

Table 1 - Summary of Analytical Results - Groundwater
 Yarrow Bay Yatch Basin & Marina
 5207 Lake Washington Boulevard NE
 Kirkland, Washington
 ATC Project No. Z076000030

Sample No.	Sample Date	Total Petroleum Hydrocarbons ¹ in µg/L						Volatile Organic Compounds ² in µg/L			
		Diesel	Diesel Range Organics (DRO) C12-C24	Mineral Oil	Heavy Oil	Heavy Fuel Oil	Gasoline Range Hydrocarbons (GRO)	Benzene	Toluene	Ethylbenzene	Xylenes (total)
MW-1-1110	11/04/10	<50	--	--	--	--	<50	<1.0	<1.0	<1.0	<2.0
MW-1-0211	02/10/11	<50	--	<50	2,670	--	<50	<1.0	<1.0	<1.0	<2.0
MW-1-0311	03/07/11	<50	--	<50	2,480	--	<50	<1.0	<1.0	<1.0	<2.0
MW-1-0511	05/27/11	<50.0	232	--	<100	--	<50.0	<1.0	<1.0	<1.0	<2.0
MW-1(-0811)	08/23/11	<51.0	--	--	<102	--	<50.0	<1.0	<1.0	<1.0	<2.0
MW-1(-1111)	11/29/11	<50.0	--	--	<100	--	<50.0	<1.0	<1.0	<1.0	<2.0
MW-1-0212	02/14/12	<50.0	137	--	<100	--	<50.0	<1.0	<1.0	<1.0	<2.0
MW-1(-0512)	05/30/12	655	--	--	<100	--	<50.0	<1.0	<1.0	<1.0	<2.0
MW-1-0812	08/30/12	<50.0	--	--	<100	2,060	<50.0	<1.0	<1.0	<1.0	<2.0
YB-1-01 (MW-1)	09/30/14	312	--	--	<100	--	<50.0	<1.0	<1.0	<1.0	<1.0
YB-2-01 (MW-1)	12/03/14	<50.1	--	--	275	--	<50.0	<1.0	<1.0	<1.0	<1.0
YB-3-01 (MW-1)	02/12/15	<50.0	--	--	1,500	--	<50.0	<1.0	<1.0	<1.0	<1.0
YB-0630 (MW-1)	06/30/15	397	--	--	<100	--	<50.0	<1.0	<1.0	<1.0	<1.0
YB-02-MW1 (MW-1)	09/30/15	484	--	--	<99.9	--	<50.0	<1.0	<1.0	<1.0	<1.0
YB-03-MW1 (MW-1)	12/16/15	<49.9	--	--	327	--	<50.0	<1.0	<1.0	<1.0	<1.0
YB-04-MW1 (MW-1)	02/29/16	<49.9	82.6	--	415	--	<50.0	<1.0	<1.0	<1.0	<1.0
MTCA-Method A Groundwater Cleanup Limit		500	500	500	500	500	800/1,000³	5	1,000	700	1,000

Notes:

µg/L = microgram per liter

-- = not analyzed

MTCA - Washington State Department of Ecology Model Toxics Control Act

Bold denotes concentration at or above regulatory cleanup level

1 = Analytical results by gas chromatography and mass spectrometry by Ecology Methods NWTPH-HCID, NWTPH-Gx, and/or NWTPH-Dx/Extended

2 = Analytical results by gas chromatography and mass spectrometry by United States Protection Agency Method 8260

2 = 800 µg/L cleanup level if benzene present in groundwater; 1,000 µg/L cleanup level when benzene is not detected in groundwater

All analytical results reported in micrograms per liter (µg/L) equivalent to parts per billion (ppb)

Table 2 - Summary of Analytical Results - Sediment
 Yarrow Bay Yatch Basin and Marina
 5207 Lake Washington Boulevard NE
 Kirkland, Washington
 ATC Project No. Z076000030

Sample No.	Sample Date	Total Petroleum Hydrocarbons ¹ in mg/kg						Volatile Organic Compounds ² in mg/kg			
		Gasoline	Gasoline Range Hydrocarbons (GRO)	Diesel (Fuel Only)	Mineral Oil	Heavy Oil	Heavy Fuel Oil	Benzene	Toluene	Ethylbenzene	Xylenes (total)
SD-1	07/13/10	<5.0	<5.0	<20	<40	<50	--	<0.02	<0.05	<0.05	<0.15
SD-2	07/13/10	<5.0	<5.0	<20	<40	<50	--	<0.02	<0.05	<0.05	<0.15
SD-3	07/13/10	<5.0	<5.0	<20	<40	<50	--	<0.02	<0.05	<0.05	<0.15
SD-1-0711	07/26/11	<134*	--	<5,238	--	<1,310*	--	<0.534*	<0.534*	<0.801*	<1.068*
SD-2-0711	07/26/11	<14.0	--	<46.4	--	642	--	<0.0561	<0.0561	<0.0841	<0.112
SD-3-0711	07/26/11	<7.21	--	<23.8	--	<59.4	--	<0.0285	<0.0285	<0.0427	<0.057
SD-1	07/24/12	<5.77	--	<23.3	--	<58.2	<58.2	<0.0231	0.0266	<0.0346	<0.0462
SD-2	07/24/12	<5.43	--	<24.1	--	<60.3	72.1	<0.0217	<0.0217	<0.0326	<0.0434
SD-3	07/24/12	<8.30	--	<28.9	--	<72.3	322	<0.0332*	<0.0332	<0.0498	<0.0664
YB-S-01 (Sediment)	02/12/15	<5.89	--	<22.0	--	<54.9	--	<0.0236	<0.0236	0.0353	<0.0236
YB-S-02 (Sediment)	02/12/15	<4.43	--	<23.9	--	1,120	--	<0.0179	<0.0179	<0.0269	<0.0179
YB-S-03 (Sediment)	02/12/15	<6.28	--	<23.9	--	154	--	<0.0251	<0.0251	<0.0377	<0.0251
YB-02-SD1 (Sediment)	09/30/15	<5.70	--	<22.4	--	<56.0	--	<0.0228	<0.0228	<0.0342	<0.0228
YB-02-SD2 (Sediment)	09/30/15	<6.57	--	<25.4	--	240	--	<0.0263	<0.0263	<0.0394	<0.0263
YB-02-SD3 (Sediment)	09/30/15	<6.12	--	<22.6	--	64.1	--	<0.0245	<0.0245	<0.0367	<0.0245
MTCA Method A soil cleanup level for unresctricted land uses		100/30 ³	100/30 ³	2,000	2,000	2,000	2,000	0.03	7	6	9

Notes:

mg/kg = milligram per kilogram

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-- = not analyzed

Bold denotes concentration at or above regulatory cleanup level

1 = Analytical results by gas chromatography and mass spectrometry by Ecology Methods NWTPH-HCID, NWTPH-Gx, and/or NWTPH-Dx/Extended

2 = Analytical results by gas chromatography and mass spectrometry by United States Environmental Protection Agency Method 8260

3 = 100 mg/kg cleanup level for gasoline mixtures without benzene or BTEX concentration less than 1% of gasoline mixture; 30 mg/kg for all other gasoline mixtures

All analytical results reported in milligrams per kilogram (mg/kg) equivalent to parts per million (ppm)

* - Elevated detection limits are a result of high moisture content within the sample (96.3% moisture by weight)

** - Sediment cleanup values for petroleum hydrocarbons has not been determined by Ecology. Cleanup values for soil have been provided for comparison purposes.