

From: Harvey, Christopher <CHarvey@trccompanies.com>
Sent: Monday, September 25, 2023 10:18 AM
To: Krueger, Sarah E - DNR
Cc: Webb, Carrie A - DNR; Smith, Jason; Wachholz, Benjamin
Subject: HARP Site Long Term Monitoring (02-08-587669) and HARP Downstream of Hayton Millpond Dam (02-08-587108)
Attachments: TableX_Surface_Water_Sampling_Results_2305 and 2307 NR-SW.pdf

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Sarah,

Good morning. I am providing you with a summary table of surface water sample results from the May and July surface water sampling event.

Please let me know if you have any questions or comments.

Thank you,
Chris

Chris Harvey, PE
C 312-909-0043

From: Harvey, Christopher
Sent: Wednesday, May 3, 2023 1:25 PM
To: Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>
Cc: Webb, Carrie A - DNR <CarrieA.Webb@wisconsin.gov>; Smith, Jason <jason.smith@tecumseh.com>; Wachholz, Benjamin <BWachholz@trccompanies.com>
Subject: RE: [EXTERNAL] Notice to Proceed: HARP Site Long Term Monitoring (02-08-587669) and HARP Downstream of Hayton Millpond Dam (02-08-587108)

Sarah,

Good afternoon. I am providing notice to you that on Tuesday, May 16, TRC will be conducting the May 2023 surface water sampling activities in accordance with the Long-Term Monitoring Plan for Surface Water and Sediment associated with HARP.

If you have any questions, please contact me at 312-909-0043.

Chris

Chris Harvey, PE
C 312-909-0043

From: Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>
Sent: Monday, April 24, 2023 11:44 AM
To: Harvey, Christopher <CHarvey@trccompanies.com>
Cc: Webb, Carrie A - DNR <CarrieA.Webb@wisconsin.gov>; Smith, Jason <jason.smith@tecumseh.com>; Wachholz, Benjamin <BWachholz@trccompanies.com>
Subject: RE: [EXTERNAL] Notice to Proceed: HARP Site Long Term Monitoring (02-08-587669) and HARP Downstream of Hayton Millpond Dam (02-08-587108)

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Thank you for the clarification Chris.

Just to clarify, the minimum completeness goal should read “~~Five~~ **Three individual** samples of three fish each for common carp, i.e., ~~each sample will be comprised of three fish each.~~”? Apologies for the confusion related to my comment I missed changing the Five to Three. We assume the information in Table 4-1 is the correct information and only need clarification between the text and table since they seem to indicate two different minimum completeness goals.

Feel free to call if there is still confusion or questions related to the minimum completeness goal.

Thank you,
Sarah

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Sarah Krueger, P.G.

Phone: (920) 510-8277

Sarah.Krueger@wisconsin.gov

From: Harvey, Christopher <CHarvey@trccompanies.com>

Sent: Monday, April 24, 2023 11:30 AM

To: Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>

Cc: Webb, Carrie A - DNR <CarrieA.Webb@wisconsin.gov>; Smith, Jason <jason.smith@tecumseh.com>;

Wachholz, Benjamin <BWachholz@trccompanies.com>

Subject: RE: [EXTERNAL] Notice to Proceed: HARP Site Long Term Monitoring (02-08-587669) and HARP Downstream of Hayton Millpond Dam (02-08-587108)

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Sarah,

Thank you. We had a little confusion on the correct wording from your last comment. We confirm that "Five individual fish each for common carp." As presented on Table 4-1, the minimum completeness goal for common carp is three fish from a location.

We would anticipate that Figure 2 from the Site Investigation Work Plan Revision 5 and Figure 2 from the Natural Recovery Monitoring Plan for Surface Water and Sediment Revision 4 will be updated following the finalization of sampling locations and geomorphic evaluation. Thank you for the note regarding the TRC sediment sampling/transect location (August 2015); we will ensure they are visible in our Site Investigation Report figures.

Thank you.

Chris

Chris Harvey, PE
C 312-909-0043

From: Krueger, Sarah E - DNR <sarah.krueger@wisconsin.gov>
Sent: Thursday, April 20, 2023 8:02 AM
To: Smith, Jason <jason.smith@tecumseh.com>; Harvey, Christopher <CHarvey@trccompanies.com>
Cc: Webb, Carrie A - DNR <CarrieA.Webb@wisconsin.gov>
Subject: [EXTERNAL] Notice to Proceed: HARP Site Long Term Monitoring (02-08-587669) and HARP Downstream of Hayton Millpond Dam (02-08-587108)

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Jason and Chris,

DNR has reviewed the Natural Recovery Monitoring Plan for Fish Tissue Monitoring Revision 2, the Natural Recovery Monitoring Plan for Surface Water and Sediment Revision 4, the Site Investigation Work Plan Revision 5, and the Quality Assurance Project Plan Revision 4, all dated January 27, 2023. The comments and conditions from the November 28, 2022 Letters for each associated document have been addressed with one exception.

The Natural Recovery Monitoring Plan for Fish Tissue Monitoring Revision 2, section 4.1, the minimum completeness goal still indicates that there will be 3 individual fish making up each sample for common carp. The word “composite” was removed in the revision for the minimum completeness goal but the remainder of the language should be updated we assume to state, “Five **individual** samples of three fish each for common carp, ~~i.e., each sample will be comprised of three fish each.~~” Please confirm what the minimum completeness goal is for common carp before implementing the fish tissue sampling.

We anticipate that Figure 2 from the Site Investigation Work Plan Revision 5 will be updated following the finalization of sampling locations and geomorphic evaluation, please note that the symbol for the TRC sediment sampling/transect location (August 2015) is not visible on the figure outside of the legend.

We also anticipate a finalized Figure 2 from the Natural Recovery Monitoring Plan for Surface Water and Sediment Revision 4 may be necessary following the geomorphic evaluation.

Please note that I will be on leave (expected to start in June) and unable to participate in the field effort this spring and summer. Meanwhile, please copy Carrie Webb (copied) on communications as she will be the main point of contact in my absence.

If you have any questions or concerns, please reach out to us.

Thank you,
Sarah

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Sarah Krueger, P.G.

Contaminated Sediment Specialist

Wisconsin Department of Natural Resources

2984 Shawano Avenue, Green Bay WI 54313-6727

Phone: (920) 510-8277

Sarah.Krueger@wisconsin.gov



dnr.wi.gov



Table X. Surface Water Sampling Results
 Hayton Area Remediation Project – Long-Term Natural Recovery Monitoring
 BRRTS No. 02-08-587669

Method	Parameter	Sample ID Type Sample Date SYS_SAMPLE_CODE	NR-SW-BKG1	NR-SW-BKG1	NR-SW-BKG2	NR-SW-BKG2	NR-SW-DS1	NR-SW-DS1	NR-SW-DS2 **	NR-SW-DS2 **	NR-SW-DS2
			N 05/16/2023	N 07/19/2023	N 05/16/2023	N 07/19/2023	N 05/16/2023	N 07/19/2023	N 05/16/2023	N 07/19/2023	N 05/16/2023
			NR-SW-BKG1-202305	NR-SW-BKG1-202307	NR-SW-BKG2-202305	NR-SW-BKG2-202307	NR-SW-DS1-202305	NR-SW-DS1-202307	NR-SW-DS2-202305	NR-SW-DUP1-202305	NR-SW-DS2-202307
		Units									
SM2540D	Total Suspended Solids (TSS)	mg/L	9.6	2.8	3.1	6.6	20.2	5.9	71.4	57.4	34.6
SMS5310C	Dissolved Organic Carbon	mg/L	10.8	9.1	8.0	5.2	10.2	8.5	10.1	10.6	7.8
SMS5310C	Total Organic Carbon	mg/L	10.5	8.4	7.0	5.0	9.3	7.2	9.4	9.6	7.4
E1668C	PCB-1 (2-MoCB)	ng/L	< 0.00540	< 0.00559	< 0.00535	< 0.00553	0.0285 J	0.0568 J+	< 0.00581	0.0290 J	< 0.0151 UJ
E1668C	PCB-2 (3-MoCB)	ng/L	< 0.00491	< 0.00666 UJ	< 0.00487	< 0.00504	< 0.00486	< 0.00538 UJ	< 0.00529	< 0.00487	< 0.00506
E1668C	PCB-3 (4-MoCB)	ng/L	< 0.00426	< 0.00566 UJ	< 0.00422	< 0.00436	< 0.00421	< 0.00783 UJ	< 0.00458	< 0.00422	< 0.00232 UJ
E1668C	PCB-4 (2,2'-DiCB)	ng/L	< 0.00727	< 0.0120 UJ	< 0.00721	< 0.00745	0.154	0.240	< 0.00783	0.148	< 0.00748
E1668C	PCB-5 (2,3-DiCB)	ng/L	< 0.00177	< 0.00184	< 0.00489 UJ	< 0.00182	< 0.00175	< 0.00187	< 0.00191	< 0.00176	< 0.00182
E1668C	PCB-6 (2,3'-DiCB)	ng/L	< 0.00907	< 0.00940	< 0.00899	< 0.00930	0.0811	0.132	< 0.00977	0.0717	< 0.00933
E1668C	PCB-7 (2,4-DiCB)	ng/L	< 0.00900	< 0.00932	< 0.00891	< 0.00922	0.0173 J	0.0309 J	< 0.00969	0.0139 J	< 0.00926
E1668C	PCB-8 (2,4'-DiCB)	ng/L	< 0.0119	< 0.0123	< 0.0117	< 0.0122	0.0264 J	< 0.0303 UJ	< 0.0128	0.0239 J	< 0.0122
E1668C	PCB-9 (2,5-DiCB)	ng/L	< 0.00238	< 0.00246	< 0.00236	< 0.00244	0.0161 J	0.0341 J	< 0.00256	0.0134 J	< 0.00245
E1668C	PCB-10 (2,6-DiCB)	ng/L	< 0.00282	< 0.00293	< 0.00280	< 0.00289	< 0.00279	0.00354 J	< 0.00304	< 0.00280	< 0.00291
E1668C	PCB-11 (3,3'-DiCB)	ng/L	< 0.140	< 0.145	< 0.139	< 0.144	< 0.139	< 0.148	< 0.151	< 0.139	< 0.144
E1668C	PCB-12/13 (3,4-DiCB and/or 3,4'-DiCB)	ng/L	< 0.00509	< 0.00527	< 0.00504	< 0.00521	< 0.00503	< 0.00536	< 0.00548	< 0.00504	< 0.00523
E1668C	PCB-14 (3,5-DiCB)	ng/L	< 0.00170	< 0.00176	< 0.00168	< 0.00174	< 0.00168	< 0.00179	< 0.00183	< 0.00168	< 0.00175
E1668C	PCB-15 (4,4'-DiCB)	ng/L	< 0.00584	< 0.00605	< 0.00579	< 0.00599	0.0124 J	0.00806 J	< 0.00629	0.0150 J	< 0.00601
E1668C	PCB-16 (2,2',3'-TrCB)	ng/L	< 0.00596	< 0.00617	< 0.00590	< 0.00611	0.00908 J	< 0.0108 UJ	< 0.00642	0.0113 J	< 0.00613
E1668C	PCB-17 (2,2',4'-TrCB)	ng/L	0.00985 J	< 0.0143 UJ	< 0.00495	< 0.00512	0.130	0.137 J+	< 0.00537	0.154	< 0.00514
E1668C	PCB-18/30 (2,2',5'-TrCB and/or 2,4,6-TrCB)	ng/L	< 0.0110	< 0.0136 UJ	< 0.0109	< 0.0113	0.0817	0.113 J+	< 0.0119	0.0975	< 0.0113
E1668C	PCB-19 (2,2',6'-TrCB)	ng/L	< 0.00807	< 0.00836	< 0.00799	< 0.00827	0.100	0.110	< 0.00869	0.0925	< 0.00830
E1668C	PCB-20/28 (2,3,3'-TrCB and/or 2,4,4'-TrCB)	ng/L	0.0378 J	< 0.0598 UJ	< 0.0174	< 0.0180	0.146 J	< 0.200 UJ	< 0.0190	0.145 J	< 0.0181
E1668C	PCB-21/33 (2,3,4'-TrCB and/or 2,3',4'-TrCB)	ng/L	< 0.0127	< 0.0132	< 0.0126	< 0.0130	0.0428 J	< 0.0346 UJ	< 0.0137	0.0496 J	< 0.0131
E1668C	PCB-22 (2,3,4'-TrCB)	ng/L	< 0.00733	< 0.00759	< 0.00726	< 0.00751	0.00952 J	< 0.0146 UJ	< 0.00789	0.0114 J	< 0.00754
E1668C	PCB-23 (2,3,5'-TrCB)	ng/L	< 0.00154	< 0.00159	< 0.00152	< 0.00157	< 0.00152	0.00178 J	< 0.00165	< 0.00152	< 0.00158
E1668C	PCB-24 (2,3,6'-TrCB)	ng/L	< 0.00185	< 0.00192	< 0.00183	< 0.00190	< 0.00183	< 0.00195	< 0.00199	< 0.00183	< 0.00190
E1668C	PCB-25 (2,3',4'-TrCB)	ng/L	0.00576 J	0.00724 J	< 0.00274	< 0.00284	0.161	0.206	< 0.00298	0.140	< 0.00285
E1668C	PCB-26/29 (2,2',4,5'-TrCB and/or 2,4,5-TrCB)	ng/L	0.00809 J	0.0111 J	< 0.00439	< 0.00454	0.284	0.378	< 0.00477	0.260	< 0.00456
E1668C	PCB-27 (2,3',6'-TrCB)	ng/L	< 0.00195	< 0.00202	< 0.00194	< 0.00200	0.0218 J	0.0236 J	< 0.00210	0.0223 J	< 0.00201
E1668C	PCB-31 (2,4',5'-TrCB)	ng/L	< 0.0170	< 0.0196 UJ	< 0.0169	< 0.0175	0.0668 J	< 0.0920 UJ	< 0.0184	0.0742 J	< 0.0175
E1668C	PCB-32 (2,4',6'-TrCB)	ng/L	0.0212 J	0.0197 J	< 0.00702	< 0.00726	0.0699	< 0.0269 UJ	< 0.00762	0.0626	< 0.00728
E1668C	PCB-34 (2,3',5'-TrCB)	ng/L	< 0.00157	< 0.00163	< 0.00156	< 0.00161	0.0134 J	0.0204 J	< 0.00169	0.0114 J	< 0.00162
E1668C	PCB-35 (3,3',4'-TrCB)	ng/L	< 0.00310	< 0.00321	< 0.00307	< 0.00317	< 0.00306	< 0.00326	< 0.00333	< 0.00307	< 0.00318
E1668C	PCB-36 (3,3',5'-TrCB)	ng/L	< 0.00195	< 0.00202	< 0.00194	< 0.00200	< 0.00193	< 0.00206	< 0.00210	< 0.00194	< 0.00201
E1668C	PCB-37 (3,4,4'-TrCB)	ng/L	< 0.00408	< 0.00423	< 0.00404	< 0.00418	0.0115 J	< 0.0165 UJ	< 0.00440	0.0164 J	< 0.00420
E1668C	PCB-38 (3,4,5'-TrCB)	ng/L	< 0.00144	< 0.00149	< 0.00142	< 0.00147	< 0.00142	< 0.00151	< 0.00155	< 0.00142	< 0.00148
E1668C	PCB-39 (3,4',5'-TrCB)	ng/L	< 0.00159	< 0.00165	< 0.00158	< 0.00163	< 0.00157	< 0.00168	< 0.00171	< 0.00158	< 0.00164
E1668C	PCB-40/41/71 (2,2',3,3'-TeCB and/or 2,3,3',4'-TeCB)	ng/L	0.0355 J	< 0.0397 UJ	< 0.00778	< 0.00805	0.260	0.239	< 0.00846	0.306	< 0.00808
E1668C	PCB-42 (2,2',3,4'-TeCB)	ng/L	0.0234 J	0.0273 J	< 0.00422	< 0.00436	0.158	0.178	< 0.00458	0.206	< 0.00438
E1668C	PCB-43/73 (2,2',3,5'-TeCB and/or 2,3',5'-TeCB)	ng/L	< 0.00379	0.00467 J	< 0.00376	< 0.00389	0.0337 J	0.0442 J	< 0.00408	0.0337 J	< 0.00390
E1668C	PCB-44/47/65 (2,2',3,5'-TeCB and/or 2,3',5'-TeCB)	ng/L	0.117	0.158 J+	< 0.0179	< 0.0185	0.769	0.915	< 0.0195	0.917	< 0.0186
E1668C	PCB-45/51 (2,2',3,6'-TeCB and/or 2,2',4,6'-TeCB)	ng/L	0.0314 J	< 0.0295 UJ	< 0.00552	< 0.00571	0.131	0.100 J+	< 0.00600	0.152	< 0.00573
E1668C	PCB-46 (2,2',3,6'-TeCB)	ng/L	0.0137 J	0.0137 J	< 0.00219	< 0.00226	0.0634	0.0616	< 0.00237	0.0796	< 0.00227
E1668C	PCB-48 (2,2',4,5'-TeCB)	ng/L	< 0.00282	< 0.00293	< 0.00280	< 0.00289	0.00660 J	< 0.00973 UJ	< 0.00304	0.00975 J	< 0.00291
E1668C	PCB-49/69 (2,2',4,5'-TeCB and/or 2,3',4,5'-TeCB)	ng/L	0.111	0.139	0.0102 J	< 0.00902 UJ	1.10	1.28	< 0.00704	1.34	< 0.00673
E1668C	PCB-50/53 (2,2',4,6'-TeCB and/or 2,2',5,6'-TeCB)	ng/L	0.0488 J	0.0515 J	< 0.00364	< 0.00377	0.249	0.257	< 0.00396	0.288	< 0.00378
E1668C	PCB-52 (2,2',5,5'-TeCB)	ng/L	0.0942 J	< 0.130 UJ	< 0.0159	< 0.0165	1.41	1.70	< 0.0173	1.88	< 0.0166
E1668C	PCB-54 (2,2',6,6'-TeCB)	ng/L	0.00256 J	0.00336 J	< 0.00154	< 0.00160	0.0130 J	0.0153 J	< 0.00168	0.0146 J	< 0.00160
E1668C	PCB-55 (2,3,3',4'-TeCB)	ng/L	< 0.00209	< 0.00216	< 0.00207	< 0.00214	< 0.00207	0.00326 J	< 0.00225	< 0.00207	< 0.00215
E1668C	PCB-56 (2,3,3',4'-TeCB)	ng/L	< 0.00981	< 0.0102	< 0.00972	< 0.0101	0.0386	0.0443 J+	< 0.0106	0.0568	< 0.0101
E1668C	PCB-57 (2,3,3',5'-TeCB)	ng/L	< 0.00145	< 0.00151	< 0.00144	< 0.00149	0.0399	0.0453	< 0.00157	0.0356 J	< 0.00150
E1668C	PCB-58 (2,3,3',5'-TeCB)	ng/L	< 0.00184	< 0.00191	< 0.00183	< 0.00189	0.00777 J	0.0133 J	< 0.00199	0.00949 J	< 0.00190
E1668C	PCB-59/62/75 (2,3,3',6'-TeCB and/or 2,3,3',4',6'-TeCB)	ng/L	0.00423 J	0.00678 J	< 0.00399	< 0.00412	0.0418 J	0.0452 J	< 0.00433	0.0494 J	< 0.00414
E1668C	PCB-60 (2,3,4,4'-TeCB)	ng/L	< 0.00333	< 0.00345	< 0.00330	< 0.00341	0.00456 J	< 0.00458 UJ	< 0.00358	0.00913 J	< 0.00342
E1668C	PCB-61/70/74/76 (2,3,4,5'-TeCB and/or 2,3,4,5'-TeCB)	ng/L	0.0363 J	0.0309	< 0.0309	< 0.0319	0.270	0.292 J+	< 0.0335	0.411	< 0.0320
E1668C	PCB-63 (2,3,4',5'-TeCB)	ng/L	0.00407 J	0.00462 J	< 0.00168	< 0.00173	0.0264 J	0.0315 J	< 0.00182	0.0290 J	< 0.00174
E1668C	PCB-64 (2,3,4',6'-TeCB)	ng/L	0.00744 J	< 0.0141 UJ	< 0.00539	< 0.00557	0.0957	0.108 J+	< 0.00585	0.150	< 0.00559

Table X. Surface Water Sampling Results
 Hayton Area Remediation Project – Long-Term Natural Recovery Monitoring
 BRRTS No. 02-08-587669

Method	Parameter	Sample ID Type Sample Date SYS_SAMPLE_CODE	NR-SW-BKG1	NR-SW-BKG1	NR-SW-BKG2	NR-SW-BKG2	NR-SW-DS1	NR-SW-DS1	NR-SW-DS2 **	NR-SW-DS2 **	NR-SW-DS2
			N 05/16/2023	N 07/19/2023	N 05/16/2023	N 07/19/2023	N 05/16/2023	N 07/19/2023	N 05/16/2023	N 05/16/2023	N 05/16/2023
Units		NR-SW-BKG1-202305	NR-SW-BKG1-202307	NR-SW-BKG2-202305	NR-SW-BKG2-202307	NR-SW-DS1-202305	NR-SW-DS1-202307	NR-SW-DS2-202305	NR-SW-DUP1-202305	NR-SW-DS2-202307	
E1668C	PCB-66 (2,3',4,4'-TeCB)	ng/L	0.0346 J	0.0524 J	< 0.0211	< 0.0218	0.229	0.265	< 0.0229	0.330	< 0.0219
E1668C	PCB-67 (2,3',4,5'-TeCB)	ng/L	< 0.00219	< 0.00226	< 0.00217	< 0.00224	0.0226 J	0.0296 J	< 0.00235	0.0248 J	< 0.00225
E1668C	PCB-68 (2,3',4,5'-TeCB)	ng/L	0.00297 J	0.00404 J	< 0.00242	< 0.00250	0.0319 J	0.0401 J	< 0.00262	0.0329 J	< 0.00251
E1668C	PCB-72 (2,3',5,5'-TeCB)	ng/L	0.00280 J	0.00406 J	< 0.00170	< 0.00176	0.0415	0.0514	< 0.00185	0.0473	< 0.00176
E1668C	PCB-77 (3,3',4,4'-TeCB)	ng/L	< 0.00257	0.00396 J	< 0.00255	< 0.00264	0.0132 J	0.0179 J	< 0.00277	0.0257 J	< 0.00265
E1668C	PCB-78 (3,3',4,5'-TeCB)	ng/L	< 0.00224	< 0.00232	< 0.00222	< 0.00230	< 0.00222	< 0.00236	< 0.00242	< 0.00222	< 0.00231
E1668C	PCB-79 (3,3',4,5'-TeCB)	ng/L	< 0.00226	< 0.00234	< 0.00224	< 0.00232	0.00759 J	0.00897 J	< 0.00244	0.00885 J	< 0.00233
E1668C	PCB-80 (3,3',5,5'-TeCB)	ng/L	< 0.00207	< 0.00214	< 0.00205	< 0.00212	< 0.00205	< 0.00218	< 0.00223	< 0.00205	< 0.00213
E1668C	PCB-81 (3,4,4',5'-TeCB)	ng/L	< 0.00173	< 0.00179	< 0.00171	< 0.00177	< 0.00171	< 0.00182	< 0.00186	< 0.00171	< 0.00178
E1668C	PCB-82 (2,2',3,3',4'-PeCB)	ng/L	0.00884 J	0.0148 J	< 0.00247	< 0.00256	0.0472	0.0491	< 0.00269	0.110	< 0.00257
E1668C	PCB-83 (2,2',3,3',5'-PeCB)	ng/L	0.00668 J	0.00892 J	< 0.00230	< 0.00238	0.0910	0.0826	< 0.00250	0.144	< 0.00239
E1668C	PCB-84 (2,2',3,3',6'-PeCB)	ng/L	0.0318 J	0.0340 J	< 0.0128	< 0.0132	0.252	0.236	< 0.0139	0.489	< 0.0133
E1668C	PCB-85/116/117 (2,2',3,4,4'-PeCB and/or 2,2',3,4,5'-PeCB)	ng/L	0.0237 J	0.0356 J	< 0.00500	< 0.00517	0.136	0.136	< 0.00544	0.319	< 0.00519
E1668C	PCB-86/87/97/108/119/125 (2,2',3,4,5'-PeCB and/or 2,2',3,4,6'-PeCB and/or 2,2',3,4,6'-PeCB)	ng/L	0.0753 J	0.110 J	< 0.0146	< 0.0151	0.504	0.493	< 0.0159	1.03	< 0.0152
E1668C	PCB-88/91 (2,2',3,4,6'-PeCB and/or 2,2',3,4,6'-PeCB)	ng/L	0.0289 J	0.0384 J	< 0.00475	< 0.00492	0.255	0.254	< 0.00517	0.382	< 0.00494
E1668C	PCB-89 (2,2',3,4,6'-PeCB)	ng/L	< 0.00304	< 0.00315	< 0.00301	< 0.00311	0.00622 J	0.00744 J	< 0.00327	0.0103 J	< 0.00312
E1668C	PCB-90/101/113 (2,2',3,4',5'-PeCB and/or 2,2',3,4,5'-PeCB)	ng/L	0.124	0.183	0.0130 J	< 0.0119	0.912	0.923	< 0.0125	1.89	< 0.0119
E1668C	PCB-92 (2,2',3,5,5'-PeCB)	ng/L	0.0378 J	0.0474	0.00479 J	< 0.00391	0.431	0.413	< 0.00410	0.679	< 0.00392
E1668C	PCB-93/98/100/102 (2,2',3,5,6'-PeCB and/or 2,2',3,5,6'-PeCB)	ng/L	0.00904 J	0.00875 J	< 0.00544	< 0.00563	0.0959 J	0.0989 J	< 0.00592	0.124 J	< 0.00565
E1668C	PCB-94 (2,2',3,5,6'-PeCB)	ng/L	0.00302 J	0.00309 J	< 0.00182	< 0.00188	0.0306 J	0.0269 J	< 0.00198	0.0353 J	< 0.00189
E1668C	PCB-95 (2,2',3,5',6'-PeCB)	ng/L	0.101 J	< 0.109 UJ	< 0.00838	< 0.00866	0.844	0.783	< 0.00910	1.61	< 0.00870
E1668C	PCB-96 (2,2',3,6,6'-PeCB)	ng/L	< 0.00306	< 0.00317	< 0.00303	< 0.00313	0.0125 J	0.0102 J	< 0.00329	0.0188 J	< 0.00314
E1668C	PCB-99 (2,2',4,4',5'-PeCB)	ng/L	0.0663	0.0917	0.00682 J	< 0.00589	0.473	0.485	< 0.00619	0.959	< 0.00591
E1668C	PCB-103 (2,2',4,5',6'-PeCB)	ng/L	0.00253 J	0.00393 J	< 0.00189	< 0.00195	0.0351 J	0.0368 J	< 0.00205	0.0423	< 0.00196
E1668C	PCB-104 (2,2',4,6,6'-PeCB)	ng/L	< 0.00148	< 0.00154	< 0.00147	< 0.00152	< 0.00147	< 0.00156	< 0.00160	< 0.00147	< 0.00153
E1668C	PCB-105 (2,3,3',4,4'-PeCB)	ng/L	0.0307 J	0.0563	< 0.00546	< 0.00565	0.136	0.151	< 0.00594	0.320	< 0.00567
E1668C	PCB-106 (2,3,3',4,5'-PeCB)	ng/L	< 0.00173	< 0.00179	< 0.00171	< 0.00177	< 0.00171	< 0.00182	< 0.00186	< 0.00171	< 0.00178
E1668C	PCB-107/124 (2,3,3',4',5'-PeCB and/or 2,2',3,3',4',5'-PeCB)	ng/L	0.00308 J	0.00681 J	< 0.00253	< 0.00262	0.0193 J	0.0189 J	< 0.00275	0.0369 J	< 0.00263
E1668C	PCB-109 (2,3,3',4,6'-PeCB)	ng/L	0.00902 J	0.0138 J	< 0.00192	< 0.00198	0.0728	0.0819	< 0.00208	0.112 J	< 0.00199
E1668C	PCB-110/115 (2,3,3',4',6'-PeCB and/or 2,2',3,3',4',6'-PeCB)	ng/L	0.161	0.224	0.0138 J	< 0.0129	1.37	1.36	< 0.0135	2.64	< 0.0129
E1668C	PCB-111 (2,3,3',5,5'-PeCB)	ng/L	< 0.00199	< 0.00206	< 0.00197	< 0.00204	0.00362 J	0.00442 J	< 0.00215	0.00489 J	< 0.00205
E1668C	PCB-112 (2,3,3',5,6'-PeCB)	ng/L	< 0.00172	< 0.00178	< 0.00170	< 0.00176	< 0.00170	< 0.00181	< 0.00185	< 0.00170	< 0.00177
E1668C	PCB-114 (2,3,4,4',5'-PeCB)	ng/L	< 0.00222	< 0.00230	< 0.00220	< 0.00228	0.00366 J	0.00499 J	< 0.00240	0.00872 J	< 0.00229
E1668C	PCB-118 (2,3',4,4',5'-PeCB)	ng/L	0.0871	0.180	0.0113 J	0.00921 J	0.534	0.641	< 0.00937	1.04	< 0.00896
E1668C	PCB-120 (2,3',4,5,5'-PeCB)	ng/L	< 0.00166	< 0.00172	< 0.00164	< 0.00170	0.00901 J	0.0126 J	< 0.00178	0.0148 J	< 0.00170
E1668C	PCB-121 (2,3',4,5',6'-PeCB)	ng/L	< 0.00127	< 0.00131	< 0.00125	< 0.00130	< 0.00125	< 0.00133	< 0.00136	< 0.00125	< 0.00130
E1668C	PCB-122 (2,3,3',4',5'-PeCB)	ng/L	< 0.00189	0.00201 J	< 0.00187	< 0.00194	0.00642 J	0.00428 J	< 0.00204	0.00952 J	< 0.00194
E1668C	PCB-123 (2,3',4,4',5'-PeCB)	ng/L	0.00277 J	0.00331 J	< 0.00213	< 0.00220	0.00801 J	0.0103 J	< 0.00231	0.0166 J	< 0.00221
E1668C	PCB-126 (3,3',4,4',5'-PeCB)	ng/L	< 0.00217	< 0.00224	< 0.00215	< 0.00222	0.00259 J	< 0.00228	< 0.00233	0.00344 J	< 0.00223
E1668C	PCB-127 (3,3',4,5,5'-PeCB)	ng/L	< 0.00130	< 0.00134	< 0.00129	< 0.00133	< 0.00128	< 0.00137	< 0.00140	< 0.00129	< 0.00134
E1668C	PCB-128/166 (2,2',3,3',4,4'-HxCB and/or 2,2',3,3',4,4'-HxCB)	ng/L	0.0208 J	0.0449 J	< 0.00420	< 0.00434	0.122	0.138	< 0.00456	0.255	< 0.00436
E1668C	PCB-129/138/163 (2,2',3,3',4,5'-HxCB and/or 2,2',3,3',4,5'-HxCB)	ng/L	0.111 J	0.256	< 0.0105	0.0117 J	0.638	0.881	< 0.0115	1.35	< 0.0109
E1668C	PCB-130 (2,2',3,3',4,5'-HxCB)	ng/L	0.00948 J	0.0176 J	< 0.00211	< 0.00218	0.0605	0.0681	< 0.00229	0.114	< 0.00219
E1668C	PCB-131 (2,2',3,3',4,6'-HxCB)	ng/L	< 0.00275	< 0.00285	< 0.00272	< 0.00282	0.0101 J	0.00980 J	< 0.00296	0.0222 J	< 0.00283
E1668C	PCB-132 (2,2',3,3',4,6'-HxCB)	ng/L	0.0363 J	0.0626	< 0.00397	< 0.00410	0.282	0.297	< 0.00431	0.533	< 0.00412
E1668C	PCB-133 (2,2',3,3',5,5'-HxCB)	ng/L	< 0.00259	0.00342 J	< 0.00257	< 0.00266	0.0253 J	0.0248 J	< 0.00279	0.0352 J	< 0.00267
E1668C	PCB-134/143 (2,2',3,3',5,6'-HxCB and/or 2,2',3,3',5,6'-HxCB)	ng/L	0.00796 J	0.0126 J	< 0.00385	< 0.00399	0.0612 J	0.0628 J	< 0.00419	0.118	< 0.00400
E1668C	PCB-135/151 (2,2',3,3',6'-PeCB and/or 2,2',3,3',6'-PeCB)	ng/L	0.0329 J	0.0486 J	< 0.00500	< 0.00517	0.311	0.291	< 0.00544	0.693	< 0.00519
E1668C	PCB-136 (2,2',3,3',6'-HxCB)	ng/L	0.0130 J	0.0171 J	< 0.00276	< 0.00286	0.125	0.103	< 0.00300	0.247	< 0.00287
E1668C	PCB-137 (2,2',3,4,4',5'-HxCB)	ng/L	0.00715 J	0.0124 J	< 0.00247	< 0.00256	0.0286 J	0.0331 J	< 0.00269	0.0724	< 0.00257
E1668C	PCB-139/140 (2,2',3,4,4',6'-HxCB and/or 2,2',3,4,4',6'-HxCB)	ng/L	< 0.00428	< 0.00443	< 0.00424	< 0.00438	0.0166 J	0.0184 J	< 0.00460	0.0364 J	< 0.00440
E1668C	PCB-141 (2,2',3,4,5,5'-HxCB)	ng/L	0.0157 J	0.0299 J	< 0.00238	< 0.00246	0.0744	0.0717	< 0.00258	0.166	< 0.00247
E1668C	PCB-142 (2,2',3,4,5,6'-HxCB)	ng/L	< 0.00188	< 0.00194	< 0.00186	< 0.00192	< 0.00186	< 0.00198	< 0.00202	< 0.00186	< 0.00193
E1668C	PCB-144 (2,2',3,4,5,6'-HxCB)	ng/L	0.00297 J	0.00673 J	< 0.00201	< 0.00208	0.0233 J	0.0195 J	< 0.00219	0.0628	< 0.00209
E1668C	PCB-145 (2,2',3,4,6,6'-HxCB)	ng/L	< 0.00195	< 0.00202	< 0.00194	< 0.00200	< 0.00193	< 0.00206	< 0.00210	< 0.00194	< 0.00201
E1668C	PCB-146 (2,2',3,4',5,5'-HxCB)	ng/L	0.0135 J	0.0261 J	< 0.00245	< 0.00254	0.120	0.132	< 0.00267	0.215	< 0.00255
E1668C	PCB-147/149 (2,2',3,4',5,6'-HxCB and/or 2,2',3,4',5,6'-HxCB)	ng/L	0.0795	0.123	< 0.00866	< 0.00896	0.657	0.660	< 0.00941	1.16	< 0.00900

Table X. Surface Water Sampling Results
 Hayton Area Remediation Project – Long-Term Natural Recovery Monitoring
 BRRTS No. 02-08-587669

Method	Parameter	Units	Sample ID	NR-SW-BKG1	NR-SW-BKG1	NR-SW-BKG2	NR-SW-BKG2	NR-SW-DS1	NR-SW-DS1	NR-SW-DS2 **	NR-SW-DS2 **	NR-SW-DS2
			Type	N	N	N	N	N	N	N	N	FD
			Sample Date	05/16/2023	07/19/2023	05/16/2023	07/19/2023	05/16/2023	07/19/2023	05/16/2023	05/16/2023	07/19/2023
			SYS_SAMPLE_CODE	NR-SW-BKG1-202305	NR-SW-BKG1-202307	NR-SW-BKG2-202305	NR-SW-BKG2-202307	NR-SW-DS1-202305	NR-SW-DS1-202307	NR-SW-DS2-202305	NR-SW-DUP1-202305	NR-SW-DS2-202307
E1668C	PCB-148 (2,2',3,4',5,6'-HxCB)	ng/L	< 0.00228	< 0.00236	< 0.00226	< 0.00234	0.00389 J	0.00450 J	< 0.00246	0.00561 J	< 0.00235	
E1668C	PCB-150 (2,2',3,4',6,6'-HxCB)	ng/L	< 0.00127	< 0.00131	< 0.00126	< 0.00130	0.00407 J	0.00327 J	< 0.00136	0.00502 J	< 0.00130	
E1668C	PCB-152 (2,2',3,5,6,6'-HxCB)	ng/L	< 0.00207	< 0.00214	< 0.00205	< 0.00212	0.00281 J	< 0.00218	< 0.00223	0.00322 J	< 0.00213	
E1668C	PCB-153/168 (2,2',4,4',5,5'-HxCB and/or	ng/L	0.0729 J	0.147	0.00967 J	< 0.00769	0.469	0.550	< 0.00808	1.00	< 0.00772	
E1668C	PCB-154 (2,2',4,4',5,6'-HxCB)	ng/L	< 0.00171	0.00191 J	< 0.00169	< 0.00175	0.0226 J	0.0235 J	< 0.00184	0.0390	< 0.00176	
E1668C	PCB-155 (2,2',4,4',5,6'-HxCB)	ng/L	< 0.00150	< 0.00155	< 0.00148	< 0.00153	< 0.00148	< 0.00158	< 0.00161	< 0.00148	< 0.00154	
E1668C	PCB-156/157 (2,3,3',4,4',5'-HxCB and/or	ng/L	0.0156 J	0.0323 J	< 0.00429	< 0.00444	0.0824	0.0905	< 0.00467	0.171	< 0.00446	
E1668C	PCB-158 (2,3,3',4,4',6-HxCB)	ng/L	0.0113 J	0.0195 J	< 0.00249	< 0.00258	0.0533	0.0601	< 0.00271	0.123	< 0.00259	
E1668C	PCB-159 (2,3,3',4,5,5'-HxCB)	ng/L	< 0.00273	< 0.00283	< 0.00270	< 0.00280	< 0.00270	< 0.00287	< 0.00294	< 0.00270	< 0.00281	
E1668C	PCB-160 (2,3,3',4,5,6-HxCB)	ng/L	< 0.00252	< 0.00261	< 0.00249	< 0.00258	< 0.00249	< 0.00265	< 0.00271	< 0.00249	< 0.00259	
E1668C	PCB-161 (2,3,3',4,5,6'-HxCB)	ng/L	< 0.00181	< 0.00188	< 0.00180	< 0.00186	< 0.00179	< 0.00191	< 0.00195	< 0.00180	< 0.00187	
E1668C	PCB-162 (2,3,3',4',5,5'-HxCB)	ng/L	< 0.00226	< 0.00234	< 0.00224	< 0.00234	0.00261 J	< 0.00244	0.00385 J	< 0.00233		
E1668C	PCB-164 (2,3,3',4',5,6'-HxCB)	ng/L	0.00687 J	0.0169 J	< 0.00234	< 0.00242	0.0464	0.0445	< 0.00254	0.0877	< 0.00243	
E1668C	PCB-165 (2,3,3',5,5,6'-HxCB)	ng/L	< 0.00201	< 0.00208	< 0.00199	< 0.00206	0.00218 J	0.00235 J	< 0.00217	0.00322 J	< 0.00207	
E1668C	PCB-167 (2,3,3',4',5,5'-HxCB)	ng/L	0.00555 J	0.00908 J	< 0.00207	< 0.00214	0.0291 J	0.0302 J	< 0.00225	0.0598	< 0.00215	
E1668C	PCB-169 (3,3',4,4',5,5'-HxCB)	ng/L	< 0.00156	< 0.00162	< 0.00155	< 0.00160	< 0.00155	< 0.00165	< 0.00168	< 0.00155	< 0.00161	
E1668C	PCB-170 (2,2',3,3',4,4',5'-HpCB)	ng/L	0.00954 J	0.0194 J	< 0.00479	< 0.00496	0.0782	0.0921	< 0.00521	0.122	< 0.00498	
E1668C	PCB-171/173 (2,2',3,3',4,4',6-HpCB and	ng/L	< 0.00592	< 0.00613	< 0.00587	< 0.00607	0.0282 J	0.0322 J	< 0.00637	0.0465 J	< 0.00609	
E1668C	PCB-172 (2,2',3,3',4,5,5'-HpCB)	ng/L	< 0.0137	< 0.0142	< 0.0136	< 0.0141	< 0.0136	0.0179 J	< 0.0148	0.0216 J	< 0.0141	
E1668C	PCB-174 (2,2',3,3',4,5,6'-HpCB)	ng/L	0.00958 J	0.0156 J	< 0.00309	< 0.00319	0.0634	0.0656	< 0.00335	0.113	< 0.00320	
E1668C	PCB-175 (2,2',3,3',4,5,6'-HpCB)	ng/L	< 0.00148	< 0.00153	< 0.00146	< 0.00151	0.00236 J	0.00389 J	< 0.00159	0.00701 J	< 0.00152	
E1668C	PCB-176 (2,2',3,3',4,6,6'-HpCB)	ng/L	< 0.00219	< 0.00226	< 0.00217	< 0.00224	0.0116 J	0.0122 J	< 0.00235	0.0205 J	< 0.00225	
E1668C	PCB-177 (2,2',3,3',4,5,6'-HpCB)	ng/L	0.00544 J	0.00998 J	< 0.00324	< 0.00335	0.0540	0.0701	< 0.00352	0.0861	< 0.00336	
E1668C	PCB-178 (2,2',3,3',5,5,6'-HpCB)	ng/L	< 0.00221	0.00342 J	< 0.00219	< 0.00226	0.0214 J	0.0266 J	< 0.00237	0.0391	< 0.00227	
E1668C	PCB-179 (2,2',3,3',5,6,6'-HpCB)	ng/L	0.00398 J	0.00527 J	< 0.00234	< 0.00242	0.0425	0.0387 J	< 0.00254	0.0779	< 0.00243	
E1668C	PCB-180/193 (2,2',3,4,4',5,5'-HpCB and	ng/L	0.0175 J	0.0310 J	< 0.00554	< 0.00573	0.124	0.149	< 0.00602	0.188	< 0.00575	
E1668C	PCB-181 (2,2',3,4,4',5,6-HpCB)	ng/L	< 0.00267	< 0.00277	< 0.00265	< 0.00274	< 0.00264	< 0.00281	< 0.00287	0.00403 J	< 0.00275	
E1668C	PCB-182 (2,2',3,4,4',5,6'-HpCB)	ng/L	< 0.00252	< 0.00261	< 0.00249	< 0.00258	< 0.00249	< 0.00265	< 0.00271	< 0.00249	< 0.00259	
E1668C	PCB-183/185 (2,2',3,4,4',5,6'-HpCB and	ng/L	0.00567 J	0.0121 J	< 0.00548	< 0.00567	0.0460 J	0.0494 J	< 0.00596	0.0754 J	< 0.00569	
E1668C	PCB-184 (2,2',3,4,4',6,6'-HpCB)	ng/L	< 0.00203	< 0.00210	< 0.00201	< 0.00208	< 0.00201	< 0.00214	< 0.00219	< 0.00201	< 0.00209	
E1668C	PCB-186 (2,2',3,4,5,6,6'-HpCB)	ng/L	< 0.00153	< 0.00158	< 0.00151	< 0.00157	< 0.00151	< 0.00161	< 0.00165	< 0.00151	< 0.00157	
E1668C	PCB-187 (2,2',3,4',5,5,6'-HpCB)	ng/L	0.00883 J	0.0166 J	< 0.00316	< 0.00327	0.0922	0.114	< 0.00344	0.178	< 0.00328	
E1668C	PCB-188 (2,2',3,4',5,6,6'-HpCB)	ng/L	< 0.00242	< 0.00250	< 0.00240	< 0.00248	< 0.00239	< 0.00255	< 0.00260	< 0.00240	< 0.00249	
E1668C	PCB-189 (2,3,3',4,4',5,5'-HpCB)	ng/L	< 0.00211	< 0.00218	< 0.00209	< 0.00216	0.00304 J	0.00460 J	< 0.00227	0.00912 J	< 0.00217	
E1668C	PCB-190 (2,3,3',4,4',5,6-HpCB)	ng/L	< 0.00248	< 0.00256	< 0.00245	< 0.00254	0.0152 J	0.0179 J	< 0.00267	0.0252 J	< 0.00255	
E1668C	PCB-191 (2,3,3',4,4',5,6'-HpCB)	ng/L	< 0.00213	< 0.00220	< 0.00211	< 0.00218	0.00262 J	0.00236 J	< 0.00229	0.00428 J	< 0.00219	
E1668C	PCB-192 (2,3,3',4,5,5,6'-HpCB)	ng/L	< 0.00242	< 0.00250	< 0.00240	< 0.00248	< 0.00239	< 0.00255	< 0.00260	< 0.00240	< 0.00249	
E1668C	PCB-194 (2,2',3,3',4,4',5,5'-OcCB)	ng/L	< 0.00183	0.00352 J	< 0.00181	< 0.00187	0.0225 J	0.0284 J	< 0.00197	0.0333 J	< 0.00188	
E1668C	PCB-195 (2,2',3,3',4,4',5,6'-OcCB)	ng/L	< 0.00168	< 0.00174	< 0.00167	< 0.00172	0.00956 J	0.0119 J	< 0.00181	0.0142 J	< 0.00173	
E1668C	PCB-196 (2,2',3,3',4,4',5,6'-OcCB)	ng/L	< 0.00170	0.00245 J	< 0.00169	< 0.00174	0.0119 J	0.0150 J	< 0.00183	0.0185 J	< 0.00175	
E1668C	PCB-197/200 (2,2',3,3',4,4',6,6'-OcCB and	ng/L	< 0.00460	< 0.00477	< 0.00456	< 0.00472	< 0.00455	0.00621 J	< 0.00496	0.00676 J	< 0.00474	
E1668C	PCB-198/199 (2,2',3,3',4,5,5,6'-OcCB and	ng/L	0.00315 J	0.00614 J	< 0.00274	< 0.00284	0.0312 J	0.0369 J	< 0.00298	0.0502 J	< 0.00285	
E1668C	PCB-201 (2,2',3,3',4,5,6,6'-OcCB)	ng/L	< 0.00141	< 0.00146	< 0.00140	< 0.00144	0.00307 J	0.00388 J	< 0.00152	0.00391 J	< 0.00145	
E1668C	PCB-202 (2,2',3,3',5,5,6,6'-OcCB)	ng/L	< 0.00226	< 0.00234	< 0.00224	< 0.00232	0.00582 J	0.00827 J	< 0.00244	0.00788 J	< 0.00233	
E1668C	PCB-203 (2,2',3,4,4',5,5,6'-OcCB)	ng/L	0.00196 J	0.00322 J	< 0.00176	< 0.00182	0.0117 J	0.0170 J	< 0.00191	0.0232 J	< 0.00183	
E1668C	PCB-204 (2,2',3,4,4',5,6,6'-OcCB)	ng/L	< 0.00164	< 0.00170	< 0.00163	< 0.00169	< 0.00163	< 0.00173	< 0.00177	< 0.00163	< 0.00169	
E1668C	PCB-205 (2,3,3',4,4',5,5,6'-OcCB)	ng/L	< 0.00193	< 0.00200	< 0.00192	< 0.00198	< 0.00191	< 0.00204	< 0.00208	0.00229 J	< 0.00199	
E1668C	PCB-206 (2,2',3,3',4,4',5,5,6'-NoCB)	ng/L	< 0.00375	< 0.00389	< 0.00372	< 0.00385	0.00682 J	0.00917 J	< 0.00404	0.0117 J	< 0.00386	
E1668C	PCB-207 (2,2',3,3',4,4',5,6,6'-NoCB)	ng/L	< 0.00224	< 0.00232	< 0.00222	< 0.00230	< 0.00222	< 0.00236	< 0.00242	< 0.00222	< 0.00231	
E1668C	PCB-208 (2,2',3,3',4,5,5,6,6'-NoCB)	ng/L	< 0.00219	< 0.00226	< 0.00217	< 0.00224	< 0.00216	< 0.00230	< 0.00235	0.00220 J	< 0.00225	
E1668C	PCB-209 (DeCB) (Decachlorobiphenyl)	ng/L	< 0.0168	< 0.0174	< 0.0167	0.0273 J	< 0.0166	< 0.0177	< 0.0181	< 0.0167	< 0.0173	
E1668C	Total Monochloro Biphenyls	ng/L	< 0.00540	0.00566 J	< 0.00535	< 0.00553	< 0.00534	0.0701 J	< 0.00581	0.0290 J	0.0383 J	
E1668C	Total Dichloro Biphenyls	ng/L	< 0.140	0.0120 J	< 0.139	< 0.144	0.307 J	0.475 J	< 0.151	0.286 J	< 0.144	
E1668C	Total Trichloro Biphenyls	ng/L	0.0729 J	0.145 J	< 0.0174	< 0.0180	1.12 J	1.39 J	< 0.0190	1.15 J	< 0.0181	
E1668C	Total Tetrachloro Biphenyls	ng/L	0.557 J	0.733 J	< 0.0102 J	< 0.0319	5.06 J	5.81 J	< 0.0335	6.45 J	< 0.0320	
E1668C	Total Pentachloro Biphenyls	ng/L	0.799 J	1.16 J	0.0450 J	0.00921 J	6.29 J	6.32 J	< 0.0159	12.0 J	< 0.0152	
E1668C	Total Hexachloro Biphenyls	ng/L	0.453 J	0.873 J	0.00967 J	0.0117 J	3.27 J	3.62 J	< 0.0115	6.57 J	< 0.0109	

Table X. Surface Water Sampling Results
 Hayton Area Remediation Project – Long-Term Natural Recovery Monitoring
 BRRTS No. 02-08-587669

		Sample ID Type Sample Date SYS_SAMPLE_CODE	NR-SW-BKG1 N 05/16/2023 NR-SW-BKG1-202305	NR-SW-BKG1 N 07/19/2023 NR-SW-BKG1-202307	NR-SW-BKG2 N 05/16/2023 NR-SW-BKG2-202305	NR-SW-BKG2 N 07/19/2023 NR-SW-BKG2-202307	NR-SW-DS1 N 05/16/2023 NR-SW-DS1-202305	NR-SW-DS1 N 07/19/2023 NR-SW-DS1-202307	NR-SW-DS2 ** N 05/16/2023 NR-SW-DS2-202305	NR-SW-DS2 ** FD 05/16/2023 NR-SW-DUP1-202305	NR-SW-DS2 N 07/19/2023 NR-SW-DS2-202307
Method	Parameter	Units									
E1668C	Total Heptachloro Biphenyls	ng/L	0.0510 J	0.0840 J	< 0.0136	< 0.0141	0.580 J	0.693 J	< 0.0148	1.01 J	< 0.0141
E1668C	Total Octachloro Biphenyls	ng/L	0.00510 J	0.0118 J	< 0.00456	< 0.00472	0.0809 J	0.124 J	< 0.00496	0.139 J	< 0.00474
E1668C	Total Nonachloro Biphenyls	ng/L	< 0.00375	< 0.00389	< 0.00372	< 0.00385	0.00682 J	0.00917 J	< 0.00404	0.0117 J	< 0.00386
E1668C	Polychlorinated biphenyls (Total PCBs)	ng/L	1.94 J	3.03 J	0.0648 J	0.0482 J	16.7 J	18.5 J	< 0.151	27.7 J	0.0383 J

Footnotes:

1. -- = Not analyzed
2. J = Estimated value
3. J+ = Estimated value, potential high bias
4. UJ = Estimated non-detect
5. ** = Potential sample labeling/switching issue

Table X. Surface Water Sampling Results
 Hayton Area Remediation Project – Long-Term Natural Recovery Monitoring
 BRRTS No. 02-08-587669

Method	Parameter	Units	Sample ID	NR-SW-EB	NR-SW-EB	NR-SW-FB	NR-SW-FB	NR-SW-OU1	NR-SW-OU1	NR-SW-OU2	NR-SW-OU2	NR-SW-OU2
			Type	EB	EB	FB	FB	N	N	N	N	FD
			Sample Date	05/16/2023	07/19/2023	05/16/2023	07/19/2023	05/16/2023	07/19/2023	05/16/2023	07/19/2023	07/19/2023
			SYS_SAMPLE_CODE	NR-SW-EB-202305	NR-SW-EB-202307	NR-SW-FB-202305	NR-SW-FB-202307	NR-SW-OU1-202305	NR-SW-OU1-202307	NR-SW-OU2-202305	NR-SW-OU2-202307	NR-SW-DUP1-202307
SM2540D	Total Suspended Solids (TSS)	mg/L	--	--	--	--	--	4.9	22.8	7.9	5.1	5.1
SMS5310C	Dissolved Organic Carbon	mg/L	--	--	--	--	--	5.3	4.8 J	5.9	5.1 J	4.9
SMS5310C	Total Organic Carbon	mg/L	--	--	--	--	--	4.5	3.7 J	5.0	4.2 J	4.2
E1668C	PCB-1 (2-MoCB)	ng/L	< 0.00537	< 0.00567	< 0.00533	0.0185 J	0.0110 J	< 0.0324 UJ	0.290	1.44	4.4	1.49
E1668C	PCB-2 (3-MoCB)	ng/L	< 0.00489	< 0.00516	< 0.00486	< 0.00546	< 0.00488	< 0.00595 UJ	< 0.00487	< 0.00933 UJ	< 0.00872 UJ	< 0.00872 UJ
E1668C	PCB-3 (4-MoCB)	ng/L	< 0.00423	< 0.00546 UJ	< 0.00421	< 0.00228 UJ	< 0.00423	< 0.00794 UJ	0.0228 J	0.0709 J+	0.0727 J+	0.0727 J+
E1668C	PCB-4 (2,2'-DiCB)	ng/L	< 0.00724	< 0.00764	< 0.00719	< 0.00808	0.125	0.183	1.81	7.87	8.07	8.07
E1668C	PCB-5 (2,3'-DiCB)	ng/L	< 0.00176	< 0.00186	< 0.00175	< 0.00197	< 0.00176	< 0.00184	0.00604 J	0.0312 J	0.0274 J	0.0274 J
E1668C	PCB-6 (2,3'-DiCB)	ng/L	< 0.00903	< 0.00953	< 0.00897	< 0.0101	0.0120 J	0.0234 J	0.194	0.346	0.343	0.343
E1668C	PCB-7 (2,4-DiCB)	ng/L	< 0.00895	< 0.00945	< 0.00889	< 0.00999	< 0.00894	< 0.00933	0.0941	0.345	0.348	0.348
E1668C	PCB-8 (2,4'-DiCB)	ng/L	< 0.0118	< 0.0125	< 0.0117	< 0.0132	0.0171 J	< 0.0188 UJ	0.161	0.450	0.451	0.451
E1668C	PCB-9 (2,5-DiCB)	ng/L	< 0.00237	< 0.00250	< 0.00235	< 0.00264	< 0.00236	< 0.00247	0.00919 J	0.0141 J	0.0139 J	0.0139 J
E1668C	PCB-10 (2,6-DiCB)	ng/L	< 0.00281	< 0.00297	< 0.00279	< 0.00314	< 0.00281	0.00621 J	0.0106 J	0.0332 J	0.0381 J	0.0381 J
E1668C	PCB-11 (3,3'-DiCB)	ng/L	< 0.140	< 0.147	< 0.139	< 0.156	< 0.140	< 0.146	< 0.139	< 0.148	< 0.148	< 0.148
E1668C	PCB-12/13 (3,4-DiCB and/or 3,4'-DiCB)	ng/L	< 0.00506	< 0.00534	< 0.00503	< 0.00565	< 0.00505	0.00561 J	0.0171 J	0.0279 J	0.0347 J	0.0347 J
E1668C	PCB-14 (3,5-DiCB)	ng/L	< 0.00169	< 0.00178	< 0.00168	< 0.00188	< 0.00169	< 0.00176	< 0.00168	< 0.00179	< 0.00178	< 0.00178
E1668C	PCB-15 (4,4'-DiCB)	ng/L	< 0.00581	< 0.00613	< 0.00577	< 0.00649	0.0574	0.106	0.244	0.665	0.652	0.652
E1668C	PCB-16 (2,2',3'-TrCB)	ng/L	< 0.00593	< 0.00626	< 0.00589	< 0.00662	0.0131 J	< 0.0165 UJ	0.0798	0.131 J+	0.147 J+	0.147 J+
E1668C	PCB-17 (2,2',4'-TrCB)	ng/L	< 0.00496	< 0.00524	< 0.00493	< 0.00554	0.151	0.272	1.88	3.73	3.93	3.93
E1668C	PCB-18/30 (2,2',5'-TrCB and/or 2,4,6-TrCB)	ng/L	< 0.0110	< 0.0116	< 0.0109	< 0.0122	0.0602 J	0.0982 J+	0.323	0.397 J+	0.410 J+	0.410 J+
E1668C	PCB-19 (2,2',6'-TrCB)	ng/L	< 0.00802	< 0.00847	< 0.00797	< 0.00896	0.152	0.492	1.56	4.52	4.62	4.62
E1668C	PCB-20/28 (2,3,3'-TrCB and/or 2,4,4'-TrCB)	ng/L	< 0.0175	< 0.0185	< 0.0174	< 0.0196	0.116 J	0.235 J+	0.753	1.29	1.28	1.28
E1668C	PCB-21/33 (2,3,4'-TrCB and/or 2,3',4'-TrCB)	ng/L	< 0.0126	< 0.0133	< 0.0126	< 0.0141	< 0.0126	< 0.0167 UJ	0.0369 J	< 0.0951 UJ	< 0.0674 UJ	< 0.0674 UJ
E1668C	PCB-22 (2,3,4'-TrCB)	ng/L	< 0.00729	< 0.00770	< 0.00724	< 0.00814	0.0118 J	< 0.0212 UJ	0.0574 J	< 0.112 UJ	< 0.103 UJ	< 0.103 UJ
E1668C	PCB-23 (2,3,5'-TrCB)	ng/L	< 0.00153	< 0.00161	< 0.00152	< 0.00171	< 0.00153	< 0.00159	< 0.00152	< 0.00162	< 0.00161	< 0.00161
E1668C	PCB-24 (2,3,6'-TrCB)	ng/L	< 0.00184	< 0.00194	< 0.00183	< 0.00205	< 0.00184	< 0.00192	< 0.00183	< 0.00195	< 0.00194	< 0.00194
E1668C	PCB-25 (2,3',4'-TrCB)	ng/L	< 0.00275	< 0.00290	< 0.00273	< 0.00307	0.0671	0.135	0.638	1.00	0.993	0.993
E1668C	PCB-26/29 (2,3',5'-TrCB and/or 2,4,5'-TrCB)	ng/L	< 0.00441	< 0.00465	< 0.00438	< 0.00492	0.130	0.239	1.24	1.57	1.61	1.61
E1668C	PCB-27 (2,3',6'-TrCB)	ng/L	< 0.00194	< 0.00205	< 0.00193	< 0.00217	0.0156 J	0.0522	0.103	0.152	0.162	0.162
E1668C	PCB-31 (2,4',5'-TrCB)	ng/L	< 0.0170	< 0.0179	< 0.0168	< 0.0189	0.0544 J	< 0.100 UJ	0.288	0.432	0.409 J+	0.409 J+
E1668C	PCB-32 (2,4',6'-TrCB)	ng/L	< 0.00704	< 0.00743	< 0.00700	< 0.00786	0.0737	0.186	0.784	0.975	0.982	0.982
E1668C	PCB-34 (2,3',5'-TrCB)	ng/L	< 0.00156	< 0.00165	< 0.00155	< 0.00174	< 0.00156	0.00501 J	0.0220 J	0.0338 J	0.0358 J	0.0358 J
E1668C	PCB-35 (3,3',4'-TrCB)	ng/L	< 0.00308	< 0.00325	< 0.00306	< 0.00344	< 0.00307	< 0.00321	0.00479 J	0.00982 J	0.0124 J	0.0124 J
E1668C	PCB-36 (3,3',5'-TrCB)	ng/L	< 0.00194	< 0.00205	< 0.00193	< 0.00217	< 0.00194	< 0.00203	< 0.00194	< 0.00206	< 0.00205	< 0.00205
E1668C	PCB-37 (3,4,4'-TrCB)	ng/L	< 0.00406	< 0.00429	< 0.00403	< 0.00453	< 0.00406	< 0.0184 UJ	0.0443 J	< 0.0629 UJ	< 0.0673 UJ	< 0.0673 UJ
E1668C	PCB-38 (3,4,5'-TrCB)	ng/L	< 0.00143	< 0.00151	< 0.00142	< 0.00160	< 0.00143	< 0.00149	< 0.00142	< 0.00152	< 0.00151	< 0.00151
E1668C	PCB-39 (3,4',5'-TrCB)	ng/L	< 0.00158	< 0.00167	< 0.00157	< 0.00177	< 0.00158	< 0.00165	< 0.00158	< 0.00168	< 0.00167	< 0.00167
E1668C	PCB-40/41/71 (2,2',3,3'-TeCB and/or 2,2',3,3',4'-TeCB)	ng/L	< 0.00781	< 0.00825	< 0.00776	< 0.00872	0.188	0.259	1.41	1.39	1.40	1.40
E1668C	PCB-42 (2,2',3,4'-TeCB)	ng/L	< 0.00423	< 0.00447	< 0.00421	< 0.00473	0.133	0.158	0.748	0.700	0.698	0.698
E1668C	PCB-43/73 (2,2',3,5'-TeCB and/or 2,3',5'-TeCB)	ng/L	< 0.00377	< 0.00398	< 0.00375	< 0.00421	0.0240 J	0.0464 J	0.237	0.268	0.276	0.276
E1668C	PCB-44/47/65 (2,2',3,5'-TeCB and/or 2,3',5'-TeCB)	ng/L	< 0.0180	< 0.0190	< 0.0179	< 0.0201	0.792	1.00	4.27	4.63	4.67	4.67
E1668C	PCB-45/51 (2,2',3,6'-TeCB and/or 2,2',4,4'-TeCB)	ng/L	< 0.00554	< 0.00585	< 0.00551	< 0.00619	0.146	0.245	1.25	1.13	1.17	1.17
E1668C	PCB-46 (2,2',3,6'-TeCB)	ng/L	< 0.00219	< 0.00232	< 0.00218	< 0.00245	0.0536	0.0745	0.337	0.309	0.316	0.316
E1668C	PCB-48 (2,2',4,5'-TeCB)	ng/L	< 0.00281	< 0.00297	< 0.00279	< 0.00314	0.0131 J	< 0.0188 UJ	0.0395	0.0443 J+	0.0448 J+	0.0448 J+
E1668C	PCB-49/69 (2,2',4,5'-TeCB and/or 2,3',4,4'-TeCB)	ng/L	< 0.00650	< 0.00687	< 0.00646	< 0.00726	0.842	0.860	4.71	4.54	4.77	4.77
E1668C	PCB-50/53 (2,2',4,6'-TeCB and/or 2,2',5,5'-TeCB)	ng/L	< 0.00366	< 0.00386	< 0.00363	< 0.00408	0.214	0.278	1.32	1.31	1.36	1.36
E1668C	PCB-52 (2,2',5,5'-TeCB)	ng/L	< 0.0160	< 0.0169	< 0.0159	< 0.0179	1.57	1.44	6.03	6.02	6.16	6.16
E1668C	PCB-54 (2,2',6,6'-TeCB)	ng/L	< 0.00155	< 0.00164	< 0.00154	< 0.00173	0.0162 J	0.0372 J	0.144	0.233	0.247	0.247
E1668C	PCB-55 (2,3,3',4'-TeCB)	ng/L	< 0.00208	< 0.00219	< 0.00206	< 0.00232	< 0.00208	< 0.00217	< 0.00207	< 0.00220	< 0.00219	< 0.00219
E1668C	PCB-56 (2,3,3',4'-TeCB)	ng/L	< 0.00976	< 0.0103	< 0.00969	< 0.0109	0.0377 J	0.0594 J+	0.139	0.167	0.163	0.163
E1668C	PCB-57 (2,3,3',5'-TeCB)	ng/L	< 0.00145	< 0.00153	< 0.00144	< 0.00162	0.0106 J	0.0200 J	0.158	0.176	0.188	0.188
E1668C	PCB-58 (2,3,3',5'-TeCB)	ng/L	< 0.00183	< 0.00194	< 0.00182	< 0.00205	0.00370 J	0.00574 J	0.0373 J	0.0363 J	0.0352 J	0.0352 J
E1668C	PCB-59/62/75 (2,3,3',6'-TeCB and/or 2,3,3',4',5'-TeCB)	ng/L	< 0.00400	< 0.00422	< 0.00398	< 0.00447	0.0287 J	0.0404 J	0.216	0.241	0.246	0.246
E1668C	PCB-60 (2,3,4,4'-TeCB)	ng/L	< 0.00331	< 0.00349	< 0.00329	< 0.00370	0.00702 J	< 0.00946 UJ	0.0150 J	< 0.0205 UJ	< 0.0206 UJ	< 0.0206 UJ
E1668C	PCB-61/70/74/76 (2,3,4,5'-TeCB and/or 2,3,4,5'-TeCB)	ng/L	< 0.0310	< 0.0327	< 0.0308	< 0.0346	0.340	0.461	1.44	1.44	1.49	1.49
E1668C	PCB-63 (2,3,4',5'-TeCB)	ng/L	< 0.00168	< 0.00178	< 0.00167	< 0.00188	0.0147 J	0.0264 J	0.142	0.153	0.159	0.159
E1668C	PCB-64 (2,3,4',6'-TeCB)	ng/L	< 0.00541	< 0.00571	< 0.00537	< 0.00604	0.126	0.111 J+	0.444	0.404	0.429	0.429

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 BRRTS No. 02-08-587669

Sample ID Type Sample Date SYS_SAMPLE_CODE		NR-SW-EB EB 05/16/2023 NR-SW-EB-202305	NR-SW-EB EB 07/19/2023 NR-SW-EB-202307	NR-SW-FB FB 05/16/2023 NR-SW-FB-202305	NR-SW-FB FB 07/19/2023 NR-SW-FB-202307	NR-SW-OU1 N 05/16/2023 NR-SW-OU1-202305	NR-SW-OU1 N 07/19/2023 NR-SW-OU1-202307	NR-SW-OU2 N 05/16/2023 NR-SW-OU2-202305	NR-SW-OU2 N 07/19/2023 NR-SW-OU2-202307	NR-SW-OU2 FD 07/19/2023 NR-SW-DUP1-202307	
Method	Parameter	Units									
E1668C	PCB-66 (2,3',4,4'-TeCB)	ng/L	< 0.0212	< 0.0223	< 0.0210	< 0.0236	0.204	0.285	1.11	1.15	1.17
E1668C	PCB-67 (2,3',4,5'-TeCB)	ng/L	< 0.00217	< 0.00230	< 0.00216	< 0.00243	0.00631 J	0.0116 J	0.0753	0.0816	0.0869
E1668C	PCB-68 (2,3',4,5'-TeCB)	ng/L	< 0.00242	< 0.00256	< 0.00241	< 0.00271	0.0163 J	0.0281 J	0.163	0.183	0.182
E1668C	PCB-72 (2,3',5,5'-TeCB)	ng/L	< 0.00171	< 0.00180	< 0.00169	< 0.00190	0.0202 J	0.0319 J	0.204	0.234	0.222
E1668C	PCB-77 (3,3',4,4'-TeCB)	ng/L	< 0.00256	< 0.00270	< 0.00254	< 0.00286	0.00839 J	0.0168 J	0.0601	0.0649	0.0697
E1668C	PCB-78 (3,3',4,5'-TeCB)	ng/L	< 0.00223	< 0.00236	< 0.00222	< 0.00249	< 0.00223	< 0.00233	< 0.00222	< 0.00237	0.00569 J
E1668C	PCB-79 (3,3',4,5'-TeCB)	ng/L	< 0.00225	< 0.00238	< 0.00224	< 0.00251	0.0113 J	0.00984 J	0.0621	0.0460	0.0473
E1668C	PCB-80 (3,3',5,5'-TeCB)	ng/L	< 0.00206	< 0.00217	< 0.00205	< 0.00230	< 0.00206	< 0.00215	< 0.00205	< 0.00218	< 0.00217
E1668C	PCB-81 (3,4,4',5'-TeCB)	ng/L	< 0.00172	< 0.00182	< 0.00171	< 0.00192	< 0.00172	< 0.00179	0.00429 J	< 0.00182	< 0.00182
E1668C	PCB-82 (2,2',3,3',4'-PeCB)	ng/L	< 0.00248	< 0.00262	< 0.00247	< 0.00277	0.0862	0.0778	0.184	0.225	0.214
E1668C	PCB-83 (2,2',3,3',5'-PeCB)	ng/L	< 0.00231	< 0.00244	< 0.00229	< 0.00258	0.0986	0.0792	0.434	0.389	0.378
E1668C	PCB-84 (2,2',3,3',6'-PeCB)	ng/L	< 0.0128	< 0.0135	< 0.0127	< 0.0143	0.309	0.267	1.17	0.900	0.889
E1668C	PCB-85/116/117 (2,2',3,4,4'-PeCB and/or 2,2',3,4,4',5'-PeCB)	ng/L	< 0.00502	< 0.00530	< 0.00499	< 0.00561	0.284	0.142	0.645	0.619	0.628
E1668C	PCB-86/87/97/108/119/125 (2,2',3,4,5'-PeCB and/or 2,2',3,4,6'-PeCB)	ng/L	< 0.0147	< 0.0155	< 0.0146	< 0.0164	0.829	0.612	2.45	2.28	2.24
E1668C	PCB-88/91 (2,2',3,4,6'-PeCB and/or 2,2',3,4,6',6'-PeCB)	ng/L	< 0.00477	< 0.00504	< 0.00474	< 0.00533	0.270	0.207	1.16	1.02	1.00
E1668C	PCB-89 (2,2',3,4,6'-PeCB)	ng/L	< 0.00302	< 0.00319	< 0.00300	< 0.00337	0.00417 J	0.00488 J	0.0216 J	0.0181 J	0.0148 J
E1668C	PCB-90/101/113 (2,2',3,4',5'-PeCB and/or 2,2',3,5,5'-PeCB)	ng/L	< 0.0115	< 0.0122	< 0.0115	< 0.0129	1.60	1.02	4.55	4.03	4.01
E1668C	PCB-92 (2,2',3,5,5'-PeCB)	ng/L	< 0.00379	< 0.00400	< 0.00377	< 0.00423	0.430	0.317	1.89	1.62	1.62
E1668C	PCB-93/98/100/102 (2,2',3,5,6'-PeCB and/or 2,2',3,5,6',6'-PeCB)	ng/L	< 0.00547	< 0.00577	< 0.00543	< 0.00610	0.0641 J	0.0724 J	0.444	0.378	0.382
E1668C	PCB-94 (2,2',3,5,6'-PeCB)	ng/L	< 0.00183	< 0.00193	< 0.00181	< 0.00204	0.0219 J	0.0294 J	0.206	0.189	0.187
E1668C	PCB-95 (2,2',3,5',6'-PeCB)	ng/L	< 0.00841	< 0.00888	< 0.00835	< 0.00939	1.33	0.849	3.99	2.92	2.93
E1668C	PCB-96 (2,2',3,6,6'-PeCB)	ng/L	< 0.00304	< 0.00321	< 0.00302	< 0.00339	0.0108 J	0.0126 J	0.0758	0.0608	0.0590
E1668C	PCB-99 (2,2',4,4',5'-PeCB)	ng/L	< 0.00572	< 0.00603	< 0.00568	< 0.00638	1.06	0.428	2.19	1.85	1.78
E1668C	PCB-103 (2,2',4,5',6'-PeCB)	ng/L	< 0.00189	< 0.00200	< 0.00188	< 0.00211	0.0226 J	0.0206 J	0.147	0.131	0.133
E1668C	PCB-104 (2,2',4,6,6'-PeCB)	ng/L	< 0.00148	< 0.00156	< 0.00147	< 0.00165	< 0.00147	0.00155 J	0.00731 J	0.00964 J	0.0102 J
E1668C	PCB-105 (2,3',4,4',4'-PeCB)	ng/L	< 0.00548	< 0.00579	< 0.00545	< 0.00612	0.159	0.233	0.765	0.811	0.832
E1668C	PCB-106 (2,3',4,4',5'-PeCB)	ng/L	< 0.00172	< 0.00181	< 0.00171	< 0.00192	< 0.00172	< 0.00179	< 0.00171	< 0.00182	< 0.00181
E1668C	PCB-107/124 (2,3',3',4',5'-PeCB and/or 2,2',3,3',4',5'-PeCB)	ng/L	< 0.00254	< 0.00268	< 0.00252	< 0.00284	0.0260 J	0.0298 J	0.107	0.107	0.103
E1668C	PCB-109 (2,3',4,6'-PeCB)	ng/L	< 0.00192	< 0.00203	< 0.00191	< 0.00215	0.0553	0.0691	0.375	0.356	0.362
E1668C	PCB-110/115 (2,3',3',4',6'-PeCB and/or 2,2',3,3',4',6'-PeCB)	ng/L	< 0.0125	< 0.0132	< 0.0124	< 0.0140	1.65	1.18	6.01	4.98	5.00
E1668C	PCB-111 (2,3',3',5,5'-PeCB)	ng/L	< 0.00198	< 0.00209	< 0.00197	< 0.00221	< 0.00198	0.00229 J	0.0172 J	0.0197 J	0.0174 J
E1668C	PCB-112 (2,3',3',5,6'-PeCB)	ng/L	< 0.00171	< 0.00181	< 0.00170	< 0.00191	< 0.00171	< 0.00178	< 0.00170	< 0.00181	< 0.00181
E1668C	PCB-114 (2,3,4,4',5'-PeCB)	ng/L	< 0.00221	< 0.00234	< 0.00220	< 0.00247	0.00575 J	0.00788 J	0.0280 J	0.0329 J	0.0301 J
E1668C	PCB-118 (2,3',4,4',5'-PeCB)	ng/L	< 0.00866	< 0.00914	< 0.00860	< 0.00967	0.510	0.787	2.85	3.07	3.05
E1668C	PCB-120 (2,3',4,5,5'-PeCB)	ng/L	< 0.00165	< 0.00174	< 0.00164	< 0.00184	0.00442 J	0.00437 J	0.0420	0.0345 J	0.0355 J
E1668C	PCB-121 (2,3',4,5',6'-PeCB)	ng/L	< 0.00126	< 0.00133	< 0.00125	< 0.00141	< 0.00126	< 0.00131	0.0103 J	0.00761 J	< 0.00133
E1668C	PCB-122 (2,3',3',4',5'-PeCB)	ng/L	< 0.00188	< 0.00198	< 0.00187	< 0.00210	0.00652 J	0.00690 J	0.0233 J	0.0293 J	0.0304 J
E1668C	PCB-123 (2,3',4,4',5'-PeCB)	ng/L	< 0.00214	< 0.00225	< 0.00212	< 0.00238	0.0116 J	0.0133 J	0.0373 J	0.0474	0.0417
E1668C	PCB-126 (3,3',4,4',5'-PeCB)	ng/L	< 0.00216	< 0.00227	< 0.00214	< 0.00241	< 0.00215	0.00244 J	0.00824 J	0.00932 J	0.0137 J
E1668C	PCB-127 (3,3',4,5,5'-PeCB)	ng/L	< 0.00129	< 0.00136	< 0.00128	< 0.00144	< 0.00129	< 0.00135	< 0.00129	< 0.00137	< 0.00136
E1668C	PCB-128/166 (2,2',3,3',4,4'-HxCB and/or 2,2',3,3',4,4',5'-HxCB)	ng/L	< 0.00421	< 0.00445	< 0.00419	< 0.00471	0.117	0.125	0.546	0.510	0.552
E1668C	PCB-129/138/163 (2,2',3,3',4,5'-HxCB and/or 2,2',3,3',4,5',6'-HxCB)	ng/L	< 0.0106	< 0.0112	< 0.0105	< 0.0118	0.732	0.835	2.99	3.51	3.68
E1668C	PCB-130 (2,2',3,3',4,5'-HxCB)	ng/L	< 0.00212	< 0.00223	< 0.00210	< 0.00236	0.0552	0.0582	0.263	0.211	0.247
E1668C	PCB-131 (2,2',3,3',4,6'-HxCB)	ng/L	< 0.00273	< 0.00288	< 0.00271	< 0.00305	0.0146 J	0.0124 J	0.0461	0.0409	0.0444
E1668C	PCB-132 (2,2',3,3',4,6'-HxCB)	ng/L	< 0.00398	< 0.00420	< 0.00396	< 0.00445	0.254	0.265	1.33	1.17	1.18
E1668C	PCB-133 (2,2',3,3',5,5'-HxCB)	ng/L	< 0.00258	< 0.00272	< 0.00256	< 0.00288	0.0161 J	0.0174 J	0.103	0.107	0.107
E1668C	PCB-134/143 (2,2',3,3',5,6'-HxCB and/or 2,2',3,3',4,5,6'-HxCB)	ng/L	< 0.00387	< 0.00408	< 0.00384	< 0.00432	0.0582 J	0.0558 J	0.285	0.267	0.267
E1668C	PCB-135/151 (2,2',3,3',6'-PeCB and/or 2,2',3,3',4,5,6'-PeCB)	ng/L	< 0.00502	< 0.00530	< 0.00499	< 0.00561	0.342	0.233	1.40	1.09	1.13
E1668C	PCB-136 (2,2',3,3',5,6'-HxCB)	ng/L	< 0.00277	< 0.00292	< 0.00275	< 0.00309	0.117	0.0937	0.565	0.389	0.389
E1668C	PCB-137 (2,2',3,4,4',5'-HxCB)	ng/L	< 0.00248	< 0.00262	< 0.00247	< 0.00277	0.0478	0.0428	0.148	0.136	0.175
E1668C	PCB-139/140 (2,2',3,4,4',6'-HxCB and/or 2,2',3,4,4',5,6'-HxCB)	ng/L	< 0.00425	< 0.00449	< 0.00422	< 0.00475	0.0263 J	0.0171 J	0.0844	0.0768 J	0.0742 J
E1668C	PCB-141 (2,2',3,4,5,5'-HxCB)	ng/L	< 0.00239	< 0.00252	< 0.00237	< 0.00266	0.116	0.109	0.382	0.348	0.402
E1668C	PCB-142 (2,2',3,4,5,6'-HxCB)	ng/L	< 0.00187	< 0.00197	< 0.00185	< 0.00208	< 0.00186	< 0.00195	< 0.00186	< 0.00198	< 0.00197
E1668C	PCB-144 (2,2',3,4,5,6'-HxCB)	ng/L	< 0.00202	< 0.00213	< 0.00201	< 0.00226	0.0298 J	0.0235 J	0.104	0.0782	0.0811
E1668C	PCB-145 (2,2',3,4,6,6'-HxCB)	ng/L	< 0.00194	< 0.00205	< 0.00193	< 0.00217	< 0.00194	< 0.00203	< 0.00194	< 0.00206	< 0.00205
E1668C	PCB-146 (2,2',3,4',5,5'-HxCB)	ng/L	< 0.00246	< 0.00260	< 0.00245	< 0.00275	0.114	0.105	0.531	0.475	0.506
E1668C	PCB-147/149 (2,2',3,4',5,6'-HxCB and/or 2,2',3,3',4,5,6'-HxCB)	ng/L	< 0.00870	< 0.00918	< 0.00864	< 0.00971	0.650	0.547	2.92	2.53	2.56

Table X. Surface Water Sampling Results
 Hayton Area Remediation Project – Long-Term Natural Recovery Monitoring
 BRRTS No. 02-08-587669

Method	Parameter	Sample ID Type Sample Date SYS_SAMPLE_CODE	NR-SW-EB	NR-SW-EB	NR-SW-FB	NR-SW-FB	NR-SW-OU1	NR-SW-OU1	NR-SW-OU2	NR-SW-OU2	NR-SW-OU2
			EB 05/16/2023 NR-SW-EB-202305	EB 07/19/2023 NR-SW-EB-202307	FB 05/16/2023 NR-SW-FB-202305	FB 07/19/2023 NR-SW-FB-202307	N 05/16/2023 NR-SW-OU1-202305	N 07/19/2023 NR-SW-OU1-202307	N 05/16/2023 NR-SW-OU2-202305	N 07/19/2023 NR-SW-OU2-202307	N 07/19/2023 NR-SW-DUP1-202307
Units											
E1668C	PCB-148 (2,2',3,4',5,6'-HxCB)	ng/L	< 0.00227	< 0.00240	< 0.00226	< 0.00254	0.00230 J	0.00305 J	0.0235 J	0.0186 J	0.0186 J
E1668C	PCB-150 (2,2',3,4',6,6'-HxCB)	ng/L	< 0.00126	< 0.00133	< 0.00125	< 0.00141	0.00249 J	0.00274 J	0.0200 J	0.0136 J	0.0153 J
E1668C	PCB-152 (2,2',3,5,6,6'-HxCB)	ng/L	< 0.00206	< 0.00217	< 0.00205	< 0.00230	< 0.00206	0.00258 J	0.0135 J	0.0119 J	0.00882 J
E1668C	PCB-153/168 (2,2',4,4',5,5'-HxCB and/or	ng/L	< 0.00747	< 0.00788	< 0.00742	< 0.00834	0.638	0.499	2.25	2.06	2.20
E1668C	PCB-154 (2,2',4,4',5,6'-HxCB)	ng/L	< 0.00170	< 0.00179	< 0.00169	< 0.00190	0.0175 J	0.0116 J	0.0944	0.0709	0.0751
E1668C	PCB-155 (2,2',4,4',5,6'-HxCB)	ng/L	< 0.00149	< 0.00157	< 0.00148	< 0.00166	< 0.00149	< 0.00155	< 0.00148	< 0.00158	< 0.00157
E1668C	PCB-156/157 (2,3,3',4,4',5'-HxCB and/or	ng/L	< 0.00431	< 0.00455	< 0.00428	< 0.00481	0.0680 J	0.0970	0.413	0.431	0.432
E1668C	PCB-158 (2,3,3',4,4',6-HxCB)	ng/L	< 0.00250	< 0.00264	< 0.00249	< 0.00279	0.0585	0.0689	0.254	0.268	0.274
E1668C	PCB-159 (2,3,3',4,5,5'-HxCB)	ng/L	< 0.00271	< 0.00286	< 0.00270	< 0.00303	< 0.00271	< 0.00283	0.0107 J	0.00984 J	0.0105 J
E1668C	PCB-160 (2,3,3',4,5,6-HxCB)	ng/L	< 0.00250	< 0.00264	< 0.00249	< 0.00279	< 0.00250	< 0.00261	< 0.00249	< 0.00265	< 0.00264
E1668C	PCB-161 (2,3,3',4,5,6'-HxCB)	ng/L	< 0.00181	< 0.00191	< 0.00179	< 0.00202	< 0.00180	< 0.00188	< 0.00180	< 0.00191	< 0.00191
E1668C	PCB-162 (2,3,3',4',5,5'-HxCB)	ng/L	< 0.00225	< 0.00238	< 0.00224	< 0.00251	< 0.00225	< 0.00235	0.0117 J	0.0105 J	0.0147 J
E1668C	PCB-164 (2,3,3',4',5,6'-HxCB)	ng/L	< 0.00235	< 0.00248	< 0.00233	< 0.00262	0.0468	0.0509	0.225	0.223	0.218
E1668C	PCB-165 (2,3,3',5,5,6'-HxCB)	ng/L	< 0.00200	< 0.00211	< 0.00199	< 0.00223	< 0.00200	< 0.00209	0.00710 J	0.00652 J	0.0101 J
E1668C	PCB-167 (2,3,3',4',5,5'-HxCB)	ng/L	< 0.00208	< 0.00219	< 0.00206	< 0.00232	0.0214 J	0.0331 J	0.130	0.130	0.137
E1668C	PCB-169 (3,3',4,4',5,5'-HxCB)	ng/L	< 0.00155	< 0.00164	< 0.00154	< 0.00174	< 0.00155	< 0.00162	0.00277 J	< 0.00165	< 0.00164
E1668C	PCB-170 (2,2',3,3',4,4',5'-HpCB)	ng/L	< 0.00481	< 0.00508	< 0.00478	< 0.00537	0.0513	0.0696	0.370	0.388	0.404
E1668C	PCB-171/173 (2,2',3,3',4,4',6-HpCB and	ng/L	< 0.00589	< 0.00622	< 0.00585	< 0.00657	0.0215 J	0.0238 J	0.128	0.127	0.132
E1668C	PCB-172 (2,2',3,3',4,5,5'-HpCB)	ng/L	< 0.0136	< 0.0144	< 0.0136	< 0.0152	< 0.0136	< 0.0142	0.0670	0.0688	0.0745
E1668C	PCB-174 (2,2',3,3',4,5,6'-HpCB)	ng/L	< 0.00310	< 0.00327	< 0.00308	< 0.00346	0.0552	0.0709	0.355	0.332	0.339
E1668C	PCB-175 (2,2',3,3',4,5,6'-HpCB)	ng/L	< 0.00147	< 0.00155	< 0.00146	< 0.00164	0.00229 J	0.00347 J	0.0161 J	0.0150 J	0.0181 J
E1668C	PCB-176 (2,2',3,3',4,6,6'-HpCB)	ng/L	< 0.00217	< 0.00230	< 0.00216	< 0.00243	0.00598 J	0.00857 J	0.0563	0.0409	0.0491
E1668C	PCB-177 (2,2',3,3',4,5,6'-HpCB)	ng/L	< 0.00325	< 0.00343	< 0.00323	< 0.00363	0.0385	0.0475	0.273	0.257	0.274
E1668C	PCB-178 (2,2',3,3',5,5,6'-HpCB)	ng/L	< 0.00219	< 0.00232	< 0.00218	< 0.00245	0.0181 J	0.0164 J	0.121	0.0993	0.112
E1668C	PCB-179 (2,2',3,3',5,6,6'-HpCB)	ng/L	< 0.00235	< 0.00248	< 0.00233	< 0.00262	0.0344 J	0.0328 J	0.209	0.156	0.173
E1668C	PCB-180/193 (2,2',3,4,4',5,5'-HpCB and	ng/L	< 0.00556	< 0.00587	< 0.00552	< 0.00621	0.0899	0.124	0.669	0.640	0.679
E1668C	PCB-181 (2,2',3,4,4',5,6'-HpCB)	ng/L	< 0.00266	< 0.00280	< 0.00264	< 0.00297	< 0.00265	< 0.00277	0.0107 J	0.00789 J	0.00932 J
E1668C	PCB-182 (2,2',3,4,4',5,6'-HpCB)	ng/L	< 0.00250	< 0.00264	< 0.00249	< 0.00279	< 0.00250	< 0.00261	0.00370 J	0.00450 J	0.00605 J
E1668C	PCB-183/185 (2,2',3,4,4',5,6'-HpCB and	ng/L	< 0.00550	< 0.00581	< 0.00547	< 0.00615	0.0429 J	0.0429 J	0.217	0.196	0.210
E1668C	PCB-184 (2,2',3,4,4',6,6'-HpCB)	ng/L	< 0.00202	< 0.00213	< 0.00201	< 0.00226	< 0.00202	< 0.00211	< 0.00201	< 0.00214	< 0.00213
E1668C	PCB-186 (2,2',3,4,5,6,6'-HpCB)	ng/L	< 0.00152	< 0.00160	< 0.00151	< 0.00170	< 0.00152	< 0.00159	< 0.00151	< 0.00161	< 0.00161
E1668C	PCB-187 (2,2',3,4',5,5'-HpCB)	ng/L	< 0.00318	< 0.00335	< 0.00315	< 0.00355	0.0878	0.0882	0.504	0.434	0.491
E1668C	PCB-188 (2,2',3,4',5,6,6'-HpCB)	ng/L	< 0.00241	< 0.00254	< 0.00239	< 0.00269	< 0.00240	< 0.00251	< 0.00240	< 0.00255	0.00310 J
E1668C	PCB-189 (2,3,3',4,4',5,5'-HpCB)	ng/L	< 0.00210	< 0.00221	< 0.00208	< 0.00234	< 0.00209	0.00372 J	0.0165 J	0.0217 J	0.0189 J
E1668C	PCB-190 (2,3,3',4,4',5,6'-HpCB)	ng/L	< 0.00246	< 0.00260	< 0.00245	< 0.00275	0.0114 J	0.0140 J	0.0833	0.0804	0.0871
E1668C	PCB-191 (2,3,3',4,4',5,6'-HpCB)	ng/L	< 0.00212	< 0.00223	< 0.00210	< 0.00236	< 0.00211	0.00320 J	0.0124 J	0.0140 J	0.0124 J
E1668C	PCB-192 (2,3,3',4,5,5',6'-HpCB)	ng/L	< 0.00241	< 0.00254	< 0.00239	< 0.00269	< 0.00240	< 0.00251	< 0.00240	< 0.00255	< 0.00254
E1668C	PCB-194 (2,2',3,3',4,4',5,5'-OxCB)	ng/L	< 0.00182	< 0.00192	< 0.00180	< 0.00203	0.0163 J	0.0240 J	0.140	0.134	0.143
E1668C	PCB-195 (2,2',3,3',4,4',5,6'-OxCB)	ng/L	< 0.00167	< 0.00177	< 0.00166	< 0.00187	0.00447 J	0.0111 J	0.0643	0.0650	0.0752
E1668C	PCB-196 (2,2',3,3',4,4',5,6'-OxCB)	ng/L	< 0.00169	< 0.00179	< 0.00168	< 0.00189	0.00871 J	0.0109 J	0.0697	0.0700	0.0715
E1668C	PCB-197/200 (2,2',3,3',4,4',6,6'-OxCB and	ng/L	< 0.00458	< 0.00483	< 0.00455	< 0.00511	< 0.00457	< 0.00478	0.0301 J	0.0267 J	0.0302 J
E1668C	PCB-198/199 (2,2',3,3',4,5,5',6'-OxCB and	ng/L	< 0.00275	< 0.00290	< 0.00273	< 0.00307	0.0221 J	0.0295 J	0.190	0.186	0.202
E1668C	PCB-201 (2,2',3,3',4,5',6,6'-OxCB)	ng/L	< 0.00140	< 0.00148	< 0.00139	< 0.00156	0.00208 J	0.00330 J	0.0222 J	0.0191 J	0.0194 J
E1668C	PCB-202 (2,2',3,3',5,5',6,6'-OxCB)	ng/L	< 0.00225	< 0.00238	< 0.00224	< 0.00251	0.00440 J	0.00528 J	0.0350 J	0.0369 J	0.0403 J
E1668C	PCB-203 (2,2',3,4,4',5,5',6'-OxCB)	ng/L	< 0.00176	< 0.00186	< 0.00175	< 0.00197	0.0106 J	0.0156 J	0.0965	0.0957	0.0986
E1668C	PCB-204 (2,2',3,4,4',5,6,6'-OxCB)	ng/L	< 0.00164	< 0.00173	< 0.00162	< 0.00183	< 0.00163	< 0.00171	< 0.00163	< 0.00173	< 0.00173
E1668C	PCB-205 (2,3,3',4,4',5,5',6'-OxCB)	ng/L	< 0.00192	< 0.00203	< 0.00191	< 0.00215	< 0.00192	< 0.00201	0.00845 J	0.0101 J	0.0103 J
E1668C	PCB-206 (2,2',3,3',4,4',5,5',6'-NoCB)	ng/L	< 0.00373	< 0.00394	< 0.00371	< 0.00417	0.00567 J	0.00847 J	0.0396	0.0569	0.0577
E1668C	PCB-207 (2,2',3,3',4,4',5,6,6'-NoCB)	ng/L	< 0.00223	< 0.00236	< 0.00222	< 0.00249	< 0.00223	< 0.00233	0.00673 J	0.00850 J	0.00619 J
E1668C	PCB-208 (2,2',3,3',4,5,5',6,6'-NoCB)	ng/L	< 0.00217	< 0.00230	< 0.00216	< 0.00243	< 0.00217	< 0.00227	0.00804 J	0.0122 J	0.0118 J
E1668C	PCB-209 (DeCB) (Decachlorobiphenyl)	ng/L	< 0.0167	< 0.0177	< 0.0166	< 0.0187	< 0.0167	< 0.0175	< 0.0167	< 0.0178	< 0.0177
E1668C	Total Monochloro Biphenyls	ng/L	< 0.00537	< 0.00567	< 0.00533	0.0413 J	0.0110 J	0.0463 J	0.290	1.52 J	1.57 J
E1668C	Total Dichloro Biphenyls	ng/L	< 0.140	< 0.147	< 0.139	< 0.148	0.211 J	0.343 J	2.52 J	9.78 J	9.98 J
E1668C	Total Trichloro Biphenyls	ng/L	< 0.0175	< 0.0185	< 0.0174	< 0.0185	0.845 J	1.87 J	7.81 J	14.5 J	14.8 J
E1668C	Total Tetrachloro Biphenyls	ng/L	< 0.0310	< 0.0327	< 0.0308	< 0.0328	4.82 J	5.53 J	24.7 J	25.0 J	25.6 J
E1668C	Total Pentachloro Biphenyls	ng/L	< 0.0147	< 0.0155	< 0.0146	< 0.0155	8.84 J	6.47 J	29.8 J	26.2 J	26.0 J
E1668C	Total Hexachloro Biphenyls	ng/L	< 0.0106	< 0.0112	< 0.0105	< 0.0112	3.54 J	3.31 J	15.2 J	14.2 J	14.8 J

Table X. Surface Water Sampling Results
 Hayton Area Remediation Project – Long-Term Natural Recovery Monitoring
 BRRTS No. 02-08-587669

		Sample ID Type Sample Date SYS_SAMPLE_CODE	NR-SW-EB EB 05/16/2023 NR-SW-EB-202305	NR-SW-EB EB 07/19/2023 NR-SW-EB-202307	NR-SW-FB FB 05/16/2023 NR-SW-FB-202305	NR-SW-FB FB 07/19/2023 NR-SW-FB-202307	NR-SW-OU1 N 05/16/2023 NR-SW-OU1-202305	NR-SW-OU1 N 07/19/2023 NR-SW-OU1-202307	NR-SW-OU2 N 05/16/2023 NR-SW-OU2-202305	NR-SW-OU2 N 07/19/2023 NR-SW-OU2-202307	NR-SW-OU2 FD 07/19/2023 NR-SW-DUP1-202307
Method	Parameter	Units									
E1668C	Total Heptachloro Biphenyls	ng/L	< 0.0136	< 0.0144	< 0.0136	< 0.0144	0.451 J	0.537 J	3.09 J	2.87 J	3.06 J
E1668C	Total Octachloro Biphenyls	ng/L	< 0.00458	< 0.00483	< 0.00455	< 0.00485	0.0514 J	0.0744 J	0.655 J	0.643 J	0.671 J
E1668C	Total Nonachloro Biphenyls	ng/L	< 0.00373	< 0.00394	< 0.00371	< 0.00395	0.00567 J	0.00847 J	0.0463 J	0.0691 J	0.0695 J
E1668C	Polychlorinated biphenyls (Total PCBs)	ng/L	< 0.140	< 0.147	< 0.139	0.0413 J	18.8 J	18.2 J	84.1 J	94.7 J	96.6 J

Footnotes:

1. -- = Not analyzed
2. J = Estimated value
3. J+ = Estimated value, potential high bias
4. UJ = Estimated non-detect
5. ** = Potential sample labeling/switching issue

Table X. Surface Water Sampling Results
 Hayton Area Remediation Project – Long-Term Natural Recovery Monitoring
 BRRTS No. 02-08-587669

		Sample ID Type Sample Date	NR-SW-OU3 N 05/16/2023	NR-SW-OU3 N 07/19/2023	NR-SW-OU4 N 05/16/2023	NR-SW-OU4 N 07/19/2023
		SYS_SAMPLE_CODE	NR-SW-OU3-202305	NR-SW-OU3-202307	NR-SW-OU4-202305	NR-SW-OU4-202307
Method	Parameter	Units				
SM2540D	Total Suspended Solids (TSS)	mg/L	12.2	9.2	14.5	5.2
SMS310C	Dissolved Organic Carbon	mg/L	6.3	5.9 J	11.3	8.3
SMS310C	Total Organic Carbon	mg/L	5.6	4.7 J	10.4	7.4
E1668C	PCB-1 (2-MoCB)	ng/L	0.225	0.367	< 0.00535	0.0678 J+
E1668C	PCB-2 (3-MoCB)	ng/L	< 0.00492	< 0.00641 UJ	< 0.00487	< 0.00838 UJ
E1668C	PCB-3 (4-MoCB)	ng/L	0.0184 J	< 0.0221 UJ	< 0.00422	< 0.0109 UJ
E1668C	PCB-4 (2,2'-DiCB)	ng/L	1.24	1.96	< 0.00721	0.267
E1668C	PCB-5 (2,3'-DiCB)	ng/L	0.00349 J	0.00455 J	< 0.00176	< 0.00183
E1668C	PCB-6 (2,3'-DiCB)	ng/L	0.175	0.183	< 0.00900	0.158
E1668C	PCB-7 (2,4-DiCB)	ng/L	0.0738	0.0761	< 0.00892	0.0367 J
E1668C	PCB-8 (2,4'-DiCB)	ng/L	0.0883	0.0850 J+	< 0.0118	< 0.0334 UJ
E1668C	PCB-9 (2,5-DiCB)	ng/L	0.0300 J	0.0412	< 0.00236	0.0459
E1668C	PCB-10 (2,6-DiCB)	ng/L	0.0195 J	0.0379 J	< 0.00280	< 0.00291
E1668C	PCB-11 (3,3'-DiCB)	ng/L	< 0.141	< 0.144	< 0.139	< 0.145
E1668C	PCB-12/13 (3,4-DiCB and/or 3,4'-DiCB)	ng/L	0.0108 J	0.0176 J	< 0.00505	< 0.00525
E1668C	PCB-14 (3,5-DiCB)	ng/L	< 0.00170	< 0.00173	< 0.00168	< 0.00175
E1668C	PCB-15 (4,4'-DiCB)	ng/L	0.108	0.106	< 0.00579	0.0130 J
E1668C	PCB-16 (2,2',3'-TrCB)	ng/L	0.0436	< 0.0381 UJ	< 0.00591	< 0.0117 UJ
E1668C	PCB-17 (2,2',4'-TrCB)	ng/L	1.08	1.01	0.0183 J	0.147 J+
E1668C	PCB-18/30 (2,2',5'-TrCB and/or 2,4,6-TrCB)	ng/L	0.275	0.285 J+	0.0158 J	0.134 J+
E1668C	PCB-19 (2,2',6'-TrCB)	ng/L	0.935	1.14	< 0.00800	0.121
E1668C	PCB-20/28 (2,3,3'-TrCB and/or 2,4,4'-TrCB)	ng/L	0.450	0.452 J+	0.0603 J	0.218 J+
E1668C	PCB-21/33 (2,3,4'-TrCB and/or 2,3',4'-TrCB)	ng/L	0.0328 J	< 0.0409 UJ	0.0141 J	< 0.0536 UJ
E1668C	PCB-22 (2,3,4'-TrCB)	ng/L	0.0295 J	< 0.0315 UJ	< 0.00727	< 0.0175 UJ
E1668C	PCB-23 (2,3,5'-TrCB)	ng/L	< 0.00154	0.00431 J	< 0.00152	0.00320 J
E1668C	PCB-24 (2,3,6'-TrCB)	ng/L	< 0.00185	< 0.00189	< 0.00183	< 0.00191
E1668C	PCB-25 (2,3',4'-TrCB)	ng/L	0.641	0.721	0.0177 J	0.236
E1668C	PCB-26/29 (2,3',5'-TrCB and/or 2,4,5'-TrCB)	ng/L	1.22	1.38	0.0274 J	0.430
E1668C	PCB-27 (2,3',6'-TrCB)	ng/L	0.130	0.153	< 0.00194	0.0255 J
E1668C	PCB-31 (2,4',5'-TrCB)	ng/L	0.230	0.246 J+	0.0206 J	0.100 J+
E1668C	PCB-32 (2,4',6'-TrCB)	ng/L	0.444	0.321	0.0274 J	< 0.0298 UJ
E1668C	PCB-34 (2,3',5'-TrCB)	ng/L	0.0264 J	0.0322 J	0.00223 J	0.0252 J
E1668C	PCB-35 (3,3',4'-TrCB)	ng/L	0.00465 J	0.00869 J	< 0.00307	< 0.00319
E1668C	PCB-36 (3,3',5'-TrCB)	ng/L	< 0.00196	< 0.00200	< 0.00194	< 0.00201
E1668C	PCB-37 (3,4,4'-TrCB)	ng/L	0.0224 J	< 0.0238 UJ	< 0.00405	< 0.0188 UJ
E1668C	PCB-38 (3,4,5'-TrCB)	ng/L	< 0.00144	< 0.00147	< 0.00143	< 0.00148
E1668C	PCB-39 (3,4',5'-TrCB)	ng/L	< 0.00159	< 0.00163	< 0.00158	< 0.00164
E1668C	PCB-40/41/71 (2,2',3,3'-TeCB and/or 2,2',3,4'-TeCB)	ng/L	0.913	0.674	0.0728 J	0.242
E1668C	PCB-42 (2,2',3,4'-TeCB)	ng/L	0.509	0.382	0.0514	0.183
E1668C	PCB-43/73 (2,2',3,5'-TeCB and/or 2,3',5'-TeCB)	ng/L	0.172	0.148	0.00793 J	0.0505 J
E1668C	PCB-44/47/65 (2,2',3,5'-TeCB and/or 2,2',3,4'-TeCB)	ng/L	2.73	2.26	0.240	0.940
E1668C	PCB-45/51 (2,2',3,6'-TeCB and/or 2,2',4,5'-TeCB)	ng/L	0.725	0.524	0.0496 J	0.121
E1668C	PCB-46 (2,2',3,6'-TeCB)	ng/L	0.224	0.183	0.0243 J	0.0656
E1668C	PCB-48 (2,2',4,5'-TeCB)	ng/L	0.0166 J	< 0.0187 UJ	< 0.00280	< 0.0164 UJ
E1668C	PCB-49/69 (2,2',4,5'-TeCB and/or 2,3',4,5'-TeCB)	ng/L	3.84	3.30	0.264	1.34
E1668C	PCB-50/53 (2,2',4,6'-TeCB and/or 2,2',5,6'-TeCB)	ng/L	0.982	0.885	0.0807	0.262
E1668C	PCB-52 (2,2',5,5'-TeCB)	ng/L	5.10	4.83	0.277	1.85
E1668C	PCB-54 (2,2',6,6'-TeCB)	ng/L	0.0849	0.0868	0.00445 J	0.0148 J
E1668C	PCB-55 (2,3,3',4'-TeCB)	ng/L	< 0.00209	0.00994 J	< 0.00207	0.00664 J
E1668C	PCB-56 (2,3,3',4'-TeCB)	ng/L	0.0926	0.0828 J+	0.0148 J	0.0442 J+
E1668C	PCB-57 (2,3,3',5'-TeCB)	ng/L	0.173	0.164	0.00426 J	0.0444
E1668C	PCB-58 (2,3,3',5'-TeCB)	ng/L	0.0216 J	0.0217 J	0.00280 J	0.00881 J
E1668C	PCB-59/62/75 (2,3,3',6'-TeCB and/or 2,3,3',4,5'-TeCB)	ng/L	0.163	0.142	0.0104 J	0.0489 J
E1668C	PCB-60 (2,3,4,4'-TeCB)	ng/L	0.0113 J	< 0.00909 UJ	< 0.00330	< 0.00689 UJ
E1668C	PCB-61/70/74/76 (2,3,4,5'-TeCB and/or 2,3,4,6'-TeCB)	ng/L	0.865	0.698	0.0969 J	0.290 J+
E1668C	PCB-63 (2,3,4',5'-TeCB)	ng/L	0.0958	0.0860	0.00879 J	0.0262 J
E1668C	PCB-64 (2,3,4',6'-TeCB)	ng/L	0.323	0.274	0.0249 J	0.113 J+

Table X. Surface Water Sampling Results
 Hayton Area Remediation Project – Long-Term Natural Recovery Monitoring
 BRRTS No. 02-08-587669

Sample ID Type Sample Date SYS_SAMPLE_CODE		NR-SW-OU3 N 05/16/2023 NR-SW-OU3-202305	NR-SW-OU3 N 07/19/2023 NR-SW-OU3-202307	NR-SW-OU4 N 05/16/2023 NR-SW-OU4-202305	NR-SW-OU4 N 07/19/2023 NR-SW-OU4-202307	
Method	Parameter	Units				
E1668C	PCB-66 (2,3',4,4'-TeCB)	ng/L	0.636	0.504	0.0827 J	0.256
E1668C	PCB-67 (2,3',4,5'-TeCB)	ng/L	0.0627	0.0657	0.00263 J	0.0284 J
E1668C	PCB-68 (2,3',4,5'-TeCB)	ng/L	0.128	0.113	0.00551 J	0.0414
E1668C	PCB-72 (2,3',5,5'-TeCB)	ng/L	0.178	0.173	0.00962 J	0.0518
E1668C	PCB-77 (3,3',4,4'-TeCB)	ng/L	0.0351 J	0.0397	0.00396 J	0.0170 J
E1668C	PCB-78 (3,3',4,5'-TeCB)	ng/L	< 0.00225	< 0.00229	< 0.00223	< 0.00231
E1668C	PCB-79 (3,3',4,5'-TeCB)	ng/L	0.0276 J	0.0188 J	< 0.00225	0.00969 J
E1668C	PCB-80 (3,3',5,5'-TeCB)	ng/L	< 0.00207	< 0.00212	< 0.00205	< 0.00213
E1668C	PCB-81 (3,4,4',5'-TeCB)	ng/L	0.00194 J	< 0.00177	< 0.00172	< 0.00178
E1668C	PCB-82 (2,2',3,3',4'-PeCB)	ng/L	0.126	0.115	0.0214 J	0.0489
E1668C	PCB-83 (2,2',3,3',5'-PeCB)	ng/L	0.345	0.277	0.0258 J	0.0995
E1668C	PCB-84 (2,2',3,3',6'-PeCB)	ng/L	0.864	0.563	0.0812	0.243
E1668C	PCB-85/116/117 (2,2',3,4,4'-PeCB and/or 2,2',3,4,4',5'-PeCB)	ng/L	0.446	0.349	0.0547 J	0.130
E1668C	PCB-86/87/97/108/119/125 (2,2',3,4,5'-PeCB and/or 2,2',3,4,5',6'-PeCB)	ng/L	1.57	1.16	0.192 J	0.490
E1668C	PCB-88/91 (2,2',3,4,6'-PeCB and/or 2,2',3,4,6',7'-PeCB)	ng/L	0.832	0.644	0.0677 J	0.264
E1668C	PCB-89 (2,2',3,4,6'-PeCB)	ng/L	0.0127 J	0.0100 J	< 0.00301	0.00854 J
E1668C	PCB-90/101/113 (2,2',3,4',5'-PeCB and/or 2,2',3,4',5',6'-PeCB)	ng/L	2.85	2.13	0.328	0.966
E1668C	PCB-92 (2,2',3,5,5'-PeCB)	ng/L	1.52	1.20	0.0989	0.430
E1668C	PCB-93/98/100/102 (2,2',3,5,6'-PeCB and/or 2,2',3,5,6',7'-PeCB)	ng/L	0.315	0.240	0.0213 J	0.112 J
E1668C	PCB-94 (2,2',3,5,6'-PeCB)	ng/L	0.158	0.115	0.00509 J	0.0299 J
E1668C	PCB-95 (2,2',3,5',6'-PeCB)	ng/L	2.86	1.96	0.255	0.809
E1668C	PCB-96 (2,2',3,6,6'-PeCB)	ng/L	0.0529	0.0384 J	0.00362 J	0.0121 J
E1668C	PCB-99 (2,2',4,4',5'-PeCB)	ng/L	1.31	0.900	0.164	0.508
E1668C	PCB-103 (2,2',4,5',6'-PeCB)	ng/L	0.122	0.0956	0.00837 J	0.0401
E1668C	PCB-104 (2,2',4,6,6'-PeCB)	ng/L	0.00532 J	0.00409 J	< 0.00147	< 0.00153
E1668C	PCB-105 (2,3,3',4,4'-PeCB)	ng/L	0.472	0.403	0.0623	0.141
E1668C	PCB-106 (2,3,3',4,5'-PeCB)	ng/L	< 0.00173	< 0.00177	< 0.00171	< 0.00178
E1668C	PCB-107/124 (2,3,3',4',5'-PeCB and/or 2,2',3,3',4',5'-PeCB)	ng/L	0.0611 J	0.0515 J	0.00770 J	0.0208 J
E1668C	PCB-109 (2,3,3',4,6'-PeCB)	ng/L	0.245	0.203	0.0250 J	0.0834
E1668C	PCB-110/115 (2,3,3',4',6'-PeCB and/or 2,2',3,3',4',6'-PeCB)	ng/L	4.27	3.17	0.422	1.38
E1668C	PCB-111 (2,3,3',5,5'-PeCB)	ng/L	0.0146 J	0.0130 J	< 0.00198	0.00476 J
E1668C	PCB-112 (2,3,3',5,6'-PeCB)	ng/L	< 0.00172	< 0.00176	< 0.00171	< 0.00177
E1668C	PCB-114 (2,3,4,4',5'-PeCB)	ng/L	0.0122 J	0.0156 J	< 0.00221	0.00694 J
E1668C	PCB-118 (2,3,4,4',5'-PeCB)	ng/L	1.58	1.49	0.203	0.635
E1668C	PCB-120 (2,3',4,5,5'-PeCB)	ng/L	0.0306 J	0.0261 J	0.00265 J	0.0125 J
E1668C	PCB-121 (2,3',4,5',6'-PeCB)	ng/L	0.00721 J	0.00644 J	< 0.00125	0.00294 J
E1668C	PCB-122 (2,3,3',4',5'-PeCB)	ng/L	0.0152 J	0.0151 J	< 0.00187	0.00591 J
E1668C	PCB-123 (2,3',4,4',5'-PeCB)	ng/L	0.0236 J	0.0174 J	0.00303 J	0.0110 J
E1668C	PCB-126 (3,3',4,4',5'-PeCB)	ng/L	0.00696 J	0.00967 J	< 0.00215	0.00531 J
E1668C	PCB-127 (3,3',4,5,5'-PeCB)	ng/L	< 0.00130	< 0.00133	< 0.00129	< 0.00134
E1668C	PCB-128/166 (2,2',3,3',4,4'-HxCB and/or 2,2',3,3',4,4',5'-HxCB)	ng/L	0.353	0.303	0.0482 J	0.127
E1668C	PCB-129/138/163 (2,2',3,3',4,5'-HxCB and/or 2,2',3,3',4,5',6'-HxCB)	ng/L	1.97	1.97	0.230	0.829
E1668C	PCB-130 (2,2',3,3',4,5'-HxCB)	ng/L	0.186	0.141	0.0190 J	0.0631
E1668C	PCB-131 (2,2',3,3',4,6'-HxCB)	ng/L	0.0240 J	0.0238 J	0.00415 J	0.0110 J
E1668C	PCB-132 (2,2',3,3',4,6'-HxCB)	ng/L	0.912	0.791	0.0851	0.315
E1668C	PCB-133 (2,2',3,3',5,5'-HxCB)	ng/L	0.0813	0.0778	0.00437 J	0.0287 J
E1668C	PCB-134/143 (2,2',3,3',5,6'-HxCB and/or 2,2',3,3',5,6',7'-HxCB)	ng/L	0.205	0.166	0.0197 J	0.0583 J
E1668C	PCB-135/151 (2,2',3,3',6'-PeCB and/or 2,2',3,3',6',7'-PeCB)	ng/L	1.02	0.781	0.0868	0.320
E1668C	PCB-136 (2,2',3,3',6,6'-HxCB)	ng/L	0.401	0.271	0.0356 J	0.109
E1668C	PCB-137 (2,2',3,4,4',5'-HxCB)	ng/L	0.0997	0.0634	0.0117 J	0.0342 J
E1668C	PCB-139/140 (2,2',3,4,4',6'-HxCB and/or 2,2',3,3',4,4',6'-HxCB)	ng/L	0.0578 J	0.0501 J	0.00563 J	0.0235 J
E1668C	PCB-141 (2,2',3,4,5,5'-HxCB)	ng/L	0.226	0.179	0.0319 J	0.0688
E1668C	PCB-142 (2,2',3,4,5,6'-HxCB)	ng/L	< 0.00188	< 0.00192	< 0.00186	< 0.00193
E1668C	PCB-144 (2,2',3,4,5',6'-HxCB)	ng/L	0.0565	0.0382 J	0.0103 J	0.0174 J
E1668C	PCB-145 (2,2',3,4,6,6'-HxCB)	ng/L	< 0.00196	< 0.00200	< 0.00194	< 0.00201
E1668C	PCB-146 (2,2',3,4',5,5'-HxCB)	ng/L	0.368	0.307	0.0331 J	0.135
E1668C	PCB-147/149 (2,2',3,4',5,6'-HxCB and/or 2,2',3,3',4',5,6'-HxCB)	ng/L	2.06	1.73	0.183	0.727

Table X. Surface Water Sampling Results
 Hayton Area Remediation Project – Long-Term Natural Recovery Monitoring
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		Sample ID Type Sample Date SYS_SAMPLE_CODE	NR-SW-OU3 N 05/16/2023 NR-SW-OU3-202305	NR-SW-OU3 N 07/19/2023 NR-SW-OU3-202307	NR-SW-OU4 N 05/16/2023 NR-SW-OU4-202305	NR-SW-OU4 N 07/19/2023 NR-SW-OU4-202307
Method	Parameter	Units				
E1668C	PCB-148 (2,2',3,4',5,6'-HxCB)	ng/L	0.0176 J	0.0159 J	< 0.00226	0.00389 J
E1668C	PCB-150 (2,2',3,4',6,6'-HxCB)	ng/L	0.0146 J	0.00926 J	< 0.00126	0.00317 J
E1668C	PCB-152 (2,2',3,5,6,6'-HxCB)	ng/L	0.00960 J	0.00588 J	< 0.00205	< 0.00213
E1668C	PCB-153/168 (2,2',4,4',5,5'-HxCB and/o	ng/L	1.35	1.11	0.175	0.538
E1668C	PCB-154 (2,2',4,4',5,6'-HxCB)	ng/L	0.0743	0.0525	0.00392 J	0.0256 J
E1668C	PCB-155 (2,2',4,4',6,6'-HxCB)	ng/L	< 0.00150	< 0.00153	< 0.00148	< 0.00154
E1668C	PCB-156/157 (2,3,3',4,4',5'-HxCB and/or	ng/L	0.263	0.231	0.0321 J	0.0826 J
E1668C	PCB-158 (2,3,3',4,4',6-HxCB)	ng/L	0.165	0.143	0.0223 J	0.0574
E1668C	PCB-159 (2,3,3',4,5,5'-HxCB)	ng/L	0.00890 J	< 0.00279	< 0.00271	< 0.00281
E1668C	PCB-160 (2,3,3',4,5,6-HxCB)	ng/L	< 0.00252	< 0.00257	< 0.00249	0.00411 J
E1668C	PCB-161 (2,3,3',4,5',6-HxCB)	ng/L	< 0.00182	< 0.00186	< 0.00180	< 0.00187
E1668C	PCB-162 (2,3,3',4',5,5'-HxCB)	ng/L	0.00766 J	0.00863 J	< 0.00225	0.00436 J
E1668C	PCB-164 (2,3,3',4',5',6-HxCB)	ng/L	0.136	0.127	0.0163 J	0.0507
E1668C	PCB-165 (2,3,3',5,5',6-HxCB)	ng/L	0.00686 J	0.00843 J	< 0.00200	< 0.00207
E1668C	PCB-167 (2,3',4,4',5,5'-HxCB)	ng/L	0.0842	0.0721	0.00862 J	0.0325 J
E1668C	PCB-169 (3,3',4,4',5,5'-HxCB)	ng/L	< 0.00156	< 0.00160	< 0.00155	< 0.00161
E1668C	PCB-170 (2,2',3,3',4,4',5-HpCB)	ng/L	0.249	0.201	0.0189 J	0.0917
E1668C	PCB-171/173 (2,2',3,3',4,4',6-HpCB and	ng/L	0.0829	0.0744 J	0.00609 J	0.0406 J
E1668C	PCB-172 (2,2',3,3',4,5,5'-HpCB)	ng/L	0.0473	0.0412	< 0.0136	0.0188 J
E1668C	PCB-174 (2,2',3,3',4,5,6'-HpCB)	ng/L	0.227	0.173	0.0197 J	0.0624 J
E1668C	PCB-175 (2,2',3,3',4,5',6-HpCB)	ng/L	0.0116 J	0.0114 J	< 0.00146	0.00715 J
E1668C	PCB-176 (2,2',3,3',4,6,6'-HpCB)	ng/L	0.0392	0.0289 J	< 0.00217	0.0175 J
E1668C	PCB-177 (2,2',3,3',4,5',6'-HpCB)	ng/L	0.194	0.168	0.00976 J	0.0698
E1668C	PCB-178 (2,2',3,3',5,5',6-HpCB)	ng/L	0.0913	0.0722	0.00474 J	0.0265 J
E1668C	PCB-179 (2,2',3,3',5,6,6'-HpCB)	ng/L	0.153	0.105	0.00902 J	0.0432
E1668C	PCB-180/193 (2,2',3,4,4',5,5'-HpCB and	ng/L	0.423	0.337	0.0344 J	0.148
E1668C	PCB-181 (2,2',3,4,4',5,6-HpCB)	ng/L	0.00509 J	0.00862 J	< 0.00265	0.00478 J
E1668C	PCB-182 (2,2',3,4,4',5,6'-HpCB)	ng/L	0.00306 J	0.00374 J	< 0.00249	0.00284 J
E1668C	PCB-183/185 (2,2',3,4,4',5,6-HpCB and	ng/L	0.144	0.113	0.0116 J	0.0557 J
E1668C	PCB-184 (2,2',3,4,4',6,6'-HpCB)	ng/L	< 0.00203	< 0.00208	< 0.00201	0.00235 J
E1668C	PCB-186 (2,2',3,4,5,6,6'-HpCB)	ng/L	< 0.00153	< 0.00156	< 0.00152	< 0.00158
E1668C	PCB-187 (2,2',3,4',5,5',6-HpCB)	ng/L	0.349	0.276	0.0205 J	0.115
E1668C	PCB-188 (2,2',3,4',5,6,6'-HpCB)	ng/L	< 0.00242	0.00280 J	< 0.00240	< 0.00249
E1668C	PCB-189 (2,3,3',4,4',5,5'-HpCB)	ng/L	0.0109 J	0.0154 J	< 0.00209	0.00805 J
E1668C	PCB-190 (2,3,3',4,4',5,6-HpCB)	ng/L	0.0539	0.0526	0.00356 J	0.0197 J
E1668C	PCB-191 (2,3,3',4,4',5',6-HpCB)	ng/L	0.00974 J	0.00900 J	< 0.00211	0.00484 J
E1668C	PCB-192 (2,3,3',4,5,5',6-HpCB)	ng/L	< 0.00242	< 0.00247	< 0.00240	< 0.00249
E1668C	PCB-194 (2,2',3,3',4,4',5,5'-OcCB)	ng/L	0.0966	0.0904	0.00359 J	0.0365 J
E1668C	PCB-195 (2,2',3,3',4,4',5,6-OcCB)	ng/L	0.0410	0.0446	0.00271 J	0.0187 J
E1668C	PCB-196 (2,2',3,3',4,4',5,6'-OcCB)	ng/L	0.0510	0.0495	0.00276 J	0.0273 J
E1668C	PCB-197/200 (2,2',3,3',4,4',6,6'-OcCB and	ng/L	0.0183 J	0.0296 J	< 0.00457	0.0184 J
E1668C	PCB-198/199 (2,2',3,3',4,5,5',6-OcCB and	ng/L	0.135	0.134	0.00638 J	0.0570 J
E1668C	PCB-201 (2,2',3,3',4,5',6,6'-OcCB)	ng/L	0.0113 J	0.0207 J	< 0.00140	0.0131 J
E1668C	PCB-202 (2,2',3,3',5,5',6,6'-OcCB)	ng/L	0.0260 J	0.0250 J	< 0.00225	0.00998 J
E1668C	PCB-203 (2,2',3,4,4',5,5',6-OcCB)	ng/L	0.0699	0.0612	0.00326 J	0.0279 J
E1668C	PCB-204 (2,2',3,4,4',5,6,6'-OcCB)	ng/L	< 0.00165	0.00496 J	< 0.00163	0.00317 J
E1668C	PCB-205 (2,3,3',4,4',5,5',6-OcCB)	ng/L	0.00525 J	0.0125 J	< 0.00192	0.00623 J
E1668C	PCB-206 (2,2',3,3',4,4',5,5',6-NoCB)	ng/L	0.0302 J	0.0870	< 0.00372	0.0603
E1668C	PCB-207 (2,2',3,3',4,4',5,6,6'-NoCB)	ng/L	0.00517 J	0.0619	< 0.00223	0.0533
E1668C	PCB-208 (2,2',3,3',4,5,5',6,6'-NoCB)	ng/L	0.00559 J	0.0409	< 0.00217	0.0352 J
E1668C	PCB-209 (DeCB) (Decachlorobiphenyl)	ng/L	< 0.0168	0.113	< 0.0167	0.102
E1668C	Total Monochloro Biphenyls	ng/L	0.225	0.389 J	< 0.00535	0.0871 J
E1668C	Total Dichloro Biphenyls	ng/L	1.74 J	2.50 J	< 0.139	0.554 J
E1668C	Total Trichloro Biphenyls	ng/L	5.57 J	5.87 J	0.202 J	1.53 J
E1668C	Total Tetrachloro Biphenyls	ng/L	18.1 J	15.7 J	1.33 J	6.04 J
E1668C	Total Pentachloro Biphenyls	ng/L	20.1 J	15.2 J	2.04 J	6.49 J
E1668C	Total Hexachloro Biphenyls	ng/L	10.1 J	8.68 J	1.04 J	3.56 J

Table X. Surface Water Sampling Results
 Hayton Area Remediation Project – Long-Term Natural Recovery Monitoring
 BRRTS No. 02-08-587669

		Sample ID Type Sample Date SYS_SAMPLE_CODE	NR-SW-OU3 N 05/16/2023 NR-SW-OU3-202305	NR-SW-OU3 N 07/19/2023 NR-SW-OU3-202307	NR-SW-OU4 N 05/16/2023 NR-SW-OU4-202305	NR-SW-OU4 N 07/19/2023 NR-SW-OU4-202307
Method	Parameter	Units				
E1668C	Total Heptachloro Biphenyls	ng/L	2.09 J	1.69 J	0.0999 J	0.641 J
E1668C	Total Octachloro Biphenyls	ng/L	0.425 J	0.443 J	0.0118 J	0.167 J
E1668C	Total Nonachloro Biphenyls	ng/L	0.00517 J	0.190	< 0.00372	0.149 J
E1668C	Polychlorinated biphenyls (Total PCBs)	ng/L	58.4 J	50.8 J	4.72 J	19.3 J

Footnotes:

1. -- = Not analyzed
2. J = Estimated value
3. J+ = Estimated value, potential high bias
4. UJ = Estimated non-detect
5. ** = Potential sample labeling/switching issue