

State 44-36 Battery - Soil Sample Results Table

Contaminant of Concern	Unit	915-1		10/15/24										10/30/24						
				E Sep 18"	S Sep 18"	W Oil Tank 18"	E Oil Tank 18"	PW E - 4'	PW W - 4'	PW N - 4'	PW S - 4'	PW Floor - 5'	Background 1 - 4'	PW E - 4'	PW W - 4'	PW N - 4'	PW S - 4'	PW Floor - 5'	Background 2 - 4'	
				40.265610, - 104.948079 PID: 0.0 ppm	40.265575, - 104.948033 PID: 0.0 ppm	40.265508, - 104.947526 PID: 0.1 ppm	40.265498, - 104.947471 PID: 0.8 ppm	40.265521, - 104.947552 PID: 0.2	40.265528, - 104.947577 PID: 0.0	40.265535, - 104.947561 PID: 0.1	40.265515, - 104.947570 PID: 0.0	40.265524, - 104.947566 PID: 0.0	40.265744, - 104.947868 PID: 0.0 ppm	40.265522*, - 104.947551	40.265528, - 104.947577	40.265535, - 104.947561	40.265513, - 104.947571	40.265524, - 104.947566	40.265376, - 104.948050 PID: 0.0 ppm	
Calcium	meq/L	-	-	3.69	3.93	9.47	5.04	6.86	1.79	2.1	1.3	2.25	8.72	6.76	-	-	4.88	-	-	
Magnesium	meq/L	-	-	1.01	1.18	3.32	2.22	1.09	0.9	1.05	0.74	2.9	2.72	5.21	-	-	3.22	-	-	
Sodium	meq/L	-	-	1.23	0.50	1.15	1.16	75.07	0.77	0.32	10.65	0.91	0.69	4.39	-	-	4.54	-	-	
SAR	-	6	6	0.80	0.31	0.46	0.61	37.67	0.66	0.26	10.54	0.57	0.29	1.80	-	-	2.26	-	-	
Specific Conductance (EC)	mmhos/cm	4	4	0.61	0.57	1.41	0.87	10.32	0.34	0.33	1.63	0.6	1.1	1.572	-	-	-	-	-	
Chromium, Hexavalent	mg/kg	0.3	0.00067	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	ND	<0.08	-	-	-	-	-	
Boron	mg/l	2	2	0.24	0.23	0.18	0.61	7.97	0.29	0.44	0.35	0.4	0.56	0.17	-	-	-	-	-	
pH	-	8.3	8.3	8.3	8.2	8.0	8.2	8.5	8.3	8.3	8.5	8.3	7.56	7.98	-	-	8.05	-	-	
Arsenic	mg/kg	0.68	0.29	4.19	3.9	4.23	4.66	5.05	5.18	5.34	4.59	4.83	4.56	6.05	6.19	5.4	-	4.83	6.25	
Barium	mg/kg	15000	82	70.37	72.67	74.7	153.68	108.1	101.07	115.27	95.77	65.42	92.99	-	-	-	-	-	-	
Cadmium	mg/kg	71	0.38	0.12	0.12	0.12	0.15	0.09	0.12	0.12	0.12	0.06	0.16	-	-	-	-	-	-	
Copper	mg/kg	3100	46	13.56	13.63	14.29	12.45	12.37	12.5	13.18	11.75	11.18	16.09	-	-	-	-	-	-	
Lead	mg/kg	400	14	7.97	5.26	5.51	6.27	6.11	6.35	6.68	5.83	5.51	7.3	-	-	-	-	-	-	
Nickel	mg/kg	1500	26	8.44	8.5	9.27	11.25	11.21	11.4	11.96	10.39	10.65	10.45	-	-	-	-	-	-	
Selenium	mg/kg	390	0.26	3.06	2.45	2.44	2.62	2.9	2.91	2.86	2.79	2.21	3	-	-	-	-	-	-	
Silver	mg/kg	390	0.8	<0.03	<0.03	<0.25 - RL1	<0.25 - RL1	<0.03	<0.03	<0.25 - RL1	<0.03	<0.25 - RL1	<0.25 - RL1	-	-	-	-	-	-	
Zinc	mg/kg	23000	370	28.57	29.11	29.89	35.47	33.98	35.72	37.55	33.3	29.74	39.1	-	-	-	-	-	-	
Diesel (C10-C28)	mg/kg	500	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	
Residual Range Organics (C28-C40)	mg/kg	500	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	
Gasoline Range Hydrocarbons	mg/kg	500	500	<0.27	ND	ND	<0.27	ND	ND	ND	ND	<0.27	-	-	-	-	-	-	-	
1-Methylnaphthalene	mg/kg	18	0.006	ND	ND	ND	ND	<0.010	ND	ND	ND	ND	-	-	-	-	-	-	-	
2-Methylnaphthalene	mg/kg	24	0.019	ND	ND	ND	ND	<0.010	ND	<0.010	ND	ND	-	-	-	-	-	-	-	
Acenaphthene	mg/kg	360	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	
Anthracene	mg/kg	1800	5.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	
Benzo(a)anthracene	mg/kg	1.1	0.011	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	
Benzo(a)pyrene	mg/kg	0.11	0.24	<0.010	ND	ND	ND	<0.010	ND	ND	<0.010	ND	-	-	-	-	-	-	-	
Benzo(b)fluoranthene	mg/kg	1.1	0.3	ND	ND	<0.010	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	
Benzo(k)fluoranthene	mg/kg	11	2.9	ND	ND	<0.010	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	
Chrysene	mg/kg	110	9	<0.010	<0.010	<0.010	<0.010	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	
Dibenz(a,h)anthracene	mg/kg	0.11	0.096	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	
Fluoranthene	mg/kg	240	8.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	
Fluorene	mg/kg	240	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	
Indeno(1,2,3-cd)pyrene	mg/kg	1.1	0.98	ND	ND	<0.010	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	
Naphthalene	mg/kg	2	0.0038	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	
Pyrene	mg/kg	180	1.3	<0.010	ND	<0.010	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	
1,2,4-Trimethylbenzene	mg/kg	30	0.0081	<0.0250	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	-	-	-	-	-	-	-	
1,3,5-Trimethylbenzene	mg/kg	27	0.0081	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	-	-	-	-	-	-	-	
Benzene	mg/kg	1.2	0.0026	ND	<0.0024	ND	<0.0024	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	
Ethylbenzene	mg/kg	5.8	0.78	ND	ND	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	ND	-	-	-	-	-	-	-	
m&p Xylene				<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	-	-	-	-	-	-	-	
o xylene				<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	-	-	-	-	-	-	-	
Toluene	mg/kg	490	0.69	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	-	-	-	-	-	-	-	
Xylenes, total	mg/kg	58	9.9	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	-	-	-	-	-	-	-	