State 16 SWSE 3054 API: 05-071-09922		Date of Sample				BNL (Enterprise) Inc			
CLEANUP CONCENTRATIONS		E16-WH1	E16-WH2	E16-WH3	E16-WH4	E16-BG1	E16-BG2	E16-CT1	E16-CT2
		5/21/2024	5/21/2024	5/22/2024	5/22/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024
Contaminant of Concern	**Concentrations**								
Soil TPH (total volatile [C6-C10] and extractable [C10- C36] hydrocarbons)	500mg/kg	2270	971	ND	ND	ND	ND	ND	ND
Soils and Groundwater - liquid hydrocarbons including condensate and oil	below visual detection limits	NA	NA	NA	NA	NA	NA	NA	NA
Soil Suitability for Reclamation									
Electrical conductivity (EC) (by saturated paste method)	<4mmhos/cm	2.26	2.62	0.87	0.93	1.46	1.35	2.63	2.38
Sodium adsorption ratio (SAR) (by saturated paste method)	<6	1.33	1.87	0.98	0.80	0.25	0.24	2.00	1.92
pH (by saturated paste method)	6–8.3	8.06	7.75	8.15	8.06	8.14	8.06	8.01	8.16
boron (hot water soluble soil extract)	2mg/l	0.568	0.431	0.33	0.412	0.918	0.862	0.731	0.804
Organic Compounds in Groundwater									
benzene	5µg/l	ND	ND	ND	ND	ND	ND	ND	ND
toluene	560 to 1,000µg/l	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	700µg/l	ND	ND	ND	ND	ND	ND	ND	ND
xylenes (sum of o-, m- and p- isomers = total xylenes)	1,400 to 10,000µg/l	ND	ND	ND	ND	ND	ND	ND	ND
naphthalene	140µg/l	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trimethylbenzene	67µg/l	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-trimethylbenzene	67µg/l	ND	ND	ND	ND	ND	ND	ND	ND
Groundwater Inorganic Parameters									
total dissolved solids (TDS)	<1.25 X local background	NA	NA	NA	NA	NA	NA	NA	NA
chloride ion	250mg/l or <1.25 X local background	NA	NA	NA	NA	NA	NA	NA	NA
sulfate ion	250mg/l or <1.25 X local background	NA	NA	NA	NA	NA	NA	NA	NA

Soils	Residential Soil Screening Level Concentrations (mg/kg)	Protection of Groundwater Soil Screening Level Concentrations (mg/kg)							
Organic Compounds in Soils									
benzene	1.2	0.0026 (M)	ND	ND	ND	ND	ND	ND	ND	ND
toluene	490	0.69 (M)	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	5.8	0.78 (M)	ND	ND	ND	ND	ND	ND	ND	ND
xylenes (sum of o-, m- and p- isomers = total xylenes)	58	9.9 (M)	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trimethylbenzene	30	0.0081 (R)	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-trimethylbenzene	27	0.0087 (R)	ND	ND	ND	ND	ND	ND	ND	ND
acenaphthene	360	0.55 (R)	0.024	0.025	ND	ND	ND	ND	ND	ND
anthracene	1800	5.8 (R)	0.028	0.028	ND	ND	ND	ND	ND	ND
benz(a)anthracene	1.1	0.011 (R)	0.023	0.076	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	1.1	0.3 (R)	ND	0.055	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	11	2.9 (R)	ND	0.024	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	0.11	0.24 (M)	ND	0.03	ND	ND	ND	ND	ND	ND
chrysene	110	9 (R)	0.045	0.135	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	0.11	0.096 (R)	ND	ND	ND	ND	ND	ND	ND	ND
fluoranthene	240	8.9 (R)	0.06	0.274	ND	ND	ND	ND	ND	ND
fluorene	240	0.54 (R)	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	1.1	0.98 (R)	ND	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	18	0.006 (R)	0.327	0.433	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	24	0.019 (R)	0.337	0.554	ND	ND	ND	ND	ND	ND
naphthalene	2	0.0038 (R)	0.064	0.1	ND	ND	ND	ND	ND	ND
pyrene	180	1.3 (R)	0.067	0.26	ND	ND	ND	ND	ND	ND
Metals in Soils									
arsenic	0.68	0.29 (M)	12.50	8.70	8.73	10.1	10.2	9.78	8.65	8.49
barium	15000	82 (M)	128	118	143	142	194	198	168	182
cadmium	71	0.38 (M)	0.333	0.317	0.268	0.307	0.331	0.35	0.211	0.217
chromium (VI)	0.3	0.00067 (R)	ND	0.25	ND	ND	ND	ND	ND	ND
copper	3100	46 (M)	41	35.4	17	17.6	19.7	21	16.2	17.7
lead	400	14 (M)	22.80	13.30	13.50	15.10	15.20	16.90	15.20	15.10
nickel	1500	26 (R)	23.7	19.4	20.0	20.0	24.2	26.3	18.3	19.4
selenium	390	0.26 (M)	1.16	1.22	0.88	1.14	1.08	0.93	1.09	1.26
silver	390	0.8 (R)	0.248	ND	ND	ND	ND	ND	ND	ND
zinc	23000	370 (R)	99.5	65	73	74	84	87	74	73

The letter "(**R**)" following a protection of Groundwater soil screening level indicates the concentration is derived from a risk-based approach. The letter "(**M**)" following a protection of Groundwater soil screening level indicates the concentration is derived from the drinking water MCL.