

Table 1
Summary of Soil Field Screening and Soil Chemical Analytical Data - PAHs
City of Redmond 164th Ave NE Extension Hazardous Materials Cleanup
Redmond, Washington

Sample ID ¹	Sample Date	Depth (ft bgs)	Sample Location	Non-Carcinogenic PAHs ² (mg/kg)									cPAHs ³ (mg/kg)
				Total Naphthalenes	Acenaph- thylene	Acenaph- thene	Fluorene	Phenan- threne	Anthracene	Fluoran- thene	Pyrene	Benzo[g,h,i] perylene	
Site Assessment Samples													
GEI-1 S1 @ 2.5 FT	05/04/11	2.5	Site 2	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	ND (<0.00577)
GEI-1 S2 @ 5 FT	05/04/11	5.0	Site 2	<0.0070	<0.0070	<0.0070	<0.0070	<0.0070	<0.0070	<0.0070	<0.0070	<0.0070	ND (<0.00511)
GEI-2 S1 @ 2.5 FT	05/04/11	2.5	Site 2	0.73	0.030	ND	0.0091	0.20	0.043	0.20	0.19	0.046	0.0986
GEI-2 S2 @ 5 FT	05/04/11	5.0	Site 2	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	ND (<0.00526)
HA-3-2.0	03/16/12	2.0	Site 2	0.0087	<0.0078	<0.0078	<0.0078	<0.0078	<0.0078	<0.0078	0.0078	<0.0078	ND (<0.00569)
Compliance Confirmation Samples													
HA-2-4.0	03/16/12	4.0	Base	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	ND (<0.00548)
EX-1-4.0	09/20/12	4	Base	<0.0070	0.0130	<0.0070	<0.0070	0.030	<0.0070	0.035	0.051	0.0083	0.021
EX-3-2.5	09/20/12	2.5	Side Wall	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	0.010	0.011	<0.0075	0.0066
EX-4-2.5	09/20/12	2.5	Side Wall	<0.0071	<0.0071	<0.0071	<0.0071	0.0084	<0.0071	0.015	0.017	0.013	0.0142
EX-7-2.5	09/26/12	2.5	Side Wall	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	ND (<0.0052)
EX-8-4.0	09/26/12	4	Base	0.0075	<0.0073	<0.0073	<0.0073	0.023	<0.0073	0.034	0.035	0.018	0.0283
EX-9-3.0	10/03/12	3	Side Wall	0.039	<0.0074	<0.0074	<0.0074	0.055	0.0140	0.110	0.110	0.065	0.1094
Overexcavated Samples													
EX-S-25-3	10/20/05	3	2012 Excavation Area	0.079	0.0666	0.1600	0.0282	0.416	0.16	3.08	3.61	0.657	1.615
HA-2-2.0	03/16/12	2.0	2012 Excavation Area	3.32	<0.47	<0.47	0.82	8.9	3.4	9.4	11	5.0	12.62
EX-2-2.5	09/20/12	2.5	2012 Excavation Area	0.285	0.025	<0.0073	0.016	0.081	0.019	0.076	0.092	0.090	0.1137
EX-5-2.5	09/20/12	2.5	2012 Excavation Area	0.076	<0.0077	<0.0077	0.008	0.140	0.027	0.250	0.220	0.110	0.227
EX-6-2.5	09/26/12	2.5	2012 Excavation Area	<0.0071	<0.0071	<0.0071	<0.0071	0.088	0.027	0.320	0.270	0.040	0.1304
Stockpile Soil Samples													
SP-1	09/20/12	N/A	Stockpile	0.100	0.011	<0.0071	0.0089	0.036	0.014	0.037	0.041	0.044	0.0559
SP-2	09/20/12	N/A	Stockpile	0.030	0.0081	<0.0072	<0.0072	0.033	<0.0072	0.052	0.065	0.036	0.0560
SP-3	09/20/12	N/A	Stockpile	0.128	0.042	<0.0071	0.0096	0.087	0.042	0.230	0.330	0.170	3.3610
MTCA Method A or B Cleanup Levels				5	na	na	na	3,200	2,400	830	na	na	0.1 /0.137

Notes:

¹Approximate soil sample locations are indicated in Figure 2. Samples analyzed by OnSite Environmental, Inc. in Redmond, Washington. Laboratory report for September and October 2012 samples included in Appendix B.

²Semivolatile organic compounds (SVOCs) analyzed by EPA Method 8270D. Only compounds detected in one or more samples are presented in the table. See the laboratory report for the full list of compounds analyzed.

³Total carcinogenic PAHs (cPAHs) calculated using the toxicity equivalency (TEQ) methodology specified in WAC 173-340-780(8). cPAHs that were not detected were assigned half the value of the detection limit for these calculations. TEQ calculations are shown in Table 2 for samples obtained in September and October 2012 and in prior reports for March 2012 samples, May 2011 samples and the 2005 excavation sample.

mg/kg = milligrams per kilogram

-- = Not Tested

bgs = below ground surface

na = not applicable.

Bolding indicates analyte was detected. Shading indicates that analyte was detected at concentrations greater than MTCA Method A or B cleanup levels.

Site 2 = Soil sample was obtained from a location outside of the area of contamination where cleanup activities were completed.