

[illegible]

Table 2									
Summary of Groundwater Chemical Analytical Data									
Evans Creek Relocation									
Redmond, Washington									
Sample Location ^{1, 2}	MTCA Groundwater Cleanup Level ³ (µg/L)	Background Level ⁴	GEI-1	GEI-2	GEI-3	GEI-4	GEI-5	GEI-7	GEI-8
Sample ID			MW-1-021722	MW-2-021722	MW-3-021722	MW-4-021722	MW-5-021722	MW-7-021822	MW-8-021822
Sample Date			02/17/22	02/17/22	02/17/22	02/17/22	02/17/22	02/18/22	02/18/22
Petroleum Hydrocarbons by NWTPH-Gx and NWTPH-Dx									
Gasoline-Range (µg/L)	800/1000 ⁵	NE	ND	ND	ND	ND	ND	ND	ND
Diesel-Range (mg/L)	500	NE	ND	ND	ND	ND	ND	ND	ND
Oil-Range (mg/L)	500	NE	ND	ND	ND	ND	ND	0.37	ND
Volatile Organic Compounds (VOCs) by EPA 8260D ⁶ (µg/L)									
Acetone	7200	NE	ND	ND	ND	7.9	ND	11	ND
Carbon disulfide	800	NE	ND	ND	ND	ND	0.32	0.23	ND
isopropyltoluene;p-	NE	NE	ND	ND	ND	ND	ND	0.27	ND
Naphthalene	160	NE	ND	ND	ND	ND	ND	1.1	2.9
Total Metals by EPA Methods 6020B, 7471, 200.8 and 245.1 (µg/L)									
Arsenic	5	7	160	27	29	11	310	37	40
Barium	3,200	NE	1600	440	290	94	1000	100	180
Cadmium	5	1	ND	ND	ND	ND	6.5	ND	ND
Chromium	50 ⁸	48	770	170	120	31	280	28	57
Lead	15	24	95	24	15	5.3	71	5.3	15
Mercury	2	0.07	3.1	0.89	ND	ND	3.1	ND	ND
Selenium	80	NE	16	ND	ND	ND	15	ND	ND
Silver	80	NE	ND	ND	ND	ND	ND	ND	ND
Dissolved Metals by EPA Methods 6020B, 7471, 200.8 and 245.1 (µg/L)									
Arsenic	5	7	6.4	3.9	ND	ND	ND	26	22
Barium	3,200	NE	ND	ND	ND	ND	ND	26	ND
Cadmium	5	1	ND	ND	ND	ND	ND	ND	ND
Chromium	50 ⁸	48	ND	ND	ND	ND	ND	ND	ND
Lead	15	24	ND	ND	ND	ND	ND	ND	ND
Mercury	2	0.07	ND	ND	ND	ND	ND	ND	ND
Selenium	80	NE	ND	ND	ND	ND	ND	ND	ND
Silver	80	NE	ND	ND	ND	ND	ND	ND	ND
Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270D (SIM) (µg/L)									
Naphthalene	160	NE	ND	ND	ND	ND	ND	0.26	1.7
2-Methylnaphthalene	32	NE	ND	ND	ND	ND	ND	0.18	2.8
1-Methylnaphthalene	560	NE	ND	ND	ND	ND	ND	0.14	1.3
Naphthalenes	160	NE	ND	ND	ND	ND	ND	0.58	5.8
Acenaphthylene	NE	NE	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	480	NE	ND	ND	ND	ND	ND	ND	1.7
Fluorene	320	NE	ND	ND	ND	ND	ND	ND	0.89
Phenanthrene	NE	NE	ND	ND	ND	ND	ND	0.22	1.3
Anthracene	2,400	NE	ND	ND	ND	ND	ND	ND	0.18
Fluoranthene	640	NE	ND	ND	ND	ND	ND	ND	0.41
Pyrene	240	NE	ND	ND	ND	ND	ND	0.13	0.28
Benzo[a]anthracene	NE	NE	ND	ND	ND	ND	ND	0.028	0.073
Chrysene	NE	NE	ND	ND	ND	ND	ND	0.034	0.052
Benzo[b]fluoranthene	NE	NE	ND	ND	ND	ND	ND	0.027	0.034
Benzo[j,k]fluoranthene	NE	NE	ND	ND	ND	ND	ND	ND	0.014
Benzo[a]pyrene	0.1	NE	ND	ND	ND	ND	ND	0.028	0.023
Indeno(1,2,3-c,d)pyrene	NE	NE	ND	ND	ND	ND	ND	0.015	ND
Dibenz[a,h]anthracene	4,800	NE	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	NE	NE	ND	ND	ND	ND	ND	0.015	ND
Total cPAHs (TEQ) ¹¹	0.100	NE	ND	ND	ND	ND	ND	0.036	0.037
Notes:									
¹ Sample locations are shown on Figure 1.									
² Chemical analytical testing completed by Onsite Environmental in Redmond, Washington.									
³ Model Toxics Control Act (MTCA) Method A Groundwater Cleanup Level for Unrestricted Land Use. MTCA Method B Groundwater Cleanup Levels are used when no Method A Cleanup Level is available.									
⁴ Natural Background Soil Metals Concentrations for the Puget Sound Region, Ecology Publication 94-115.									
⁵ Gasoline cleanup level is 800 ug/L if benzene is present.									
⁶ Volatile Organic Compounds (VOCs) analyzed by Environmental Protection Agency's (EPA) Method 8260. Only detected VOCs are presented in the table, for the complete list of VOC's analyzed, see the laboratory report.									
⁸ Cleanup level is for Total Chromium.									
bgs = below ground surface									
EPA = U.S. Environmental Protection Agency									
- = Not tested									
ug/L = micrograms per liter									
MTCA = Model Toxics Control Act									
ND = not detected									
Bold indicates analyte was detected.									
Shading indicates analyte was detected at a concentration greater than the MTCA groundwater cleanup level.									