immediately Packed on Ice N ☐ Y ☒		Date Results Needed Standard		No. of Cntrs		Remarks Sample # (lab only)													
Sample ID		Comp/Grab	Matrix *	Depth	Date											Time			
SB-30-S-8-8.5-05122023		G	SS	8-8.5	12/05/23	1230	2	-31											
SB-29-S-0-0.5-05122023		G	SS	0-0.5	12-05-23	1115	2	-32											
SB-29-S-2-2.5-05122023		G	SS	2-2.5	12-05-23	1122	2	-33											
SB-29-S-4-4.5-05122023		G	SS	4-4.5	12-05-23	1127	2	-34											
SB-29-S-6-6.5-05122023		G	SS	6-6.5	12-05-23	1257	2	-35											
SB-29-S-8-8.5-05122023		G	SS	8-8.5	12-05-23	1259	2	-36											
SB-28-S-0-0.5-05122023		G	SS	0-0.5	12-05-23	1130	2	-37											
SB-28-S-2-2.5-05122023		G	SS	2-2.5	12-05-23	1132	2	-38											
SB-28-S-4-4.5-05122023		G	SS	4-4.5	12-05-23	1137	2	-39											
SB-28-S-6-6.5-05122023		G	SS	6-6.5	12-05-23	1302	2	-40											
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☐ FedEx ☐ Courier				Tracking #		pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☒ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N RAD Screen <0.5 mR/hr: ☒ Y ☐ N							
Relinquished by: (Signature) 		Date: 12/05/23	Time: 1500	Received by: (Signature) 		Trip Blank Received: Yes / No HCL / MeOH TBR		Temp 29.40 °C Bottles Received:				If preservation required by Login: Date/Time							
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Date:		Time:		Hold:				Condition: NCF / OK					

Arcadis - Chevron - NM

1004 N Big Spring Street
Suite 121
Midland, TX 79701

Report to:
Sarah Johnson

Project Description:
WTU 622

Phone: 432-227-0266

Collected by (print):
Sarah Aden

Collected by (signature):

Immediately
Packed on Ice N Y X

Accounts Payable
1004 N Big Spring Street
Suite 121
Midland, TX 79701

Email To:
sarah.johnson@arcadis.com;nadja.cintronfranq

City/State
Collected: Hobbs NM

Please Circle:
PT MT CT ET

Client Project #
30195192

Lab Project #
CHEVARCNM-WTU622

Site/Facility ID #
WTU 622

P.O. #

Rush? (Lab MUST Be Notified)

Same Day Five Day
Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
Three Day

Quote #

Date Results Needed

Standard

No.
of
Cnts

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cnts
SB-28-5-8-8.5-05122023	G	SS	8-8.5	12/05/23	1314	2
SB-35-5-0-0.5-05122023	G	SS		12/05/23	1142	2
SB-35-5-2-2.5-05122023	G	SS		12/05/23	1147	2
SB-35-5-4-4.5-05122023	G	SS		12/05/23	1151	2
SB-35-5-6-6.5-05122023	G	SS		12/05/23	1334	2
SB-35-5-8-8.5-05122023	G	SS		12/05/23	1345	2
TMW-1-W-04122023	G	SS GW		12/04/23	1105	6
		SS				
		SS				
		SS				

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH Temp

Flow Other

Samples returned via:
UPS FedEx Courier

Tracking #

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes / No

HCL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp 64.8 °C Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

Hold:

Condition:



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody
constitutes acknowledgment and acceptance of the
Pace Terms and Conditions found at:
<https://info.pacelabs.com/nubts/pas-standard-terms.pdf>

SDG #

Table #

Acctnum: CHEVARCNM

Template: T242769

Prelogin: P1041344

PM: 526 - Chris McCord

PB:

Shipped Via:

Remarks

Sample # (lab only)

Sample Receipt Checklist

COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

L1684911 *CHEVARCNM* relog

R5

Please relog L1684911-01 thru -46 for DRONM, TS and -47 for DRONMLVI. Log as R5 due 1/12. Transfer TS.

Add -01 to LG:DONE:WG2184391 OP:DONE:WG2184486.
 Add -02 thru -12 to LG:DONE:WG2184391 OP:DONE:WG2184571.
 Add -13 thru -21 to LG:DONE:WG2184394 OP:DONE:WG2184571.
 Add -22 to LG:DONE:WG2184394 OP:DONE:WG2184903.
 Add -23 to LG:DONE:WG2184394 OP:DONE:WG2185018.
 Add -24 thru -39 to LG:DONE:WG2184396 OP:DONE:WG2185018.
 Add -40 to LG:DONE:WG2184398 OP:DONE:WG2185410.
 Add -41 thru -46 to LG:DONE:WG2184398 OP:DONE:WG2185061.
 Add -47 to LG:DONE: OP:DONE:WG2184373.

Lab - please recapture once relogged and in correct WGs.

/app/oracle/acsprod/parse/eph/L1684911-01-WG2184486-SVGC7-1207_026.single
 /app/oracle/acsprod/parse/eph/L1684911-02-WG2184571-SVGC50-1207_020.single
 /app/oracle/acsprod/parse/eph/L1684911-03-WG2184571-SVGC50-1207_021.single
 /app/oracle/acsprod/parse/eph/L1684911-04-WG2184571-SVGC50-1207_030.single
 /app/oracle/acsprod/parse/eph/L1684911-05-WG2184571-SVGC50-1207_023R.single
 /app/oracle/acsprod/parse/eph/L1684911-06-WG2184571-SVGC50-1207_023.single
 /app/oracle/acsprod/parse/eph/L1684911-07-WG2184571-SVGC50-1207_030R.single
 /app/oracle/acsprod/parse/eph/L1684911-08-WG2184571-SVGC50-1207_028.single
 /app/oracle/acsprod/parse/eph/L1684911-09-WG2184571-SVGC50-1207_026R.single
 /app/oracle/acsprod/parse/eph/L1684911-10-WG2184571-SVGC50-1207_029.single
 /app/oracle/acsprod/parse/eph/L1684911-11-WG2184571-SVGC50-1207_024R.single
 /app/oracle/acsprod/parse/eph/L1684911-12-WG2184571-SVGC50-1207_024.single
 /app/oracle/acsprod/parse/eph/L1684911-13-WG2184571-SVGC50-1207_025R.single
 /app/oracle/acsprod/parse/eph/L1684911-14-WG2184571-SVGC50-1207_025.single
 /app/oracle/acsprod/parse/eph/L1684911-15-WG2184571-SVGC50-1207_027.single
 /app/oracle/acsprod/parse/eph/L1684911-16-WG2184571-SVGC50-1207_031R.single
 /app/oracle/acsprod/parse/eph/L1684911-17-WG2184571-SVGC50-1207_026.single
 /app/oracle/acsprod/parse/eph/L1684911-18-WG2184571-SVGC50-1207_022R.single
 /app/oracle/acsprod/parse/eph/L1684911-19-WG2184571-SVGC50-1207_027R.single
 /app/oracle/acsprod/parse/eph/L1684911-20-WG2184571-SVGC50-1207_031.single
 /app/oracle/acsprod/parse/eph/L1684911-21-WG2184571-SVGC50-1207_022.single
 /app/oracle/acsprod/parse/eph/L1684911-22-WG2184903-SVGC7-1207_041.single

/app/oracle/acsprod/parse/eph/L1684911-23-WG2185018-SVGC16-1207_055.single
/app/oracle/acsprod/parse/eph/L1684911-24-WG2185018-SVGC16-1207_056.single
/app/oracle/acsprod/parse/eph/L1684911-25-WG2185018-SVGC16-1207_057.single
/app/oracle/acsprod/parse/eph/L1684911-26-WG2185018-SVGC16-1207_058.single
/app/oracle/acsprod/parse/eph/L1684911-27-WG2185018-SVGC16-1207_073.single
/app/oracle/acsprod/parse/eph/L1684911-28-WG2185018-SVGC16-1207_059.single
/app/oracle/acsprod/parse/eph/L1684911-29-WG2185018-SVGC16-1207_060.single
/app/oracle/acsprod/parse/eph/L1684911-30-WG2185018-SVGC16-1207_061.single
/app/oracle/acsprod/parse/eph/L1684911-31-WG2185018-SVGC16-1207_062.single
/app/oracle/acsprod/parse/eph/L1684911-32-WG2185018-SVGC16-1207_072.single
/app/oracle/acsprod/parse/eph/L1684911-33-WG2185018-SVGC16-1207_063.single
/app/oracle/acsprod/parse/eph/L1684911-34-WG2185018-SVGC16-1207_064.single
/app/oracle/acsprod/parse/eph/L1684911-35-WG2185018-SVGC16-1207_065.single
/app/oracle/acsprod/parse/eph/L1684911-36-WG2185018-SVGC16-1207_066.single
/app/oracle/acsprod/parse/eph/L1684911-37-WG2185018-SVGC16-1207_067.single
/app/oracle/acsprod/parse/eph/L1684911-38-WG2185018-SVGC16-1207_068.single
/app/oracle/acsprod/parse/eph/L1684911-39-WG2185018-SVGC16-1207_069.single
/app/oracle/acsprod/parse/eph/L1684911-40-WG2185410-SVGC50-1208_016R.single.
/app/oracle/acsprod/parse/eph/L1684911-41-WG2185061-SVGC7-1208_019.single
/app/oracle/acsprod/parse/eph/L1684911-42-WG2185061-SVGC7-1208_035.single
/app/oracle/acsprod/parse/eph/L1684911-43-WG2185061-SVGC7-1208_037.single
/app/oracle/acsprod/parse/eph/L1684911-44-WG2185061-SVGC7-1208_021.single
/app/oracle/acsprod/parse/eph/L1684911-45-WG2185061-SVGC7-1208_036.single
/app/oracle/acsprod/parse/eph/L1684911-46-WG2185061-SVGC7-1208_018.single
/app/oracle/acsprod/parse/eph/L1684911-47-WG2184373-SVGC34-1207_049.single

Thanks,
Chris

From: Cintron Franqui, Nadja <Nadja.CintronFranqui@arcadis.com>

Sent: Thursday, January 04, 2024 11:31 AM

To: Chris McCord <Chris.McCord@pacelabs.com>; Johnson, Sarah <Sarah.Johnson@arcadis.com>;
EnvironmentDM-India <environmentDM-India@arcadis.com>

Subject: RE: Pace Analytical National Level II Report & EDD for 30195192 WTU 622 L1691428

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments
unless you recognize the sender and know the content is safe.

Hi Chris,

Yes, we would need ORO reported as well to keep consistency with our report. Would it be possible?

Thank you,

Nadja Cintron Franqui
Geologist 1 | POD 2 Leader
Arcadis U.

--- Email body truncated due to large size. Full email body added as attachment. ---

Time estimate: oh

Time spent: oh

Members

 Christopher McCord (responsible)

Appendix D

Groundwater Analytical Report



ANALYTICAL REPORT

December 29, 2023

Arcadis - Chevron - NM

Sample Delivery Group: L1691428
Samples Received: 12/06/2023
Project Number: 30195192
Description: WTU 622
Site: WTU 622
Report To: Sarah Johnson
1004 N Big Spring Street
Suite 121
Midland, TX 79701

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chris McCord".

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
TMW-1-W-04122023 L1691428-01	5	⁴ Cn
Qc: Quality Control Summary	6	
Wet Chemistry by Method 300.0	6	⁵ Sr
Gl: Glossary of Terms	7	
Al: Accreditations & Locations	8	⁶ Qc
Sc: Sample Chain of Custody	9	⁷ Gl
		⁸ Al
		⁹ Sc

TMW-1-W-04122023 L1691428-01 WW

Collected by
Collected date/time
Received date/time

12/04/23 11:05
12/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 300.0	WG2196357	100	12/28/23 09:56	12/28/23 09:56	ASM	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	10700		37.9	100	100	12/28/2023 09:56	WG2196357

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4017540-1 12/28/23 02:09

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	U		0.379	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1689613-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1689613-01 12/28/23 03:50 • (DUP) R4017540-3 12/28/23 04:06

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	12.2	12.3	1	0.754		15

L1691156-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1691156-02 12/28/23 08:37 • (DUP) R4017540-6 12/28/23 08:53

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	10.3	10.3	1	0.0203		15

Laboratory Control Sample (LCS)

(LCS) R4017540-2 12/28/23 02:24

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	41.0	103	90.0-110	

L1689613-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1689613-01 12/28/23 03:50 • (MS) R4017540-4 12/28/23 04:22 • (MSD) R4017540-5 12/28/23 04:38

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	40.0	12.2	50.8	51.0	96.7	97.0	1	80.0-120			0.274	15

L1691156-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1691156-02 12/28/23 08:37 • (MS) R4017540-7 12/28/23 09:08

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Chloride	40.0	10.3	49.2	97.0	1	80.0-120	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

QualifierDescription

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Arcadis - Chevron - NM

1004 N Big Spring Street
Suite 121
Midland, TX 79701

Accounts Payable
1004 N Big Spring Street
Suite 121
Midland, TX 79701

Report to:
Sarah Johnson

Email To:
sarah.johnson@arcadis.com;nadja.cintronfranq

Project Description:
WTU 622

City/State
Collected: **Hobbs NM**

Please Circle:
PT MT **CT** ET

Phone: **432-227-0266**

Client Project #
30195192

Lab Project #
CHEVARNM-WTU622

Collected by (print):
Sarah Valen

Site/Facility ID #
WTU 622

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Standard

Immediately

Packed on Ice N ___ Y **X**

Pres
Chk



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody
constitutes acknowledgment and acceptance of the
Pace Terms and Conditions found at:
<https://info.pacelabs.com/hubfs/pace-terms.pdf>

SDG #

Table #

Acctnum: **CHEVARNM**

Template: **T242769**

Prelogin: **P1041344**

PM: **526 - Chris McCord**

PB:

Shipped Via:

Remarks

Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEXGRO 40mlAmb-HCl	CHLORIDE-300 4ozClr-NoPres	DROLVI 40mlAmb-HCl-BT	GRO,DRO 4ozClr-NoPres	TDS 1L-HDPE NoPres								
SB-28-S-8-8.5-05122023	G	SS	8-8.5	12/05/23	1314	2		X		X									-41
SB-35-S-0-0.5-05122023	G	SS		12/05/23	1142	2		X		X									-42
SB-35-S-2-2.5-05122023	G	SS		12/05/23	1147	2		X		X									-43
SB-35-S-4-4.5-05122023	G	SS		12/05/23	1151	2		X		X									-44
SB-35-S-6-6.5-05122023	G	SS		12/05/23	1334	2		X		X									-45
SB-35-S-8-8.5-05122023	G	SS		12/05/23	1345	2		X		X									-46
TMW-1-W-04122023	G	SS GW		12/04/23	1105	6	X	X	X	X	X								-47
		SS																	
		SS																	
		SS																	

* Matrix:

SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:

___ UPS ___ FedEx ___ Courier

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact: ___ NP ___ Y ___ N
COC Signed/Accurate: ___ Y ___ N
Bottles arrive intact: ___ Y ___ N
Correct bottles used: ___ Y ___ N
Sufficient volume sent: ___ Y ___ N
If Applicable
VOA Zero Headspace: ___ Y ___ N
Preservation Correct/Checked: ___ Y ___ N
RAD Screen <0.5 mR/hr: ___ Y ___ N

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes / No

HCL / MeOH

TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp **64.8** °C

Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

Hold:

Condition

NCF / OK

L1684911 *CHEVARCNM* RUSH relog

Ro/R1

Please relog L1684911-47 for CHLORIDE matrix 3. Log as R1 due 12/28.

Thanks,
Chris

NOTICE-- The contents of this email and any attachments may contain confidential, privileged, and/or legally protected information and are for the sole use of the addressee(s). Any review or distribution by others is strictly prohibited. If you are not the intended recipient, please contact the sender immediately and delete any copies.

P Please consider the environment before printing this email

Time estimate: oh

Time spent: oh

Members

 Christopher McCord (responsible)

Appendix E

Background Soil and Groundwater Assessment Work Plan



New Mexico Oil Conservation Division
District I
1625 N. French Drive
Hobbs, New Mexico 88240

Date: September 18, 2024
Background Soil & Groundwater Assessment Work Plan
Case No. 1RP-2874
Incident No. nGRL1233232139
Lea County, New Mexico

Arcadis U.S., Inc.
10205 Westheimer Road
Suite 800
Houston
Texas 77042
Phone: 713 953 4800
Fax: 713 977 4620
www.arcadis.com

TX Engineering License # F-533
TX Geoscientist License # 50158

Dear Whom it May Concern,

Arcadis U.S., Inc. (Arcadis) has prepared this Work Plan for Chevron Environmental Management Company (CEMC) on behalf of Chevron U.S.A. Inc., through its division Chevron North America Exploration and Production Company to perform environmental remediation services for the WTU 622 (Site), located in Lea County, New Mexico on State owned land. Environmental assessment at the Site is required by the New Mexico Oil Conservation Division (NMOCD) and the New Mexico State Land Office (SLO). A site location map is included as **Figure 1**.

Project Summary

The Site is located approximately 32.4 miles southwest from Hobbs, in Bureau of Land Management legal description Unit F, Section 16, Township 20 South, Range 33 East, Lea County, New Mexico.

On November 16, 2012, a ruptured line released 15 barrels (bbls) of produced water at the Site. Upon discovery, a vacuum truck was dispatched and recovered approximately 5 bbls of standing fluid and the line was repaired. According to the New Mexico Oil Conservation Division (NMOCD) Initial C-141 Form submitted on November 26, 2012, the affected area measures approximately 115' by 10' and 190' by 30'. The Initial C-141 Form was approved with conditions and assigned remediation permit number 1RP-2874 and incident number nGRL1233232139.

2023 Site Assessment Activities

On December 4-7, 2023, Arcadis personnel collected 46 soil samples from 12 test trench locations (SB-25 through SB-36) within the release area (**Figure 2**). The soil samples were collected with a backhoe at depths ranging from 0-0.5 feet (ft) below ground surface (bgs) to 8 ft bgs. The soil cuttings were returned to the respective test trench locations. All soil cuttings were continuously logged for lithologic characteristics according to the Unified Soil Classification System (USCS).

The soil samples were collected in two and four-ounce jars provided by Pace Analytical Laboratory (Pace) located in Mt. Juliet, Tennessee and shipped overnight to Pace via FedEx. Upon receipt by the laboratory, the soil

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samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), oil range organics (ORO); and chloride by United State Environmental Protection Agency (USEPA) Methods 8015 and 300, respectively. Benzene, toluene, ethylbenzene, and xylenes (BTEX) constituents were not detected in soil samples collected from previous assessment activities and were therefore not analyzed during the 2023 assessment. A cumulative summary of the soil analytical results is presented in **Table 1**.

On December 4, 2023, a temporary monitoring well (TMW-1) was installed to determine depth to groundwater at the Site. Depth to groundwater was determined to be 34.2 ft bgs. The temporary monitoring well was constructed with two-inch diameter schedule 40 PVC casing and 10 ft slotted screen. The top of screen was installed 3 feet above the groundwater table and extended into the groundwater bearing unit. The well was purged, developed, gauged, sampled, and plugged within 24 hours of installation. The temporary monitoring well was plugged and abandoned using bentonite and native soil.

The groundwater sample was collected in bottles provided by Pace and shipped overnight to Pace via FedEx. Upon receipt by the laboratory, the groundwater samples were analyzed for BTEX; total TPH; total dissolved solids (TDS); and chloride by USEPA Methods 8020, 8015, 2540 and 300, respectively. A summary of the groundwater analytical results is presented in **Table 2**.

Analytical results associated with recent assessment activities conducted in 2023 indicate that the horizontal and vertical extent of chloride impact in the soil and groundwater have not been fully delineated at the site.

NMAC Regulatory Criteria

The NMOCD classifies the Site to use the most stringent regulatory limits due to depth to groundwater being confirmed less than 50 ft bgs, and no additional conditions or stipulations are applicable to the Site. Per Table I of the New Mexico Administrative Code (NMAC) part 19.15.29.12, the following closure criteria apply to the Site:

Constituent	Limit (mg/kg)
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Proposed Work Plan

According to the U.S. Fish & Wildlife Service's National Wetland Inventory database, there are two salt lakes located within a 3-mile radius of the Site. CEMC proposes conducting background soil and groundwater assessment activities to determine regional soil and groundwater conditions in proximity to the Site.

Four background soil borings will be installed via air rotary to approximately 40 ft bgs and converted to temporary monitoring wells. The soil borings will be advanced within similar soil types determined by the National Resources Conservation Services (NRCS) survey represented within the impacted area at the Site to determine naturally occurring background chloride and TDS concentrations in soil and groundwater. Soil samples will be collected at the surface, and then at 2-foot intervals to an approximate depth of 40 ft bgs. The soil cuttings will be continuously

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logged for lithologic characteristics according to the Unified Soil Classification System (USCS) and spread on-site. Boring locations will be determined based on the soil type, no visual or database reviewed indications of previous or current environmental impacts or oil and gas operations, within 50 to 100 feet of the release area, and within similar elevations relative to the Site. The proposed soil boring locations are included on **Figure 3**. All soil samples will be analyzed for chloride by USEPA Method 300 and select soil samples (5-foot intervals) will be analyzed for BTEX and TPH by USEPA Method 8020 and 8015, respectively. If not previously completed, a cultural resource survey will be conducted in compliance with the Cultural Properties Protection Rule on any previously undisturbed area prior to soil boring installation activities.

The temporary monitoring wells will be sampled approximately 24 hours following installation. The temporary monitoring wells will be gauged to determine depth to water and depth to light non-aqueous phase liquid (LNAPL) if present. The temporary monitoring wells will be purged using low-flow methodologies, and groundwater samples will be collected for the following laboratory analysis:

- Chloride by USEPA Method 300.0,
- BTEX by USEPA Method 8020.
- TPH by USEPA Method 8015, and
- Total dissolved solids by Method 2540C

Reporting

A report summarizing the background soil and groundwater sampling activities completed at the Site will be submitted to the NMOCD and NMSLO. The report will summarize the results of the sampling activities and will include a sample location map, tabulation of the soil and groundwater analytical results, and photographic documentation.

Work Plan Approval Request

Arcadis is prepared to initiate the scope of work within 90 days of receiving written approval from the NMOCD, NMSLO, and permit approvals from New Mexico Office of the State Engineer (NMOSE). If you have any questions or comments with regards to this work plan, please do not hesitate to contact Sarah Johnson at (931) 436-0316 or sarah.johnson@arcadis.com or Chris Brand with CEMC at (661) 401-0359 or chrisbrand@chevron.com. Your timely response to this correspondence is appreciated.

NMOCD
September 18, 2024

Sincerely,
Arcadis U.S., Inc.



Sarah Johnson
Certified Project Manager

Email: sarah.johnson@arcadis.com
Direct Line: 931.436.0316

CC. Chris Brand - CEMC

Enclosures:

Table 1.	Summary of Cumulative Soil Analytical Data
Table 2.	Summary Groundwater Analytical Data
Figure 1.	Site Location Map
Figure 2	Historical Soil Analytical Results Map
Figure 3.	Proposed Soil Boring Location Map

This proposal and its contents shall not be duplicated, used or disclosed — in whole or in part — for any purpose other than to evaluate the proposal. This proposal is not intended to be binding or form the terms of a contract. The scope and price of this proposal will be superseded by the contract. If this proposal is accepted and a contract is awarded to Arcadis as a result of — or in connection with — the submission of this proposal, Arcadis and/or the client shall have the right to make appropriate revisions of its terms, including scope and price, for purposes of the contract. Further, client shall have the right to duplicate, use or disclose the data contained in this proposal only to the extent provided in the resulting contract.

Tables



Table 1
Summary of Cumulative Soil Analytical Data
Chevron Environmental Management Company
Onsuez #2
Lea County, New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date	NMAC Standards						
			Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMAC Standards			10	--	--	--	50	100	600
HA-1	0 - 6"	5/20/2020	0.00355 J	<0.00142	<0.00105	<0.00116	0.00718 J	389	32.7 F1
	1'6"	5/20/2020	0.00129 J	<0.00152	<0.00112	<0.00125	0.00518 J	128 J	71
HA-2	0 - 6"	5/20/2020	0.000724 J	<0.00143	<0.00106	<0.00117	0.004384 J	204	179
	2' 4"	5/20/2020	<0.000701	<0.00154	<0.00114	<0.00126	<0.004641	116	2,110
HA-3	0 - 6"	5/20/2020	<0.000689	<0.00151	<0.00112	<0.00124	<0.004559	174	4,750
	2"	5/20/2020	<0.000642	<0.00141	<0.00104	<0.00115	<0.004242	<11	684
HA-4	0 - 6"	5/20/2020	<0.000687	<0.00150	<0.00111	<0.00123	<0.004527	<12	2,120
	1'	5/20/2020	<0.000682	<0.00149	<0.00110	<0.00122	<0.004492	<12	11
HA-5	0 - 6"	5/20/2020	<0.000938	<0.00205	<0.00152	<0.00168	<0.006188	65 J F2 F1	237
	1'	5/20/2020	<0.000782	<0.00171	<0.00127	<0.00140	<0.005162	<13	9
HA-6	0 - 6"	5/20/2020	<0.000776	<0.00170	<0.00126	<0.00139	<0.005126	23 J	30.1 F1
	1'	5/20/2020	<0.000651	<0.00143	<0.00105	<0.00117	<0.004301	15 J	76
HA-7	0 - 6"	5/20/2020	<0.000665	<0.00146	<0.00108	<0.00119	<0.004395	<11	86
	2'	5/20/2020	0.018	0.00184 J	<0.00105	<0.00116	0.02205 J	263	114
	2'	5/20/2020	0.00206 J	<0.00150	<0.00111	<0.00123	0.0059 J	122 J	2,590
	6'	5/20/2020	<0.000648	<0.00142	<0.00105	<0.00116	<0.004278	59	2,940
HA-8	0 - 6"	5/20/2020	<0.000894	<0.00196	<0.00145	<0.00160	<0.005904	<15	2,280
	2'	5/21/2020	0.00112 J	<0.00187	<0.00138	<0.00153	0.0059 J	234 H	10
HA-9	0 - 6"	5/21/2020	0.00160 J	<0.00180	<0.00133	<0.00148	0.00621 J	122	41
	2'	5/20/2020	<0.000645	<0.00141	<0.00104	<0.00116	<0.004255	99	3,530
	2'	5/20/2020	0.00193 J	<0.00189	<0.00140	<0.00155	0.00677 J	61	2,310
	4'	5/20/2020	0.00144 J	<0.00182	<0.00134	<0.00149	0.00609 J	106	1,860
HA-10	0 - 6"	5/20/2020	0.000745 J	<0.00139	<0.00103	<0.00114	0.004305 J	99	7,390
HA-11	0 - 6"	5/20/2020	0.00103 J	<0.00145	<0.00107	<0.00118	0.00473 J	516	6,300
	2'	5/20/2020	0.00146 J	<0.00173	<0.00128	<0.00141	0.00588 J	207 J	7,870
	4'	5/20/2020	0.00101 J	<0.00195	<0.00144	<0.00160	0.006 J	164 H	3,920
HA-12	0 - 6"	5/20/2020	0.00127 J	<0.00146	<0.00108	<0.00119	0.005 J	449	14,800
	2'	5/20/2020	0.00218 J	<0.00188	<0.00139	<0.00154	0.00699 J	192	4,920
	4'	5/20/2020	<0.000768	<0.00168	<0.00124	<0.00138	<0.005068	<13	3,030
HA-13	0 - 6"	5/20/2020	0.00719	<0.00134	<0.000991	<0.00110	0.010621	123 J	718
	2'	5/20/2020	0.000921 J	<0.00159	<0.00117	<0.00130	0.004981 J	117 J	2,610
	4'	5/20/2020	<0.000773	<0.00169	<0.00125	<0.00139	<0.005103	<13	2,890 F1
HA-14	0 - 6"	5/21/2020	0.00298 J	<0.00144	<0.00106	<0.00118	0.00666 J	22,949	78
HA-15	0 - 6"	5/21/2020	0.00411 J	<0.00144	<0.00106	<0.00118	0.00779 J	151 J	101
	2'	5/21/2020	0.00106 J	<0.00210	<0.00155	<0.00172	0.00643 J	158 J	3,490
	4'	5/21/2020	0.000950 J	<0.00184	<0.00136	<0.00151	0.00566 J	24 H	4,570
HA-16	0 - 6"	5/21/2020	0.00186 J	<0.00148	<0.00110	<0.00121	0.00565 J	109	15
	2'	5/21/2020	0.000847 J	<0.00148	<0.00109	<0.00121	0.004627 J	100	48
HA-17	0 - 6"	5/21/2020	0.00201 J	<0.00145	<0.00107	<0.00118	0.00571 J	120 J	6,870
	2'	5/21/2020	<0.000646	<0.00142	<0.00105	<0.00116	<0.004276	70	5,660 F1 F2
	4'	5/21/2020	<0.000694	<0.00152	<0.00112	<0.00125	<0.004584	<68	4,310
HA-18	0 - 6"	5/21/2020	<0.000713	<0.00156	<0.00115	<0.00128	<0.004703	80	2,850
	2'	5/21/2020	<0.000707	<0.00155	<0.00114	<0.00127	<0.004667	68	4,360
HA-19	0 - 6"	5/21/2020	0.00343 J	<0.00147	<0.00109	<0.00121	0.0072 J	231	3,930
	2'	5/21/2020	<0.000756	<0.00166	<0.00122	<0.00136	<0.004996	112 J	7,080
	4'	5/21/2020	<0.000759	<0.00166	<0.00123	<0.00136	<0.005009	<9	10,700
HA-20	0 - 6"	5/20/2020	<0.000738	<0.00162	<0.00119	<0.00132	<0.004868	4,660	219
SB-1	0	8/22/2022	<0.000554	<0.00554	<0.000554	<0.00166	<0.000554	73.4	16.6 J
	2	8/22/2022	<0.000661	<0.00661	<0.000661	<0.00198	<0.000661	8.78 J	237
	4	8/22/2022	<0.000565	<0.00565	<0.000565	<0.00169	<0.000565	0.569 J	102
	6	8/22/2022	<0.000698	<0.00698	<0.000698 J3	<0.00210 J3	<0.000698 J3	<0.140 J3	104
	8	8/22/2022	<0.000642	<0.00642	<0.000642	<0.00192	<0.000642	1.35 J	116
SB-2	0	8/22/2022	<0.000616	<0.00616	<0.000616	<0.00185	<0.000616	0.705 J	44.5
	2	8/22/2022	<0.000669	<0.00669	<0.000669	<0.00201	<0.000669	0.765 J	491
	4	8/22/2022	<0.000648	<0.00648	<0.000648	<0.00195	<0.000648	<0.130	68.2
	6	8/22/2022	<0.000655	<0.00655	<0.000655	<0.00196	<0.000655	0.959 J	253
	8	8/22/2022	<0.000693	<0.00693	<0.000693	<0.00208	<0.000693	<0.139	210



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Chevron Environmental Management Company
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Lea County, New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date	NMAC Standards						
			Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			10	--	--	--	50	100	600
SB-3	0	8/22/2022	<0.000560	<0.00560	<0.000560	<0.00168	<0.000560	1,047	272
	2	8/22/2022	0.0013	0.00260 J	<0.000581	<0.00174	0.0039 J	8.1 J	1,640
	4	8/22/2022	<0.000587	<0.00587	<0.000587	<0.00176	<0.000587	130.8	1,700
	6	8/22/2022	<0.000624	<0.00624	<0.000624	<0.00187	<0.000624	<0.125	364
	8	8/22/2022	<0.000525	<0.00525	<0.000525	<0.00157	<0.000525	2.77 J	558
SB-4	0	8/22/2022	<0.000558	<0.00558	<0.000558	<0.00167	<0.000558	8.34 J	<22.3
	2	8/22/2022	<0.000536	<0.00536	<0.000536	<0.00161	<0.000536	4.36	274
	4	8/22/2022	<0.000657	<0.00657	<0.000657	<0.00197	<0.000657	0.791 J	202
	6	8/22/2022	<0.000581	<0.00581	<0.000581	<0.00174	<0.000581	0.319 J	156
	8	8/22/2022	<0.000648	<0.00648	<0.000648	<0.00194	<0.000648	<0.130	90.7
SB-5	0	8/22/2022	<0.000626	<0.00626	<0.000626	<0.00188	<0.000626	30.61	<25.0
	2	8/22/2022	<0.000681	<0.00681	<0.000681	<0.00204	<0.000681	0.392 J	176
	4	8/22/2022	<0.000558	<0.00558	<0.000558	<0.00168	<0.000558	1.35 J	1,290
	6	8/22/2022	<0.000567	<0.00567	<0.000567	<0.00170	<0.000567	0.875 J	1,630
	8	8/22/2022	<0.000560	<0.00560	<0.000560	<0.00168	<0.000560	4.318 J	1,110
SB-6	0	8/22/2022	<0.000584	<0.00584	<0.000584	<0.00175	<0.000584	51.3	23.3 J
	2	8/22/2022	<0.000528	<0.00528	<0.000528	<0.00159	<0.000528	167.2	528 J3
	4	8/22/2022	<0.000586	<0.00586	<0.000586	<0.00176	<0.000586	1.47 J	3,170
	6	8/22/2022	<0.000543	<0.00543	<0.000543	<0.00163	<0.000543	0.938 J	2,030
	8	8/22/2022	<0.000545	<0.00545	<0.000545	<0.00164	<0.000545	1.20 J	1,820
SB-7	0	8/22/2022	<0.000543	<0.00543	<0.000543	<0.00163	<0.000543	3.21 J	1,700
	2	8/22/2022	<0.000569	<0.00569	<0.000569	<0.00171	<0.000569	24.06	5,470
	4	8/22/2022	<0.000605	<0.00605	<0.000605	<0.00182	<0.000605	2.07 J	829
	6	8/22/2022	<0.000539	<0.00539	<0.000539	<0.00162	<0.000539	1.96 J	511
	8	8/22/2022	<0.000563	<0.00563	<0.000563	<0.00169	<0.000563	3.72 J	411
SB-8	0	8/23/2022	<0.000532	<0.00532	<0.000532	<0.00160	<0.000532	216.1	107
	2	8/23/2022	<0.000563	<0.00563	<0.000563	<0.00169	<0.000563	7.77	2,450
	4	8/23/2022	<0.000547	<0.00547	<0.000547	<0.00164	<0.000547	0.886 J	2,310
	6	8/23/2022	<0.000523	<0.00523	<0.000523	<0.00157	<0.000523	1.04 J	1,050
	8	8/23/2022	<0.000548	<0.00548	<0.000548	<0.00164	<0.000548	2.729 J	1,700
SB-9	0	8/23/2022	<0.000651	<0.00651	<0.000651	<0.00195	<0.000651	4.44 J	202 J3
	2	8/23/2022	<0.000615	<0.00615	<0.000615	<0.00184	<0.000615	2.47 J	4,720
	4	8/23/2022	<0.000617	<0.00617	<0.000617	<0.00185	<0.000617	<0.123	3,420
	6	8/23/2022	<0.000679	<0.00679	<0.000679	<0.00204	<0.000679	<0.136	1,060
	8	8/23/2022	<0.000658	<0.00658	<0.000658	<0.00197	<0.000658	<0.132	1,220
SB-10	0	8/23/2022	<0.000645	<0.00645	<0.000645	<0.00194	<0.000645	0.501 J	4,460*
	2	8/23/2022	<0.000620	<0.00620	<0.000620	<0.00186	<0.000620	14.79 J	1,850*
	4	8/23/2022	<0.000760	<0.00760	<0.000760	<0.00228	<0.000760	309.6 J3 J6	6,790*
	6	8/23/2022	<0.000660	<0.00660	<0.000660	<0.00198	<0.000660	152.1	1,280
	8	8/23/2022	<0.000659	<0.00659	<0.000659	<0.00198	<0.000659	63.1	1,080
SB-11	0	8/23/2022	<0.000569	<0.00569	<0.000569	<0.00171	<0.000569	63	28.5
	2	8/23/2022	<0.000569	<0.00569	<0.000569	<0.00171	<0.000569	5,020	804
	4	8/23/2022	<0.000549	<0.00549	<0.000549	<0.00165	<0.000549	3,750	744
	6	8/23/2022	<0.000659	<0.00659	<0.000659	<0.00198	<0.000659	86.9	300
	8	8/23/2022	<0.000658	<0.00658	<0.000658	<0.00197	<0.000658	8.14 J	105
SB-12	0	8/23/2022	<0.000583	<0.00583	<0.000583	<0.00175	<0.000583	95.2	50.2
	2	8/23/2022	<0.000567	<0.00567	<0.000567	<0.00170	<0.000567	6.66 J	687
	4	8/23/2022	<0.000550	<0.00550	<0.000550	<0.00165	<0.000550	2.18 J	2,420
	6	8/23/2022	<0.000539	<0.00539	<0.000539	<0.00162	<0.000539	1.30 J	1,460
	8	8/23/2022	<0.000548	<0.00548	<0.000548	<0.00164	<0.000548	0.588 B J	1,450
SB-13	0	8/23/2022	<0.000550	<0.00550	<0.000550	<0.00165	<0.000550	19.91 B J	12,900
	2	8/23/2022	<0.000604	<0.00604	<0.000604	<0.00181	<0.000604	3.10 B J	6,550
	4	8/23/2022	<0.000591	<0.00591	<0.000591	<0.00177	<0.000591	0.972 B J	2,020
	6	8/23/2022	<0.000641	<0.00641	<0.000641	<0.00192	<0.000641	<0.128	661
	8	8/23/2022	<0.000568	<0.00568	<0.000568	<0.0017	<0.000568	0.354 B J	2,730
SB-14	0	8/23/2022	0.00141	<0.00545	<0.000545	<0.00164	0.00141	13.41 J B	<21.8
	2	8/23/2022	<0.000729	<0.00729	<0.000729	<0.00219	<0.000729	1.29 B J	190
	4	8/23/2022	<0.000589	<0.00589	<0.000589	<0.00177	<0.000589	4.17 B J	5,770*
	6	8/23/2022	<0.000532	<0.00532	<0.000532	<0.00159	<0.000532	0.983 B J	2,180
	8	8/23/2022	<0.000565	<0.00565	<0.000565	<0.00169	<0.000565	0.490 B J	1,630
SB-15	0	8/23/2022	0.00109	<0.00552	<0.000552	<0.00165	0.00109	160.7	24
	2	8/23/2022	<0.000547	<0.00547	<0.000547	<0.00164	<0.000547	7.69 B J	2,080
	4	8/23/2022	<0.000533	<0.00533	<0.000533	<0.00160	<0.000533	1.00 B J	2,720
	6	8/23/2022	<0.000526	<0.00526	<0.000526	<0.00158	<0.000526	<0.105	1,750
	8	8/23/2022	<0.000547	<0.00547	<0.000547	<0.00164	<0.000547	0.558 B J	2,530



Table 1
Summary of Cumulative Soil Analytical Data
Chevron Environmental Management Company
Onsures #2
Lea County, New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date	NMAC Standards						
			Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMAC Standards			10	--	--	--	50	100	600
SB-16	0	8/23/2022	<0.000544	<0.00544	<0.000544	<0.00163	<0.000544	4.75 B J	1,400
	2	8/23/2022	<0.000547	<0.00547	<0.000547	<0.00164	<0.000547	142.8*	12.1 J
	4	8/23/2022	<0.000551	<0.00551	<0.000551	<0.00165	<0.000551	<0.110	3,480
	6	8/23/2022	<0.000527	<0.00527	<0.000527	<0.00158	<0.000527	0.294 B J	1,730
	8	8/23/2022	<0.000550	<0.00550	<0.000550	<0.00165	<0.000550	0.374 J	2,790
SB-17	0	8/23/2022	0.00133	<0.00553	<0.000553	<0.00166	0.00133	116.4*	5,470
	2	8/23/2022	<0.000550	<0.00550	<0.000550	<0.00165	<0.000550	2.48 J	2,280
	4	8/23/2022	<0.000560	<0.00560	<0.000560	<0.00168	<0.000560	1.21 J	2,540
	6	8/23/2022	<0.000587	<0.00587	<0.000587	<0.00176	<0.000587	1.74 J	1,810
	8	8/23/2022	<0.000571	<0.00571	<0.000571	<0.00171	<0.000571	0.652 J	3,020
SB-18	0	8/24/2022	<0.000558	<0.00558	<0.000558	<0.00167	<0.000558	45.24	11,600
	2	8/24/2022	<0.000602	<0.00602	<0.000602	<0.00181	<0.000602	1.36 J	4,680
	4	8/24/2022	<0.000688	<0.00688	<0.000688	<0.00206	<0.000688	2.832 J	3,010
	6	8/24/2022	<0.000550	<0.00550	<0.000550	<0.00165	<0.000550	2.19 J	5,380
	8	8/24/2022	<0.000632	<0.00632	<0.000632	<0.00189	<0.000632	3.326 J	4,060
SB-19	0	8/24/2022	<0.000544	<0.00544	<0.000544	<0.00163	<0.000544	5.77 J	3,310
	2	8/24/2022	<0.000593	<0.00593	<0.000593	<0.00178	<0.000593	9.7 J	1,730
	4	8/24/2022	<0.000634	<0.00634	<0.000634	<0.00190	<0.000634	0.364 J	464
	6	8/24/2022	<0.000631	<0.00631	<0.000631	<0.00190	<0.000631	0.404 J	544
	8	8/24/2022	<0.000581	<0.00581	<0.000581	<0.00174	<0.000581	3.537 J	1,450
SB-20	0	8/24/2022	<0.000557	<0.00557	<0.000557	<0.00167	<0.000557	14.92	2,180
	2	8/24/2022	<0.000572	<0.00572	<0.000572	<0.00171	<0.000572	3.75 J	2,680 V
	4	8/24/2022	<0.000639	<0.00639	<0.000639	<0.00192	<0.000639	2.944 J	2,130
	6	8/24/2022	<0.000654	<0.00654	<0.000654	<0.00197	<0.000654	<0.131	661
	8	8/24/2022	<0.000571	<0.00571	<0.000571	<0.00172	<0.000571	0.372 J	1,110
SB-21	0	8/24/2022	<0.000580	<0.00580	<0.000580	<0.00174	<0.000580	96.3	4,180
	2	8/24/2022	<0.000703	<0.00703	<0.000703	<0.00211	<0.000703	<0.141	2,060
	4	8/24/2022	<0.000587	<0.00587	<0.000587	<0.00176	<0.000587	<0.117	3,060
	6	8/24/2022	<0.000538	<0.00538	<0.000538	<0.00162	<0.000538	<0.108	868
	8	8/24/2022	<0.000677	<0.00677	<0.000677	<0.00203	<0.000677	<0.135	971
SB-22	0	8/24/2022	<0.000638	<0.00638	<0.000638	<0.00191	<0.000638	24.37	8,440
	2	8/24/2022	<0.000590	<0.00590	<0.000590	<0.00177	<0.000590	<0.118	3,550
	4	8/24/2022	<0.000692	<0.00692	<0.000692	<0.00208	<0.000692	264*	1,690
	6	8/24/2022	<0.000557	<0.00557	<0.000557	<0.00167	<0.000557	3.96 J	2,200
	8	8/24/2022	<0.000684	<0.00684	<0.000684	<0.00205	<0.000684	<0.137	1,340
SB-23	0	8/24/2022	<0.000524	<0.00524	<0.000524	<0.00157	<0.000524	486*	387
	2	8/24/2022	<0.000570	<0.00570	<0.000570	<0.00171	<0.000570	<0.114	3,990
	4	8/24/2022	<0.000554	<0.00554	<0.000554	<0.00166	<0.000554	<0.111	2,640
	6	8/24/2022	<0.000551	<0.00551	<0.000551	<0.00165	<0.000551	<0.110	3,030
	8	8/24/2022	<0.000573	<0.00573	<0.000573	<0.00172	<0.000573	<0.115	3,820
SB-24	0	8/24/2022	<0.000545	<0.00545	<0.000545	<0.00164	<0.000545	6.3	1,500
	2	8/24/2022	<0.000627	<0.00627	<0.000627	<0.00188	<0.000627	1.62 J	3,020
	4	8/24/2022	<0.000565	<0.00565	<0.000565	<0.00170	<0.000565	1.02 B J	1,710
	6	8/24/2022	<0.000527	<0.00527	<0.000527	<0.00158	<0.000527	<0.105	819
	8	8/24/2022	<0.000649	<0.00649	<0.000649	<0.00195	<0.000649	<0.130	2,810
SB-25	0 - 0.5	12/04/2023	--	--	--	--	--	20.8236 J	11.4
	2 - 2.5	12/04/2023	--	--	--	--	--	3.11 J	34.6
	4 - 4.4	12/04/2023	--	--	--	--	--	0.754 J	391
SB-26	0 - 0.5	12/04/2023	--	--	--	--	--	9.3232 J	53.6
	2 - 2.5	12/04/2023	--	--	--	--	--	0.977 J	1,940
	4 - 4.5	12/04/2023	--	--	--	--	--	2.5949 J	543
SB-27	0 - 0.5	12/04/2023	--	--	--	--	--	36.36 J	10.9 J
	2 - 2.5	12/04/2023	--	--	--	--	--	17.96 J	288
	4 - 4.5	12/04/2023	--	--	--	--	--	2.89 J	1,920
SB-28	0 - 0.5	12/05/2023	--	--	--	--	--	24.30	11,800
	2 - 2.5	12/05/2023	--	--	--	--	--	4.57 J	8,720
	4 - 4.5	12/05/2023	--	--	--	--	--	1.4 J3J6BJ	6,830
	6 - 6.5	12/05/2023	--	--	--	--	--	19.0571 J	3,520
	8 - 8.5	12/05/2023	--	--	--	--	--	0.581 J	3,330
SB-29	0 - 0.5	12/05/2023	--	--	--	--	--	10.6247 J	<9.66
	2 - 2.5	12/05/2023	--	--	--	--	--	6.08	2,900
	4 - 4.5	12/05/2023	--	--	--	--	--	1.97 BJ	1,880
	6 - 6.5	12/05/2023	--	--	--	--	--	1.98 BJ	2,480
	8 - 8.5	12/05/2023	--	--	--	--	--	0.37 BJ	3,020



Table 1
Summary of Cumulative Soil Analytical Data
Chevron Environmental Management Company
Onsures #2
Lea County, New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date							
			Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMAC Standards			10	--	--	--	50	100	600
SB-30	0 - 0.5	12/05/2023	--	--	--	--	--	29.1897 J	10.7 J
	2 - 2.5	12/05/2023	--	--	--	--	--	3.96 BJ	<11.2
	4 - 4.5	12/05/2023	--	--	--	--	--	2.67 BJ	<10.2
	6 - 6.5	12/05/2023	--	--	--	--	--	1.17 BJ	3,330
	8 - 8.5	12/05/2023	--	--	--	--	--	<0.0241	2,990
SB-31	0 - 0.5	12/05/2023	--	--	--	--	--	42.2098 J	237
	2 - 2.5	12/05/2023	--	--	--	--	--	7.20	3,760
	4 - 4.5	12/05/2023	--	--	--	--	--	2.61 BJ	4,810
	6 - 6.5	12/05/2023	--	--	--	--	--	0.749 BJ	2,370
	8 - 8.5	12/05/2023	--	--	--	--	--	1.04 BJ	4,400
SB-32	0 - 0.5	12/05/2023	--	--	--	--	--	7.5766 J	<9.70
	2 - 2.5	12/05/2023	--	--	--	--	--	2.68 J	109
	4 - 4.5	12/05/2023	--	--	--	--	--	0.855 J	66.8
SB-33	0 - 0.5	12/05/2023	--	--	--	--	--	7.73	2,090
	2 - 2.5	12/05/2023	--	--	--	--	--	0.88 J	3,320
	4 - 4.5	12/05/2023	--	--	--	--	--	14.31 J	<9.69
SB-34	0 - 0.5	12/05/2023	--	--	--	--	--	14.59 J	<9.70
	2 - 2.5	12/05/2023	--	--	--	--	--	4.60	2,210
	4 - 4.5	12/05/2023	--	--	--	--	--	1.94 J	2,530
SB-35	0 - 0.5	12/05/2023	--	--	--	--	--	416.50	26.2
	2 - 2.5	12/05/2023	--	--	--	--	--	345.03 J	1,050
	4 - 4.5	12/05/2023	--	--	--	--	--	8.90 J	50.9
	6 - 6.5	12/05/2023	--	--	--	--	--	42.03 BJ	1,170
	8 - 8.5	12/05/2023	--	--	--	--	--	<0.0307	148
SB-36	0 - 0.5	12/05/2023	--	--	--	--	--	8.1583 J3J6J	12.7 J
	2 - 2.5	12/05/2023	--	--	--	--	--	2.47 J	19.2 J
	4 - 4.5	12/05/2023	--	--	--	--	--	0.837 J	74.2

Legend:

Bold and italicized analytes exceeds NMAC Standards

"--" indicates not analyzed

F1: MS and/or MSD recovery exceeds control limits

F2: MS/MSD RPD exceeds control limits

J: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

J3: The associated batch QC was outside the established quality control range for precision.

J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low.

H : Sample was prepped or analyzed beyond the specified holding time

B: Compound was found in the blank and sample

V: The sample concentration is too high to evaluate accurate spike recoveries.

'<' indicates the analyte was not detected at or above the Method Detection Limit (MDL)

HA: Hand Auger Sample Location

SB: Soil Boring Sample Location

bgs: below ground surface

mg/kg: Milligram per Kilogram

BTEX : Benzene, Toluene, Ethylbenzene, and Total Xylenes

NMAC : New Mexico Administration Code

TPH GRO: Total Petroleum Hydrocarbons Gasoline Range Organics

TPH MRO: Total Petroleum Hydrocarbons Motor Oil Range Organics

TPH DRO: Total Petroleum Hydrocarbon Diesel Range Organics

" " " : Indicates one foot

" : Indicated inches

Notes:

1. Chloride analyzed by EPA Method 300

2. TPH analyzed by EPA Method 8015D

3. BTEX analyzed by EPA Method 8260C

4. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)

Table 2
Summary Groundwater Analytical Data
Chevron Environmental Management Company
Onsurez #2
Lea County, New Mexico



Sample I.D. No.	Date	Organic Compounds				Total Petroleum Hydrocarbons			Groundwater Quality	
		Benzene	Ethylbenzene	Toluene	Xylenes	C6-C10	C-10-C28	C28-C36	Chloride	Total Dissolved Solids
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC Human Health Standards for Groundwater ¹										
		0.005	0.75	0.75	0.62	--	--	--	250	1,000
Units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TMW-1	12/04/23	<0.000190	<0.000160	<0.000412	<0.000510	0.314	0.429 B	0.174 B	10,700	16,600

Legend:

Bold and *italicized* values indicate concentrations above NMWQCC Other Standards.

NMWQCC Human Health Standards Per NMAC 20.6.2.3103A.

'<' indicates the analyte was not detected at or above the Method Detection Limit (MDL)

mg/L: Milligram per Litre

B: The same analyte is found in the associated blank

BTEX : Benzene, Toluene, Ethylbenzene, and Total Xylenes

NMAC : New Mexico Administration Code

' : Indicates one foot

USEPA = United States Environmental Protection Agency

Notes:

1. Chloride analyzed by USEPA Method 300.0

2. TPH analyzed by USEPA Method 8015D

3. BTEX analyzed by USEPA Method 8260C

4. Total Petroleum Hydrocarbons (TPH) - Gasoline Range Organics (GRO) [C6-C10] analyzed by (GC) Method 8015

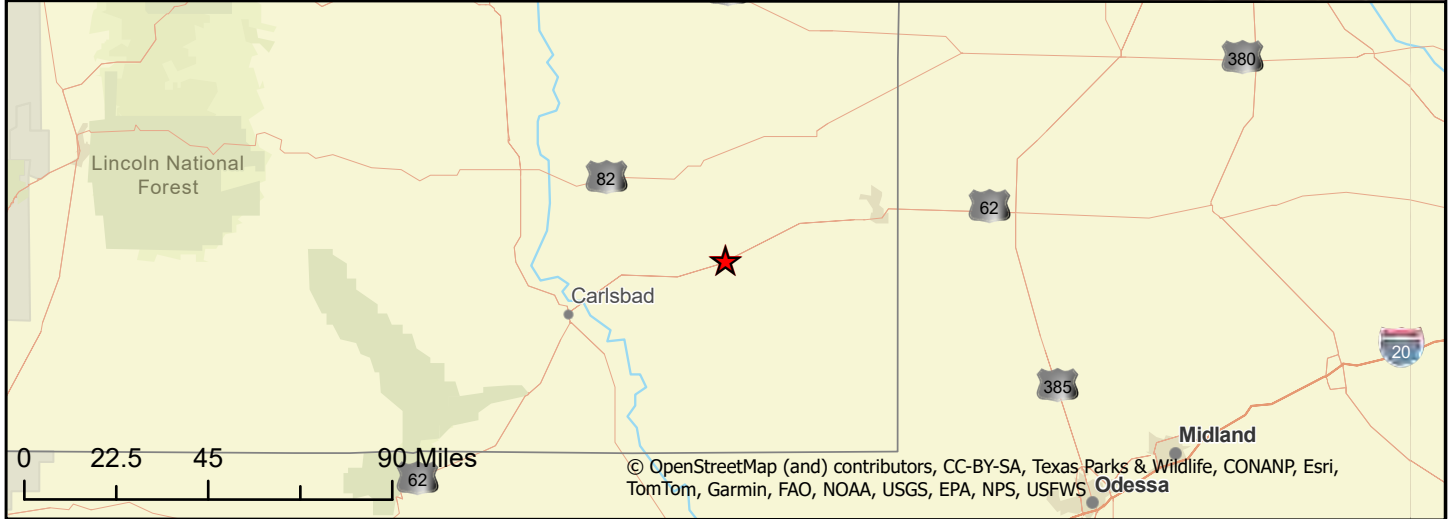
4. Total Petroleum Hydrocarbons (TPH) - Diesel Range Organics (DRO) [C10-C28] and Oil Range Organics (ORO) [C28-36] analyzed by (GC) Method 8015M

5. Total Dissolved Solids analyzed by Method 2540 C-2011

6. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)

Figures

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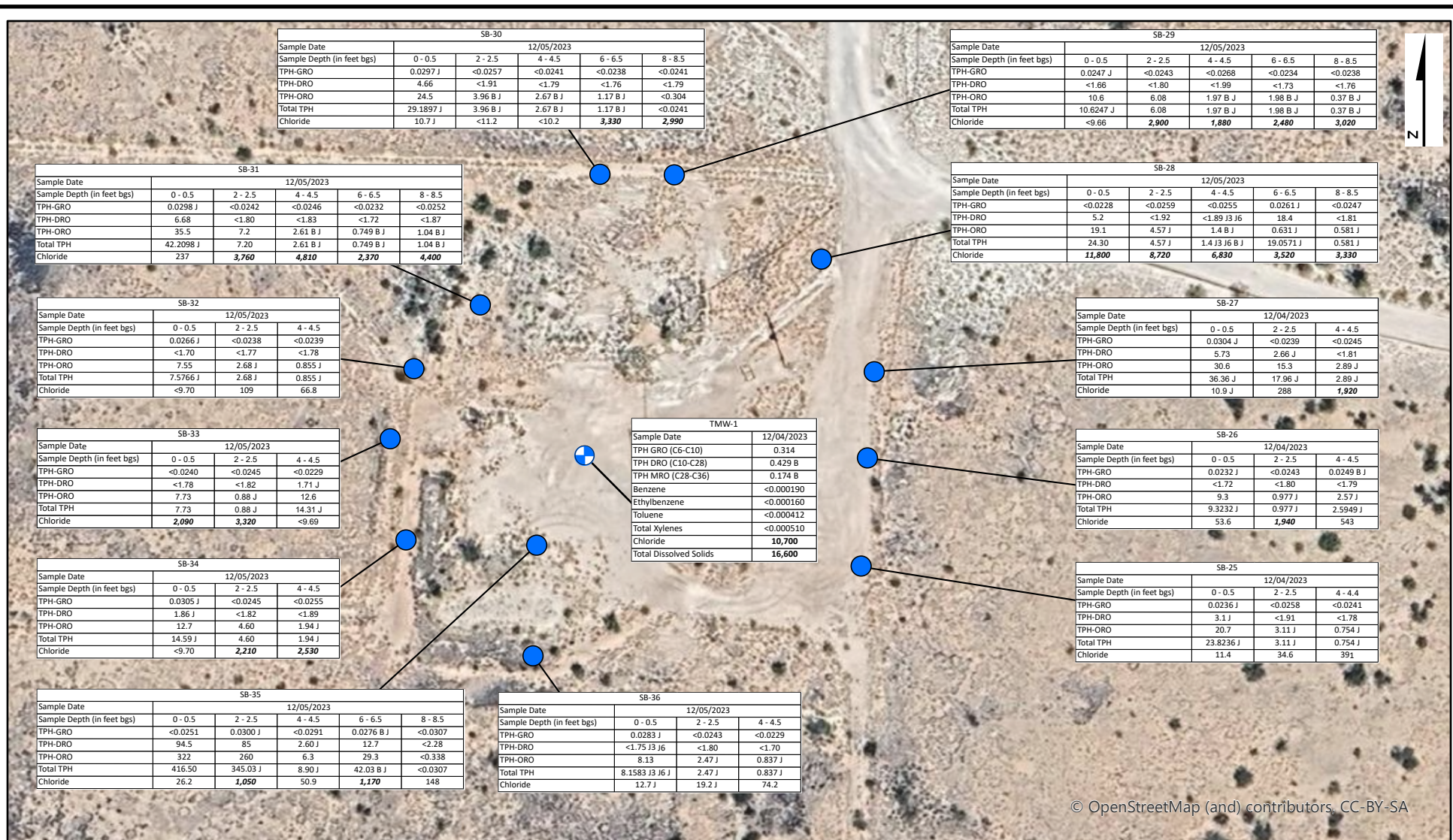
Notes:
 1. Datum: D_WGS_1984
 2. Site Location: 32.574947°, -103.670457°

Chevron Environmental Management Company
 WTU #622
 Lea County, New Mexico

SITE LOCATION MAP



FIGURE
 1



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Legend

- Soil Sample Locations
- Temporary Monitoring Well Locations

Note:

- Datum: GCS_WGS_1984
- Site Location: 32.574947°, -103.670457°

Notes:

- Bold** and italicized results exceeds the Restoration requirement
- < indicates the analyte was not detected at or above the Method Detection Limit (MDL)
- B The same analyte is found in the associated blank.
- J The identification of the analyte is acceptable; the reported value is an estimate.
- J3 The associated batch QC was outside the established quality control range for precision.
- J6 The sample matrix interfered with the ability to make any accurate determination; spike value is low.
- TPH GRO Indicates Total Petroleum Hydrocarbons Gasoline Range Organics.
- TPH DRO Indicates Total Petroleum Hydrocarbon Diesel Range Organics.
- TPH ORO Indicates Total Petroleum Hydrocarbons Oil Range Organics
- Chloride analyzed by EPA Method 9056A
- TPH analyzed by EPA Method 8015B
- Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)
- All soil analytical results reported in milligrams per kilograms (mg/kg)
- All groundwater analytical results reported in milligrams per Liter (mg/L).
- bgs = below ground surface
- NMWCQC = New Mexico Water Quality Control Commission

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
WTU #622
LEA COUNTY, NEW MEXICO

SOIL AND GROUNDWATER ANALYTICAL RESULTS MAP

ARCADIS | **FIGURE 2**

Document Path: T:\ENM\Chevron\WTU #622\ID-Project\Working_Vac_Pro\2023\2023 Subsequent_Soil_Assessment_Investigation.aprx Date: 4/17/2024 User: sk01076

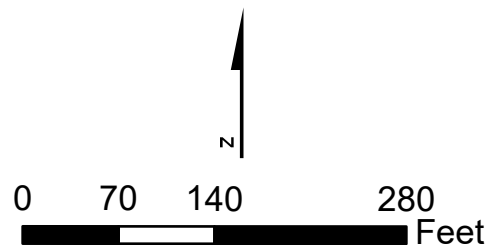


Legend

- Proposed Background Soil Boring Location

Note:

1. Datum: GCS_WGS_1984
2. Site Location: 32.574947°, -103.670457°



CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
WTU #622
LEA COUNTY, NEW MEXICO

PROPOSED BACKGROUND TEMPORARY MONITORING WELL LOCATIONS MAP

 **ARCADIS** | **FIGURE 3**

Arcadis U.S., Inc.
10205 Westheimer Road, Suite 800
Houston, TX 77042
United States
Phone: 713 953 4800
Fax: 713 977 4620
www.arcadis.com

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 388685

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 388685
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Subsequent Soil and Groundwater Assessment Report is satisfactory for approval. Please continue to conduct ongoing groundwater and soil investigations as prescribed in this plan. Proposed Monitoring Wells are in satisfactory locations, away from any obstructions, such as pipelines and far enough away from disturbances, such as roads. and heavy equipment. Please submit results and findings to OCD on or before April 1, 2025.	1/31/2025