

Citation Oil Gas Corp.
Speaker Unit Compressor - CIT.CO.1054
Attachment C - Analytical Summary



Table 915-1		Sample Type	Background		Confirmation Samples																	
		Sample ID	SPKR COMP BG@2"	SPKR COMP BG@3"	SPKR AST1_ 1@8"	SPKR AST1_ 2@10"	SPKR AST1_ 3@1"	SPKR AST1_ 4@16"	SPKR AST1_ 5@18"	SPKR AST1_ UNDER TANK@10"	SPKR AST1_NW_ LEAK@6"	SPKR AST2_ 1@10"	SPKR AST2_ 2@12"	SPKR AST2_ 3@18"	SPKR AST2_ 4@16"	SPKR AST2_ 5@18"	SPKR AST2_ UNDER TANK@10"	SPKR AST1_ 4@24"	SPKR AST1_ Under Tank@24"	SPKR- AST1_ NWLEAK- 1@24"	SPKR- AST1_ NWLEAK- 2@24"	SPKR- AST1_ NWLEAK- 3@24"
Contaminant of Concern	Concentrations	Depth - BGS (inches)	24	36	8	10	12	16	18	10	6	10	12	18	16	18	10	24	24	24	24	24
		Date Sampled	12/2/2024	1/23/2025	12/2/2024														1/23/2025			
Organic Compounds in Soil	RSSL	Units																				
TPH-TVPH (Gasoline Range Organics-C6-C10)	500	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	7.03	ND	ND	0.401	ND	ND	ND	0.397	ND	ND	ND	ND
TPH-TEPH (Diesel Range Organics-C10-C28)	500	mg/kg	NA	NA	60.5	47.5	33.9	149	59.3	174	1170	79.0	ND	142	63.4	51.8	ND	ND	ND	ND	ND	ND
TPH-ORO (Oil Range Organics-C28-C40)	500	mg/kg	NA	NA	134	113	ND	382	173	344	1260	150	ND	219	170	103	ND	ND	ND	ND	ND	ND
Total TPH (GRO+DRO+ORO)	500	mg/kg	NA	NA	195	161	33.9	531	232	518	2437	229	ND	361	233	155	ND	0.397	ND	ND	ND	ND
Benzene	1.2	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	490	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.8	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	58	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	30	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	27	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	0.00220	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	360	mg/kg	NA	NA	0.00705	ND	ND	ND	ND	ND	0.0134	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1800	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(A)anthracene	1.1	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00187	ND	ND
Benzo(B)fluoranthene	1.1	mg/kg	NA	NA	0.0108	ND	ND	0.00189	ND	ND	0.0179	ND	ND	ND	ND	0.00189	ND	ND	ND	ND	ND	ND
Benzo(K)fluoranthene	11	mg/kg	NA	NA	0.00223	ND	ND	ND	ND	ND	0.00344	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(A)pyrene	0.11	mg/kg	NA	NA	0.00483	ND	ND	ND	ND	ND	0.00585	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	110	mg/kg	NA	NA	0.0412	0.00341	0.00385	0.00719	ND	ND	0.0647	0.00334	0.00227	0.00312	0.00363	0.00453	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	0.11	mg/kg	NA	NA	0.00334	ND	ND	ND	ND	ND	0.00344	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	240	mg/kg	NA	NA	0.00965	ND	ND	ND	ND	ND	0.0148	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	240	mg/kg	NA	NA	0.0479	ND	ND	ND	ND	ND	0.0788	0.00376	ND	0.00234	0.00363	0.00226	ND	ND	ND	0.00187	ND	ND
Indeno(1,2,3,C,D)pyrene	1.1	mg/kg	NA	NA	0.00446	ND	ND	ND	ND	ND	0.00378	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	18	mg/kg	NA	NA	0.0219	ND	ND	ND	ND	ND	0.222	0.0109	ND	0.00546	0.00690	0.00415	ND	ND	ND	0.00262	ND	ND
2-Methylnaphthalene	24	mg/kg	NA	NA	0.00520	ND	ND	ND	ND	ND	0.0939	0.00334	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	2	mg/kg	NA	NA	0.00260	ND	ND	ND	ND	ND	0.0158	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	180	mg/kg	NA	NA	0.0238	ND	ND	0.00303	ND	ND	0.0330	ND	ND	ND	ND	0.00226	ND	ND	ND	ND	ND	ND
Reclamation	RSSL	Units																				
Electrical Conductivity (EC)	<4 mmhos/cm	mmhos/cm	0.289	0.199	0.570	0.386	0.407	0.400	0.796	0.296	5.84	0.955	1.28	2.65	1.29	0.511	0.437	0.862	0.504	0.624	0.208	0.224
Sodium Adsorption Ratio (SAR)	< 6	ratio	0.111	0.273	7.4	4.64	3.77	3.96	9.48	3.48	13.1	7.34	5.67	10.7	4.30	13.7	4.83	9.10	13.2	3.14	0.598	3.39
pH	6.0-8.3	su	7.39	8.37	8.20	8.26	7.44	8.17	7.96	8.34	7.52	8.05	7.65	7.86	7.89	7.99	8.12	8.19	7.85	7.65	7.55	7.29
Boron (Hot Water Soluble)	2	mg/l	ND	ND	0.807	0.439	0.106	0.395	0.242	ND	0.42	0.308	0.280	0.543	0.318	0.366	0.128	0.470	ND	ND	ND	ND
Metals in Soils	RSSL	Units																				
Arsenic	0.68	mg/kg	3.02	2.28	2.16	2.50	1.38	2.00	2.230	1.25	2.93	3.26	2.59	2.26	2.86	2.39	2.14	3.74	3.30	3.61	3.35	2.78
Barium	15,000	mg/kg	123	79.0	81.9	79.9	56.5	235	86.7	31.8	62.2	85.8	73.8	79.5	92.0	72.9	61.4	85.5	72.7	108.0	83.6	79.2
Cadmium	71	mg/kg	0.164	0.163	ND	ND	ND	0.134	0.124	ND	ND	ND	ND	ND	ND	0.104	0.101	0.0891	0.119	0.113	0.102	0.0990
Chromium (Hexavalent)	0.3	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	3,100	mg/kg	9.36	ND	ND	ND	ND	ND	ND	ND	29.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	400	mg/kg	8.31	2.97	6.92	5.92	4.66	8.07	6.04	2.18	8.11	6.31	6.48	5.38	5.330	6.72	6.36	10.2	5.43	6.99	5.11	5.15
Nickel	1,600	mg/kg	8.91	3.43	5.73	5.19	4.08	7.51	5.46	2.25	16.1	5.86	5.950	4.81	5.07	5.52	3.59	5.24	4.50	8.04	6.29	6.35
Selenium	390	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	390	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	23,000	mg/kg	40.3	ND	39.5	ND	ND	36.1	ND	ND	90.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES

Concentrations in red font exceed Table 915-1 levels	mg/L - milligram per liter or ppm	NA - Not Analyzed
mg/kg - milligrams per kilogram	su - standard unit	ND - Not Detected
mmhos/cm - millimhos per centimeter	TPH - Total Petroleum Hydrocarbons	BGS - Below ground surface
RSSL - Residential Soil Screening Level Concentrations	SAR - Sodium Adsorption Ratio	