

Maudlin Gulch Unit #12 August 6th, 2022 spill
Soil Analysis Summary

Analyte	Table 915 Standard	M#12 N	M#12 S	M#12 E	M#12 W	M#12 V	M#12 Background
*EC	<4	5.9	2.8	5.0	0.6	5.1	0.7
*SAR	<6	9.0	6.6	2.5	0.1	21.2	0.2
*pH	6-8.3	7.7	7.8	7.6	7.4	7.8	7.6
*boron	2	0.4	0.7	0.5	0.4	0.6	0.3
TPH	500	108	44	50	38	7	17
benzene	1.2	nd	nd	nd	nd	nd	nd
toluene	490	nd	nd	nd	nd	nd	nd
ethylbenzene	5.8	nd	nd	nd	nd	nd	nd
xylene	58	nd	nd	nd	nd	nd	nd
1,2,4-trimethylbenzene	30	nd	nd	nd	nd	nd	nd
1,3,5-trimethylbenzene	27	nd	nd	nd	nd	nd	nd
acenaphthene	360	nd	nd	nd	nd	nd	nd
anthracene	1800	nd	nd	nd	nd	nd	nd
benzo(a)anthracene	1.1	1.4	nd	nd	nd	nd	nd
benzo(b)fluoranthene	1.1	1.8	nd	nd	nd	nd	nd
benzo(k)fluoranthene	11	0.98	nd	nd	nd	nd	nd
benzo(a)pyrene	0.11	1.6	nd	nd	nd	nd	nd
chrysene	110	1.7	nd	nd	nd	nd	nd
dibenzo(a,h) anthracene	0.11	nd	nd	nd	nd	nd	nd
fluoranthene	240	2.7	nd	nd	nd	nd	nd
fluorene	240	nd	nd	nd	nd	nd	nd
ideno(1,2,3-cd)pyrene	1.1	1.3	nd	nd	nd	nd	nd
1-methylnaphthalene	18	nd	nd	nd	nd	nd	nd
2-methylnaphthalene	24	nd	nd	nd	nd	nd	nd
naphthalene	2	nd	nd	nd	nd	nd	nd
pyrene	180	2.6	nd	nd	nd	nd	nd
arsenic	0.68	7.2	6.3	5.6	4.7	4.5	4.8
barium	15000	163	190	196	185	82	88
cadmium	71	nd	nd	nd	nd	nd	nd
chromium (VI)	0.3	nd	nd	nd	nd	nd	nd
copper	3100	11	17	49	18	12	12
lead	400	14	30	49	46	13	24
nickel	1500	9	12	16	15	11	11
selenium	390	nd	nd	nd	nd	nd	nd
silver	390	nd	nd	nd	nd	nd	nd
zinc	23000	42	74	83	108	48	62

* standards to determine suitability for reclamation
nd - below method detection limits - see analysis data