

Portage Canal 2013 Sediment Sampling - Summary of Total Mercury Results

Sample ID	Result value <sup>(1)</sup> (mg/kg)	LOD <sup>(3)</sup>	LOQ <sup>(4)</sup>	Result Type <sup>(2)</sup>	Is matrix clean sand?	Surface Sample?
PC13-01-MMGK(0-6)	0.368	0.0144	0.0433	1	no	yes
PC13-01-MMGK(6-15)	0.517	0.0147	0.0442	1	no	no
PC13-01-MMGK(27-36)	ND	0.0149	0.0446	2	yes	no
PC13-02-MMGK(0-12)	<u>2.51</u>	0.0295	0.0886	1	no	yes
PC13-02-MMGK(12-18)	0.145	0.0142	0.0425	1	yes	no
PC13-03-MMGK(0-6)	<u>2.3</u>	0.029	0.087	1	no	yes
PC13-03-MMGK(6-16)	0.129	0.0144	0.0432	1	no	no
PC13-04-MMGK(0-6)	<u>1.82</u>	0.0133	0.04	1	no	yes
PC13-04-MMGK(21-26)	0.0194	0.0136	0.0408	1	yes	no
PC13-05-MMGK(0-6)	<u>1.41</u>	0.0146	0.0439	1	no	yes
PC13-05-MMGK(6-18)	ND	0.0138	0.0415	2	yes	no
PC13-06-MMGK(0-6)	<u>5.2</u>	0.0724	0.217	1	no	yes
PC13-06-MMGK(12-24)	0.443	0.0139	0.0418	1	no	no
PC13-07-MMGK(0-6)	<u>4.32</u>	0.0733	0.22	1	no	yes
PC13-07-MMGK(6-19)	<u>2.4</u>	0.0299	0.0897	1	no	no
PC13-08-MMGK(0-11)	<u>3.88</u>	0.0285	0.0854	1	no	yes
PC13-09-MMGK(0-2)	<u>2.55</u>	0.0289	0.0866	1	no	yes
PC13-09-MMGK(2-8)	<u>1.63</u>	0.0142	0.0425	1	no	yes
PC13-09-MMGK(8-24)	<u>2.6</u>	0.0289	0.0868	1	no	no
PC13-09-MMGK(24-30)	0.0797	0.0137	0.0412	1	yes	no
PC13-10-MMGK(6-19)	<u>0.934</u>	0.0137	0.041	1	no	no
PC13-11-MMGK(6-15)	0.508	0.0142	0.0425	1	no	no
PC13-11-MMGK(15-19)	0.0256	0.014	0.042	1	yes	no
PC13-12-MMGK(6-18)	<u>2.07</u>	0.0143	0.0428	1	no	no
PC13-12-MMGK(18-23)	0.356	0.0144	0.0432	1	no	no
PC13-13-MMGK(0-6)	<u>1.64</u>	0.0145	0.0434	1	no	yes
PC13-13-MMGK(0-6)D	<u>1.68</u>	0.0142	0.0425	1	no	yes
PC13-13-MMGK(6-17)	<u>1.67</u>	0.0146	0.0439	1	no	no
PC13-13-MMGK(6-17)D	<u>2.03</u>	0.014	0.0419	1	no	no
PC13-13-MMGK(17-26)	0.0301	0.0139	0.0416	1	yes	no
PC13-13-MMGK(17-26)D	0.035	0.0142	0.0425	1	yes	no
PC13-14-MMGK(0-6)	<u>6.97</u>	0.142	0.427	1	no	yes
PC13-14-MMGK(6-12)	<u>1.33</u>	0.0149	0.0448	1	no	no
PC13-15-MMGK(0-6)	<u>9.81</u>	0.148	0.445	1	no	yes
PC13-15-MMGK(6-16)	<u>3.04</u>	0.0289	0.0868	1	no	no
PC13-15-MMGK(16-28)	0.0357	0.0147	0.044	1	yes	no
PC13-16-MMGK(6-17)	<u>2.43</u>	0.0296	0.0889	1	no	no
PC13-16-MMGK(17-35)	ND	0.0147	0.044	2	yes	no
PC13-17-MMGK(6-18)	<u>1.43</u>	0.0292	0.0875	1	no	no

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PC13-18-MMGK(6-19)	<u>2.52</u>	0.0287	0.086	1	no	no
PC13-19-MMGK(0-6)	<u>7.92</u>	0.0733	0.22	1	no	yes
PC13-19-MMGK(6-20)	<u>2.38</u>	0.0283	0.0849	1	no	no
PC13-20-MMGK(0-15)	<u>1.37</u>	0.0136	0.0409	1	no	yes
PC13-20-MMGK(15-19)	0.266	0.0148	0.0443	1	no	no
PC13-20-MMGK(19-28)	0.0146	0.0127	0.038	1	yes	no
PC13-21-MMGK(0-5)	<u>0.727</u>	0.0143	0.0429	1	no	yes
PC13-21-MMGK(22-28)	<u>0.721</u>	0.0148	0.0444	1	no	no
PC13-22-MMGK(6-20)	<u>2.43</u>	0.0293	0.0878	1	no	no
PC13-23-MMGK(0-12)	<u>2.08</u>	0.029	0.087	1	no	yes
PC13-24-MMGK(0-3)	<u>2.47</u>	0.0286	0.0858	1	no	yes
PC13-24-MMGK(8-17)	<u>2.32</u>	0.028	0.084	1	no	no
PC13-25-MMGK(0-18)	<u>2.82</u>	0.029	0.0869	1	no	yes
PC13-25S-MMGK(0-8)	<u>3.69</u>	0.0265	0.0796	1	no	yes
PC13-25S-MMGK(0-8)D	<u>4.17</u>	0.0293	0.0878	1	no	yes
PC13-25S-MMGK(8-20)	0.127	0.0141	0.0423	1	yes	no
PC13-25S-MMGK(8-20)D	0.0743	0.0132	0.0395	1	yes	no
PC13-26-MMGK(0-9)	<u>1.87</u>	0.0259	0.0777	1	no	yes
PC13-27-MMGK(0-12)	<u>1.95</u>	0.0138	0.0415	1	no	yes
PC13-27-MMGK(28-31)	0.214	0.0142	0.0425	1	no	yes
PC13-28-MMGK(6-12)	0.514	0.0144	0.0433	1	no	no
PC13-29-MMGK(6-8)	<u>0.896</u>	0.0149	0.0446	1	no	no
PC13-29-MMGK(24-35)	ND	0.014	0.042	2	yes	no
PC13-29-MMGK(42-47)	0.0193	0.0149	0.0447	1	no	no
PC13-30-MMGK(9-19)	<u>0.905</u>	0.0149	0.0446	1	no	no
PC13-31-MMGK(0-10)	<u>3.65</u>	0.071	0.213	1	no	yes
PC13-31-MMGK(10-22)	<u>1.12</u>	0.0132	0.0397	1	no	no
PC13-32-MMGK(0-12)	<u>2.7</u>	0.15	0.449	1	no	yes
PC13-32-MMGK(19-30)	<u>0.663</u>	0.0143	0.043	1	no	no
PC13-33-MMGK(0-6)	0.184	0.0148	0.0444	1	no	yes
PC13-33-MMGK(6-19)	0.534	0.0145	0.0435	1	no	no
PC13-33-MMGK(38-44)	0.0462	0.0136	0.0409	1	yes	no
PC13-34-MMGK(12-23)	0.274	0.014	0.0421	1	no	no
PC13-35-MMGK(12-21)	0.378	0.0128	0.0385	1	no	no
PC13-36-MMGK(12-24)	<u>1.4</u>	0.014	0.0419	1	no	no
PC13-36-MMGK(24-30)	0.0152	0.0146	0.0437	1	yes	no

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PC13-37-MMGK(0-6)	<u>2.36</u>	0.0275	0.0824	1	no	yes
PC13-37-MMGK(6-12)	<u>2.4</u>	0.0283	0.085	1	no	no
PC13-38-MMGK(0-6)	<u>1.69</u>	0.0743	0.223	1	no	yes
PC13-38-MMGK(6-10)	<u>1.55</u>	0.0145	0.0435	1	no	no
PC13-39-MMGK(0-6)	<u>8.21</u>	0.0748	0.224	1	no	yes
PC13-39-MMGK(6-17)	<u>1.45</u>	0.0143	0.043	1	no	no
PC13-40-MMGK(6-16)	<u>1.72</u>	0.0145	0.0436	1	no	no
PC13-40-MMGK(16-22)	0.0221	0.014	0.0421	1	yes	no
PC13-41-MMGK(6-9)	<u>1.03</u>	0.0146	0.0437	1	no	no
PC13-42-MMGK(6-9)	<u>1.05</u>	0.0129	0.0387	1	no	no
PC13-42-MMGK(9-15)	0.0657	0.0147	0.0441	1	yes	no
PC13-43-MMGK(0-6)	<u>2.3</u>	0.0143	0.0428	1	no	yes
PC13-43-MMGK(6-10)	<u>1.84</u>	0.0141	0.0423	1	no	no
PC13-44-MMGK(0-7)	0.451	0.0142	0.0426	1	no	yes
PC13-45-MMGK(0-6)	<u>3.97</u>	0.0299	0.0897	1	no	yes
PC13-45-MMGK(6-11)	<u>1.83</u>	0.0146	0.0437	1	no	no
PC13-45-MMGK(11-17)	0.0613	0.0142	0.0425	1	yes	no
PC13-46-MMGK(6-11)	<u>2.33</u>	0.0287	0.0862	1	no	no
PC13-46-MMGK(11-23)	<u>1.21</u>	0.0142	0.0425	1	no	no
PC13-47-MMGK(6-8)	<u>0.641</u>	0.0143	0.0429	1	no	no
PC13-48-MMGK(6-14)	<u>2.43</u>	0.0283	0.085	1	no	no
PC13-49-MMGK(0-6)	<u>11</u>	0.145	0.435	1	no	yes
PC13-49-MMGK(0-6)D	<u>10.7</u>	0.144	0.432	1	no	yes
PC13-49-MMGK(6-18)	<u>1.6</u>	0.0149	0.0448	1	no	no
PC13-49-MMGK(6-18)D	<u>1.55</u>	0.0148	0.0443	1	no	no
PC13-49-MMGK(18-21)	0.134	0.0142	0.0425	1	yes	no
PC13-49-MMGK(18-21)D	0.141	0.0146	0.0438	1	yes	no
PC13-50-MMGK(0-6)	<u>6.95</u>	0.0728	0.218	1	no	yes
PC13-50-MMGK(12-24)	<u>1.44</u>	0.0149	0.0448	1	no	no
PC13-51-MMGK(0-6)	<u>3.17</u>	0.0735	0.22	1	no	yes
PC13-51-MMGK(6-16)	<u>1.14</u>	0.0134	0.0403	1	no	no
PC13-51-MMGK(16-22)	ND	0.0133	0.04	2	yes	no
PC13-52-MMGK(12-24)	<u>1.28</u>	0.0144	0.0433	1	no	no
PC13-52-MMGK(24-36)	ND	0.0149	0.0447	2	yes	no
PC13-53-MMGK(6-16)	<u>2.51</u>	0.0745	0.224	1	no	no
PC13-53-MMGK(16-24)	0.0156	0.0145	0.0435	1	yes	no

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PC13-54-MMGK(6-17)	<u>0.876</u>	0.0148	0.0443	1	no	no
PC13-54-MMGK(17-22)	0.0233	0.0138	0.0414	1	yes	no
PC13-54-MMGK(22-34)	ND	0.0103	0.0308	2	yes	no
PC13-55-MMGK(0-6)	<u>0.281</u>	0.0126	0.0378	1	no	yes
PC13-55-MMGK(10-22)	<b><u>1.57</u></b>	0.0149	0.0447	1	no	no
PC13-55-MMGK(36-39)	ND	0.0141	0.0423	2	no	no
PC13-56-MMGK(0-6)	<u>0.243</u>	0.0148	0.0443	1	no	yes
PC13-56-MMGK(6-11)	0.102	0.0139	0.0417	1	no	no
PC13-56-MMGK(11-19)	<u>0.539</u>	0.0149	0.0446	1	no	no
PC13-56-MMGK(19-23)	0.0912	0.0137	0.041	1	no	no
PC13-56-MMGK(27-39)	<u>1.05</u>	0.0137	0.0412	1	no	no
PC13-56-MMGK(39-48)	<b><u>1.23</u></b>	0.0147	0.0441	1	no	no
PC13-57S-MMGK(0-6)	<u>0.488</u>	0.0144	0.0433	1	no	yes
PC13-57S-MMGK(11-22)	<u>0.753</u>	0.0148	0.0443	1	no	no
PC13-57S-MMGK(22-34)	<b><u>1.33</u></b>	0.0145	0.0435	1	no	no
PC13-58S-MMGK(0-9)	<b><u>2.12</u></b>	0.0149	0.0447	1	no	yes
PC13-58S-MMGK(21-33)	<b><u>1.47</u></b>	0.0285	0.0856	1	no	no
PC13-61S-MMGK(0-6)	<b><u>2.05</u></b>	0.0144	0.0431	1	no	yes
PC13-61S-MMGK(16-22)	<b><u>1.18</u></b>	0.0148	0.0443	1	no	no
PC13-61S-MMGK(28-36)	ND	0.014	0.0419	2	yes	no
PC13-62S-MMGK(0-15)	<b><u>3.53</u></b>	0.0267	0.0801	1	no	yes
PC13-62S-MMGK(30-35)	ND	0.0141	0.0424	2	yes	no
PC13-100-MMG(0-12)	<b><u>3.2</u></b>	0.0292	0.0877	1	no	yes
PC13-100-MMG(12-24)	<u>1.05</u>	0.0144	0.0432	1	no	no
PC13-100-MMG(24-36)	<b><u>1.58</u></b>	0.0145	0.0436	1	no	no
PC13-100-MMG(36-46)	<b><u>3.6</u></b>	0.0289	0.0867	1	no	no
PC13-100-MMG5(46-70)	<b><u>2.2</u></b>	0.0289	0.0866	1	no	no
PC13-100-MMG5(70-79)	<b><u>2.19</u></b>	0.0288	0.0865	1	no	no
PC13-T4-MMGK(0-6)C	<b><u>2.23</u></b>	0.0136	0.0409	1	no	yes
PC13-T6-MMGK(0-6)C	<b><u>4.16</u></b>	0.0741	0.222	1	no	yes
PC13-T10-MMGK(0-6)C	<b><u>1.4</u></b>	0.0143	0.043	1	no	yes
PC13-T10-MMGK(0-6)CD	<b><u>1.27</u></b>	0.0148	0.0443	1	no	yes
PC13-T12-MMGK(0-12)C	<b><u>2.64</u></b>	0.414	1	no	yes	
PC13-T14-MMGK(0-6)C	<b><u>4.56</u></b>	0.0728	0.218	1	no	yes
PC13-T16-MMGK(0-6)C	<b><u>2.34</u></b>	0.0146	0.0438	1	no	yes
PC13-T18-MMGK(0-6)C	<b><u>1.48</u></b>	0.0137	0.041	1	no	yes

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PC13-64-HC(0-6)	0.0598	0.0147	0.044	1	no	yes
PC13-64-HC(0-6)D	0.0559	0.0149	0.0448	1	no	yes
PC13-64-HC(6-18)	<i>0.197</i>	0.0143	0.043	1	no	no
PC13-64-HC(6-18)D	0.154	0.0144	0.0431	1	no	no
PC13-65-HC(0-8)	0.0181	0.015	0.0449	1	no	yes
PC13-66-HC(0-11)	<i>0.631</i>	0.0142	0.0426	1	no	yes
PC13-67-HC(0-8)	0.0214	0.014	0.0419	1	no	yes
PC13-67-HC(16-19)	0.142	0.0149	0.0447	1	no	no

Notes:

<sup>(1)</sup> TEC) Threshold effect concentration (0.18); parameters that exceed the TEC are in *italics* .

MEC) Midpoint effect concentration (0.64); parameters exceed the MEC are identified in italics and underlined.

PEC) Probable effect concentration (1.1); parameters exceed the PEC are identified in bold and underlined.

<sup>(2)</sup>

Code	Meaning
0	Non-Numeric or Not Verified
1	Valid Result
2	Below LOD
3	Between LOD and LOQ
4	Less Than Report Limit
5	Above upper report limit
F	Field Result
V	Valid Non-Numeric Result

<sup>(3)</sup> LOD = Limits of Detection

<sup>(4)</sup> LOQ = Limits of Quantification