

WELLINGTON OPERATING COMPANY  
WELL 20-3 LABORATORY SUMMARY

Contaminant of Concern	Concentration	Sample Location																															
		Background		Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3					
		Background	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3	Well 20-3					
TPH (total volatile (C6-C10) and extractable (C10-C30) hydrocarbons)	500 mg/kg	72.2	42.9	1021.3	195.2	ND	ND	173.7	18.9	97.4	46.5	22.9	17.6	6.5	2424	1070	570	195	178	70	603	510	670	803	475	471	1364	840	14	38.9	25.5	12.4	< 10.8
Motor Oil Range (C24-C30)		57.4	42.9	4760	97.4	< 10.7	< 10.7	10.8	19.9	61.6	35.3	22.9	18.2	5.5	1850	1140	500	195	156	54	603	549	580	540	398	400	890	688	11	38.9	25.5	12.4	< 10.8
TPH (C10-C30)		14.8	< 10.9	4249	94.6	< 10.7	< 10.7	65.7	< 10.9	18.8	11.2	< 10.5	< 10.5	1	574	352	70	< 108	72.9	16	< 215	173	90	263	193	71	474	354	< 10.9	< 10.9	< 10.9	< 10.8	< 10.8
Gasoline Base Chemicals (C6-C10)		< 2.9	< 3.3	71.9	3.2	< 1.8	< 2.0	< 2.3	< 2.2	< 2.3	< 1.9	< 2.7	N.A.	< 2.5	N.A.	< 2.2	N.A.	< 2.2	N.A.	< 2.2	N.A.	< 2.4	N.A.	< 3.7	N.A.	< 3.7	N.A.	< 3.7	N.A.	< 3.7	N.A.	< 3.7	< 3.7
Soils and Groundwater - liquid hydrocarbons including condensate and oil	below visual detection limits	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Electrical conductivity (EC) by saturated paste method(1,2)	< 4msh/cm	0.694	0.806	0.381	0.153	0.527	0.241	0.549	0.419	0.637	0.245	0.924	N.A.	0.623	N.A.	2.92	N.A.	2.92	N.A.	0.489	N.A.	1.57	N.A.	0.827	N.A.	3.1	1.98						
Sodium adsorption ratio (SAR) by saturated paste method(1,2)	< 6	0.141	0.155	0.193	2.74	0.172	1.14	2.37	1.42	2.19	0.924	2.27	N.A.	1.07	N.A.	0.434	N.A.	3.01	N.A.	0.32	N.A.	0.218	N.A.	0.62	0.047	N.A.	0.62	0.047	N.A.	0.62	0.047	N.A.	0.62
pH by saturated paste method(1,2)	6-8.3	7.55	7.70	7.61	8.69	8.12	8.36	8.39	8.26	8.13	8.34	7.75	N.A.	7.77	N.A.	7.52	N.A.	8.34	N.A.	7.45	N.A.	7.51	N.A.	7.69	7.43	N.A.	7.43	N.A.	7.43	N.A.	7.43	N.A.	7.43
Bornes hot water soluble soil extract(1,2,3)	2 mg/l	1.95	1.83	1.37	0.237	0.273	0.296	0.586	0.389	0.573	0.323	0.321	N.A.	0.614	N.A.	0.736	N.A.	0.523	N.A.	1.6	N.A.	1.19	N.A.	0.55	0.4	N.A.	0.4	N.A.	0.4	N.A.	0.4	N.A.	0.4
Residential Soil Screening Level Concentrations (mg/kg)	Protection of Groundwater Soil Screening Level Concentrations (mg/kg Risk Based (R) and MCL Based (M) / 8	1.2	0.056 (M)	< 0.126	< 0.033	< 0.0062	< 0.0074	< 0.0111	< 0.0129	< 0.0062	< 0.0066	< 0.0072	N.A.	N.A.	< 0.0066	N.A.	< 0.0066	N.A.	< 0.0065	N.A.	< 0.0047	N.A.	< 0.0059	N.A.	< 0.0059	N.A.	< 0.0059	N.A.	< 0.0059	N.A.	< 0.0059	N.A.	< 0.0059
benzene	480	< 0.0319	< 0.0312	< 0.027	< 0.0332	< 0.0065	< 0.0106	< 0.0277	< 0.0225	< 0.0131	< 0.0215	< 0.0183	N.A.	N.A.	< 0.0245	N.A.	< 0.0245	N.A.	< 0.0263	N.A.	< 0.0267	N.A.	< 0.0266	N.A.	< 0.0262	N.A.	< 0.0262	N.A.	< 0.0262	N.A.	< 0.0262	N.A.	< 0.0262
toluene	5.8	< 0.0319	< 0.0312	< 0.027	< 0.0332	< 0.0065	< 0.0106	< 0.0277	< 0.0225	< 0.0131	< 0.0215	< 0.0183	N.A.	N.A.	< 0.0245	N.A.	< 0.0245	N.A.	< 0.0263	N.A.	< 0.0267	N.A.	< 0.0266	N.A.	< 0.0262	N.A.	< 0.0262	N.A.	< 0.0262	N.A.	< 0.0262	N.A.	< 0.0262
ethylbenzene																																	
xylene (sum of o-, m- and p- isomers = total xylene)	58	9.9 (M)	< 0.0958	< 0.0935	< 0.0881	< 0.0996	< 0.0615	< 0.0557	< 0.083	< 0.097	< 0.0693	< 0.0645	< 0.0548	N.A.	N.A.	< 0.0734	N.A.	< 0.0789	N.A.	< 0.119	N.A.	< 0.119	N.A.	< 0.0785	N.A.	< 0.0785	N.A.	< 0.0785	N.A.	< 0.0785	N.A.	< 0.0785	
1,4-dimethylbenzene	30	0.0081 (M)	< 0.0319	< 0.0312	< 0.027	< 0.0332	< 0.0205	< 0.0186	< 0.0277	< 0.0323	< 0.0231	< 0.0215	< 0.0183	N.A.	N.A.	< 0.0245	N.A.	< 0.0263	N.A.	< 0.0267	N.A.	< 0.0266	N.A.	< 0.0262	N.A.	< 0.0262	N.A.	< 0.0262	N.A.	< 0.0262	N.A.	< 0.0262	
1,3,5-trimethylbenzene	27	0.0087 (M)	< 0.0319	< 0.0312	< 0.027	< 0.0332	< 0.0205	< 0.0186	< 0.0277	< 0.0323	< 0.0231	< 0.0215	< 0.0183	N.A.	N.A.	< 0.0245	N.A.	< 0.0263	N.A.	< 0.0267	N.A.	< 0.0266	N.A.	< 0.0262	N.A.	< 0.0262	N.A.	< 0.0262	N.A.	< 0.0262	N.A.	< 0.0262	
acromethane	360	0.15 (M)	< 0.108	< 0.0109	0.564	< 0.0106	< 0.0106	< 0.0111	< 0.0108	< 0.0109	< 0.0108	< 0.0105	< 0.0095	< 0.0095	< 0.0097	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	
anthracene	1800	5.1 (M)	< 0.108	< 0.0109	< 0.0104	< 0.0106	< 0.0106	< 0.0111	< 0.0108	< 0.0109	< 0.0108	< 0.0105	0.017	0.0076	< 0.0077	0.0076	< 0.0077	0.0076	< 0.0077	0.0076	< 0.0077	0.0076	< 0.0077	0.0076	< 0.0077	0.0076	< 0.0077	0.0076	< 0.0077	0.0076	< 0.0077	0.0076	< 0.0077
benzofluoranthene	11	0.011 (M)	< 0.108	< 0.0109	< 0.0104	< 0.0106	< 0.0106	< 0.0111	< 0.0108	< 0.0109	< 0.0108	< 0.0105	0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	
benzofluoranthene	11	0.011 (M)	< 0.108	< 0.0109	< 0.0104	< 0.0106	< 0.0106	< 0.0111	< 0.0108	< 0.0109	< 0.0108	< 0.0105	0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	
benzofluoranthene	31	7.3 (M)	< 0.108	< 0.0109	< 0.0104	< 0.0106	< 0.0106	< 0.0111	< 0.0108	< 0.0109	< 0.0108	< 0.0105	0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	< 0.0031	
benzofluoranthene	0.11	0.24 (M)	< 0.108	< 0.0109	< 0.0104	< 0.0106	< 0.0106	< 0.0111	< 0.0108	< 0.0109	< 0.0108	< 0.0105	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	
chrysene	110	0.9 (M)	< 0.108	< 0.0109	< 0.0104	< 0.0106	< 0.0106	< 0.0111	< 0.0108	< 0.0109	< 0.0108	< 0.0105	0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	
dibenzofluoranthene	0.11	0.096 (M)	< 0.108	< 0.0109	< 0.0104	< 0.0106	< 0.0106	< 0.0111	< 0.0108	< 0.0109	< 0.0108	< 0.0105	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	
fluoranthene	240	0.14 (M)	< 0.108	< 0.0109	< 0.0104	< 0.0106	< 0.0106	< 0.0111	< 0.0108	< 0.0109	< 0.0108	< 0.0105	0.100	0.067	< 0.067	0.016	< 0.016	0.200	< 0.016	0.200	< 0.016	0.200	< 0.016	0.200	< 0.016	0.200	< 0.016	0.200	< 0.016	0.200	< 0.016	0.200	
fluoranthene	240	0.14 (M)	< 0.108	< 0.0109	< 0.0104	< 0.0106	< 0.0106	< 0.0111	< 0.0108	< 0.0109	< 0.0108	< 0.0105	0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0054	
indeno(1,2,3-cd)pyrene	1.1	0.98 (M)	< 0.108	< 0.0109	< 0.0104	< 0.0106	< 0.0106	< 0.0111	< 0.0108	< 0.0109	< 0.0108	< 0.0105	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079	
1-methylpyrene	18	0.006 (M)	< 0.108	< 0.0109	< 0.0104	< 0.0106	< 0.0106	< 0.0111	< 0.0108	< 0.0109	< 0.0108	< 0.0105	N.A.	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079
2-methylpyrene	24	0.005 (M)	< 0.108	< 0.0109	< 0.0104	< 0.0106	< 0.0106	< 0.0111	< 0.0108	< 0.0109	< 0.0108	< 0.0105	N.A.	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079	N.A.	< 0.00079
naphthalene	2	0.0038 (M)	< 0.																														