From: George Berken <George.Berken@boldt.com>
Sent: Thursday, October 26, 2023 8:24 AM
To: Kozicki, Sharon V; william.hartman@glatfelter.com; bryan.heath@ncr.com; dbinkney@anchorqea.com; Gawronski, Troy A; Glander, Nick; John Wolfe ; Laszewski, Steve; Lehrke, Stephen G; Maserejian, Jack; plarosa@anchorqea.com; pamontne@gapac.com; denis.roznowski@Foth.com; Schuh, Beth M; tom.safley@kochps.com; tara.vanhoof@foth.com; Mike Hassett
Cc: Ava Grosskopf; Olson, Beth J - DNR; Gary Kincaid; Killian, James - DNR; Jay Grosskopf; Jennifer.Hagen@ramboll.com; Jim Saric; kernstat; Rick.Fox@ramboll.com; Eifert, Rae-Ann E - DNR; Beggs, Tauren R - DNR; Webb, Carrie A - DNR
Subject: 1239. 87500 OU1-5 - RE: 23G007/22G036 - LFRM LTM - M-WDNR_USEPA, Surface Water Sample Rejection for review

Sharon, on behalf of the Agencies, the Surface Water Sample Rejection Memorandum submitted in your email below, is acceptable.

Thanks,
George…

BOLDT

George A. Berken | Engineering Project Manager
P: C: 920-858-5449 // **F:** 920-225-6307
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Boldt.Com BLOG

SafeThinking: Our Crusade to Eliminate Accidents

From: Kozicki, Sharon V <Sharon.Kozicki@Foth.com>
Sent: Friday, September 29, 2023 2:05 PM
To: Ava Grosskopf <Ava.Grosskopf@boldt.com>; beth.olson@wisconsin.gov; william.hartman@glatfelter.com; bryan.heath@ncr.com; dbinkney@anchorqea.com; Gary Kincaid <Gary.Kincaid@boldt.com>; Gawronski, Troy A <Troy.Gawronski@Foth.com>; George Berken <George.Berken@boldt.com>; Glander, Nick <Nick.Glander@foth.com>; Killian, James - DNR <James.Killian@wisconsin.gov>; Jay Grosskopf <Jay.Grosskopf@Boldt.com>; Jennifer.Hagen@ramboll.com; Jim Saric <saric.james@epa.gov>; kernstat <kernstat@gmail.com>; John Wolfe <jwolfe@limno.com>; Laszewski, Steve <Steve.Laszewski@Foth.com>; Lehrke, Stephen G <Stephen.Lehrke@foth.com>; Maserejian, Jack <Jack.Maserejian@foth.com>; plarosa@anchorqea.com; pamontne@gapac.com; Rick.Fox@ramboll.com; denis.roznowski@Foth.com; Schuh, Beth M <Beth.Schuh@Foth.com>; tom.safley@kochps.com; tara.vanhoof@foth.com; Mike Hassett <mike.hassett@gapac.com>; Eifert, Rae-Ann E - DNR <raeann.eifert@wisconsin.gov>; Beggs, Tauren R -

DNR <Tauren.Beggs@wisconsin.gov>
Subject: 23G007/22G036 - LFRM LTM - M-WDNR_USEPA, Surface Water Sample Rejection for review

Hello,

Attached for review is a memorandum package rejecting the initial November 2022 SW results due to method blank contamination and presenting the reanalysis data validation and acceptance.

Please let me know if you have any questions.

Regards,

Sharon

Sharon Kozicki, PG, MBA, PMP®
Sr. Project Manager
Licensed PG in WI

Cell: (920) 819-8012

Memorandum

2121 Innovation Court, Suite 100
P.O. Box 5095
De Pere, WI 54115-5095
(920) 497-2500
foth.com

September 27, 2023

TO: Rae-Ann Eifert and Tauren Beggs – Wisconsin Department of Natural Resources
Jim Saric – USEPA

CC: Ava Grosskopf, George Berken, Gary Kincaid, Jim Killian,
Paul Montney, Mike Hassett, Tom Safley, Bill Hartman, Pat Zaepfel

FR: Sharon Kozicki, Foth Infrastructure & Environment, LLC
Tara Van Hoof, Foth Infrastructure & Environment, LLC

RE: Rejection of the Original November 2022 Surface Water Data Set

Attached please find a memorandum prepared by Lori Hendel from Applied Testing & Geosciences, LLC, our third-party data validator (Attachment 1). The memorandum rejects the original sample results from the November 2022 surface water sampling event due to suspected blank contamination.

The method blank from January 2023 had a greater number of congeners reported at low level concentrations and the total polychlorinated biphenyls (PCB) concentration was 15 times higher than the total PCB concentration for the June 2023 method blank. A review of the sample results for OU4 and OU5A (from the June 2023 extraction and January 2023 extraction) indicated that the samples from the January 2023 preparation batch were most likely adversely affected by that method blank. Based on concerns that the data were not accurate, Foth Infrastructure & Environment, LLC submitted the back-up surface water samples to Eurofins for OU4 and OU5A as blind samples to confirm the results.

The reanalysis results were received in July 2023 and met the Quality Assurance Project Plan requirements. Lori recommended that we submit the remaining back-up samples from Lake Winnebago, OU1, OU2, OU3, OU5B, and OU5C for reanalysis and reject the original data set as unusable. The remaining back-up samples were submitted in August 2023 and results were received at the end of August. The new data was validated as usable without any validator qualifiers. The updated data validation report is provided in Attachment 2.

Based on the rejection by the data validator, the original data set will be thrown out and replaced with the August 2023 reanalysis results.

A comparison of the November 2022 original results and reanalysis results is included in the attached Table 1.

Attachments

Table 1	Summary of November 2022 Surface Water Original Analysis and Reanalysis
Attachment 1	Data Rejection Memorandum
Attachment 2	Reanalysis Data Validation Report

Table

Table 1
Original Analysis and Reanalysis

Operable Unit	Total PCBs ng/L Original Analysis	Total PCBs ng/L Reanalysis
LW	0.198	0.083
OU1	0.598	0.221
OU2A	0.449	0.205
OU2B	0.820	0.311
OU2C	0.927	0.283
OU3	1.137	0.297
OU3-DUP	1.072	0.326
OU4	2.664	0.506
OU5A	2.990	0.814
OU5B	0.674	0.371
OU5C	0.250	0.107

Prepared by: SVF
Checked by: TMK1

Notes:
ng/L = nanograms/liter

Attachment 1

Data Rejection Memorandum

Applied Testing & Geosciences, LLC
When Quality Counts

September 27, 2023

Foth Infrastructure & Environment, LLC
2121 Innovation Court, Suite 300
P.O. Box 5126
De Pere, WI 54115-5126

Attention: Sharon Kozicki, Tara Van Hoof

From: Lori Anne Hendel

RE: Glatfelter Corporation (22G036) and Georgia-Pacific Corporation (23G007)
November 2022 Surface Water Data Qualification

The data validation process used to review field and laboratory data is designed to verify that data are correctly reported and to identify issues for the end user to consider before using the data that are generated from a monitoring program. Data validation is not a process to correct analytical data. Blank results are evaluated to determine the existence and magnitude of potential contamination resulting from field and laboratory activities. The end user determines if the results of the data validation affects the suitability of the analytical data for meeting the project Data Quality Objectives (DQOs).

The 2022 Lower Fox River Long Term Monitoring Program for Surface Water was initiated on April 11, 2022. The rinsate blank from this sampling event contained PCB congeners at concentrations greater than reporting limits. Specifically, PCB Congeners PCB-44/47/65 and PCB-45/51 were present in the rinsate blank at elevated concentrations. While these congeners have been present in rinsate blanks and method blanks during prior events, the concentrations detected during this sampling event were significant enough to warrant further investigation. The data validator discussed the water sources used for method and rinsate blanks with Eurofins laboratory personnel to determine if anything had changed in the preparation and analytical processes. Discussions were also held with the sampling team, and they were asked to review decontamination procedures used during sampling events. As per the technical director from Eurofins, the laboratory was not the source of these issues. Throughout the 2022 sampling events, either method blanks or rinsate blanks consistently exhibited congeners greater than reporting limits and blanks had an increased number of congeners in the blanks. With each

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sampling event, the blank data were critically reviewed and evaluated to determine if the reported concentrations achieved the criteria specified in the Project Quality Assurance Project Plan (QAPP). Following these critical reviews, qualification of data was performed to indicate where method and field rinsate blank results may have adversely affected field sample results.

The November 2022 surface water samples were prepared and analyzed three times because of failed quality control. The first preparation batch (November 2022) had a failed method blank because congeners, specifically PCB-44/47/65, were detected at concentrations greater than the reporting level. The second extraction of this set of samples was performed in December 2022 but failed because it appeared that the method blank, and possibly some of the samples, had been contaminated with target compounds from the spiking solution. While the third preparation batch extraction in January 2023 technically met the QC Criteria set forth in the QAPP, the presence of so many congeners in the method blank created concern regarding the validity of the sample data. Upon discussion with the laboratory, there was some disagreement as to whether the method blank results were satisfactory. However, as they technically met QAPP criteria, the laboratory reported the data for the samples prepared and analyzed in January 2023.

Based upon review of the November 2022 analytical data for OU4 and OU5A compared to the historical data for these sample locations, the Foth project team and their clients, decided that the backup samples for OU4 and OU5A , which typically have few congeners, should submitted to the laboratory as blind samples for analysis. The data that had been reported for OU4 and OU5A had been reported with concentrations of a number of congeners that had not been previously detected at these locations.

Upon receipt of the sample data prepared and analyzed in June 2023, the analytical results were tabulated and compared to the data reported from the January 2023 extraction, as well as the historical data. The method blank results for the June 30, 2023 analysis were comparable to the method blank results reported for the 2018 and 2021 sampling events. By comparison, the method blank from January 2023 had a greater number of congeners reported at low level concentrations and the total PCB concentration was 15 times higher than the total PCB concentration for the June 2023 method blank.

Review of the sample results for OU4 and OU5A from the June 2023 extraction and January 2023 extraction indicates that the samples from the January 2023 preparation batch were most likely adversely affected by the preparation and/or analytical process as indicated by the method

blank results. The concentrations reported for OU4 and OU5A from the June 2023 preparation and analysis are consistent with concentrations historically observed in samples from these locations. Consequently, the analytical results provided in report 140-29153 were rejected because the blank concentrations indicate that the surface water sample results may have been adversely affected by the analytical process (see attached tables).

Consequently, the reserved sample volume of the remaining November 2022 samples from Lake Winnebago and Operable Units 1 through 3, 5B and 5C were submitted to Eurofins for congener analysis. These results were extracted and analyzed in report 140-32981.

TABLE A-1
ANALYTICAL RESULTS
SDG: 140-29568
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID			**RBP-22-1102**	**MB 140-67536/14-A**			
Lab Sample ID			140-29568-1	Result	Qualifier	Quantitation	Action
Sampling Date			11/02/2022 06:35:00	[ng/L]		Limit [ng/L]	Level [ng/L]
Matrix			Water				
Dilution Factor			1				
Unit			ng/l				
PCB Congener-1668A	Result	Q	RL				
PCB-1	ND	R	0.039		U	0.02	0
PCB-10	ND	R	0.039		U	0.02	0
PCB-100	ND	R	0.077		UC93	0.04	0
PCB-101	0.0043	R	0.12	0.00196	JqC90	0.06	0.0098
PCB-102	ND	R	0.077		UC98	0.04	0
PCB-103	ND	R	0.039		U	0.02	0
PCB-104	ND	R	0.039		U	0.02	0
PCB-105	0.0015	R	0.039	0.000741	Jq	0.02	0.003705
PCB-106	ND	R	0.039		U	0.02	0
PCB-107	ND	R	0.039	0.000348	Jq	0.02	0.00174
PCB-108	ND	R	0.077		UC	0.04	0
PCB-109	0.0051	R	0.23	0.00365	JqC86	0.12	0.01825
PCB-11	0.035	R	0.058	0.0127	Jq	0.03	0.0635
PCB-110	0.0036	R	0.077	0.00126	JqC	0.04	0.0063
PCB-111	ND	R	0.039		U	0.02	0
PCB-112	ND	R	0.039		U	0.02	0
PCB-113	0.0043	R	0.12	0.00196	JqC90	0.06	0.0098
PCB-114	ND	R	0.039		U	0.02	0
PCB-115	0.0036	R	0.077	0.00126	JqC110	0.04	0.0063
PCB-116	0.0019	R	0.12		UC85	0.06	0
PCB-117	0.0019	R	0.12		UC85	0.06	0
PCB-118	0.0053	R	0.039	0.00206	J	0.02	0.0103
PCB-119	0.0051	R	0.23	0.00365	JqC86	0.12	0.01825
PCB-12	ND	R	0.077		UC	0.04	0
PCB-120	ND	R	0.039		U	0.02	0
PCB-121	ND	R	0.039		U	0.02	0
PCB-122	ND	R	0.039		U	0.02	0
PCB-123	ND	R	0.039		U	0.02	0
PCB-124	ND	R	0.077		UC108	0.04	0
PCB-125	0.0051	R	0.23	0.00365	JqC86	0.12	0.01825
PCB-126	ND	R	0.039		U	0.02	0
PCB-127	ND	R	0.039		U	0.02	0
PCB-128	ND	R	0.077		UC	0.04	0
PCB-129	0.0037	R	0.15	0.00224	JC	0.08	0.0112
PCB-13	ND	R	0.077		UC12	0.04	0
PCB-130	ND	R	0.039		U	0.02	0
PCB-131	ND	R	0.039		U	0.02	0
PCB-132	0.0018	R	0.039		U	0.02	0
PCB-133	ND	R	0.039		U	0.02	0
PCB-134	ND	R	0.077		UC	0.04	0
PCB-135	0.0021	R	0.077	0.000723	JC	0.04	0.003615
PCB-136	0.0004	R	0.039	0.000242	Jq	0.02	0.00121
PCB-137	ND	R	0.039		U	0.02	0
PCB-138	0.0037	R	0.15	0.00224	JC129	0.08	0.0112
PCB-139	0.00041	R	0.077		UC	0.04	0
PCB-14	ND	R	0.039		U	0.02	0
PCB-140	0.00041	R	0.077		UC139	0.04	0
PCB-141	0.0014	R	0.039		U	0.02	0
PCB-142	ND	R	0.039		U	0.02	0
PCB-143	ND	R	0.077		UC134	0.04	0
PCB-144	ND	R	0.039		U	0.02	0
PCB-145	ND	R	0.039		U	0.02	0
PCB-146	0.00044	R	0.039		U	0.02	0
PCB-147	0.0024	R	0.077	0.00122	JqC	0.04	0.0061
PCB-148	ND	R	0.039		U	0.02	0
PCB-149	0.0024	R	0.077	0.00122	JqC147	0.04	0.0061
PCB-15	0.0022	R	0.039	0.0012	Jq	0.02	0.006
PCB-150	ND	R	0.039		U	0.02	0
PCB-151	0.0021	R	0.077	0.000723	JC135	0.04	0.003615
PCB-152	ND	R	0.039		U	0.02	0
PCB-153	0.0033	R	0.077	0.00107	JqC	0.04	0.00535
PCB-154	ND	R	0.039	0.000532	Jq	0.02	0.00266
PCB-155	ND	R	0.039		U	0.02	0
PCB-156	ND	R	0.077		UC	0.04	0
PCB-157	ND	R	0.077		UC156	0.04	0
PCB-158	0.0003	R	0.039		U	0.02	0
PCB-159	ND	R	0.039		U	0.02	0
PCB-16	0.0022	R	0.039	0.00122	J	0.02	0.0061
PCB-160	0.0037	R	0.15	0.00224	JC129	0.08	0.0112
PCB-161	ND	R	0.039		U	0.02	0
PCB-162	ND	R	0.039		U	0.02	0
PCB-163	0.0037	R	0.15	0.00224	JC129	0.08	0.0112
PCB-164	0.00054	R	0.039		U	0.02	0
PCB-165	ND	R	0.039		U	0.02	0
PCB-166	ND	R	0.077		UC128	0.04	0
PCB-167	ND	R	0.039		U	0.02	0
PCB-168	0.0033	R	0.077	0.00107	JqC153	0.04	0.00535
PCB-169	ND	R	0.039		U	0.02	0
PCB-17	0.0025	R	0.039	0.00113	Jq	0.02	0.00565
PCB-170	0.0013	R	0.039	0.000367	Jq	0.02	0.001835
PCB-171	0.0006	R	0.077		UC	0.04	0
PCB-172	ND	R	0.039		U	0.02	0
PCB-173	0.0006	R	0.077		UC171	0.04	0
PCB-174	0.00093	R	0.039	0.000337	Jq	0.02	0.001685
PCB-175	ND	R	0.039		U	0.02	0
PCB-176	ND	R	0.039		U	0.02	0
PCB-177	0.00069	R	0.039		U	0.02	0
PCB-178	ND	R	0.039		U	0.02	0
PCB-179	0.00037	R	0.039		U	0.02	0
PCB-18	0.0032	R	0.077	0.00126	JqC	0.04	0.0063
PCB-180	0.0029	R	0.077	0.000912	JqC	0.04	0.00456
PCB-181	0.00072	R	0.039		U	0.02	0
PCB-182	ND	R	0.039		U	0.02	0
PCB-183	0.0021	R	0.077	0.0014	JqC	0.04	0.007
PCB-184	ND	R	0.039		U	0.02	0
PCB-185	0.0021	R	0.077	0.0014	JqC183	0.04	0.007
PCB-186	ND	R	0.039		U	0.02	0
PCB-187	0.0012	R	0.039	0.000643	Jq	0.02	0.003215
PCB-188	ND	R	0.039	0.000119	Jq	0.02	0.000595
PCB-189	ND	R	0.039		U	0.02	0
PCB-19	0.0007	R	0.039	0.000234	Jq	0.02	0.00117
PCB-190	ND	R	0.039	0.000269	J	0.02	0.001345
PCB-191	ND	R	0.039		U	0.02	0
PCB-192	ND	R	0.039		U	0.02	0
PCB-193	0.0029	R	0.077	0.000912	JqC180	0.04	0.00456
PCB-194	ND	R	0.039		U	0.02	0
PCB-195	ND	R	0.039	0.000201	Jq	0.02	0.001005
PCB-196	ND	R	0.039	0.000221	Jq	0.02	0.001105
PCB-197	ND	R	0.039	0.000107	Jq	0.02	0.000535
PCB-198	0.00069	R	0.077		UC	0.04	0
PCB-199	0.00069	R	0.077		UC198	0.04	0
PCB-2	ND	R	0.039		U	0.02	0
PCB-20	0.0058	R	0.077	0.00336	JC	0.04	0.0168
PCB-200	ND	R	0.039	0.000118	Jq	0.02	0.00059
PCB-201	ND	R	0.039		U	0.02	0
PCB-202	ND	R	0.039		U	0.02	0
PCB-203	ND	R	0.039		U	0.02	0
PCB-204	ND	R	0.039		U	0.02	0
PCB-205	ND	R	0.039		U	0.02	0

TABLE A-1
ANALYTICAL RESULTS
SDG: 140-29568
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID			**RBP-22-1102**	**MB 140-67536/14-A**			
Lab Sample ID			140-29568-1	Result	Qualifier	Quantitation	Action
Sampling Date			11/02/2022 06:35:00	[ng/L]		Limit [ng/L]	Level [ng/L]
Matrix			Water				
Dilution Factor			1				
Unit			ng/l				
PCB Congener-1668A	Result	Q	RL				
PCB-206	ND	R	0.039		U	0.02	0
PCB-207	ND	R	0.039		U	0.02	0
PCB-208	ND	R	0.039		U	0.02	0
PCB-209	ND	R	0.039		U	0.02	0
PCB-21	0.0064	R	0.077	0.00207	JC	0.04	0.01035
PCB-22	0.002	R	0.039	0.00107	J	0.02	0.00535
PCB-23	ND	R	0.039		U	0.02	0
PCB-24	0.0003	R	0.039		U	0.02	0
PCB-25	0.0014	R	0.039	0.000575	J	0.02	0.002875
PCB-26	0.001	R	0.077	0.000792	JqC	0.04	0.00396
PCB-27	ND	R	0.039		U	0.02	0
PCB-28	0.0058	R	0.077	0.00336	JC20	0.04	0.0168
PCB-29	0.001	R	0.077	0.000792	JqC26	0.04	0.00396
PCB-3	ND	R	0.039		U	0.02	0
PCB-30	0.0032	R	0.077	0.00126	JqC18	0.04	0.0063
PCB-31	0.0033	R	0.039	0.00181	J	0.02	0.00905
PCB-32	0.00097	R	0.039	0.00101	Jq	0.02	0.00505
PCB-33	0.0064	R	0.077	0.00207	JC21	0.04	0.01035
PCB-34	ND	R	0.039		U	0.02	0
PCB-35	0.00095	R	0.039	0.000514	J	0.02	0.00257
PCB-36	ND	R	0.039		U	0.02	0
PCB-37	0.0019	R	0.039	0.00114	J	0.02	0.0057
PCB-38	ND	R	0.039		U	0.02	0
PCB-39	ND	R	0.039		U	0.02	0
PCB-4	ND	R	0.058		U	0.03	0
PCB-40	0.0041	R	0.12	0.00183	JC	0.06	0.00915
PCB-41	0.0041	R	0.12	0.00183	JC40	0.06	0.00915
PCB-42	ND	R	0.039	0.00111	Jq	0.02	0.00555
PCB-43	ND	R	0.077		UC	0.04	0
PCB-44	0.17	R	0.12	0.116	C	0.06	0.58
PCB-45	0.11	R	0.077	0.0197	JC	0.04	0.0985
PCB-46	ND	R	0.039		U	0.02	0
PCB-47	0.17	R	0.12	0.116	C44	0.06	0.58
PCB-48	ND	R	0.039		U	0.02	0
PCB-49	0.0055	R	0.077	0.00279	JqC	0.04	0.01395
PCB-5	ND	R	0.039		U	0.02	0
PCB-50	ND	R	0.077		UC	0.04	0
PCB-51	0.11	R	0.077	0.0197	JC45	0.04	0.0985
PCB-52	0.0038	R	0.039	0.00177	J	0.02	0.00885
PCB-53	ND	R	0.077		UC50	0.04	0
PCB-54	ND	R	0.039		U	0.02	0
PCB-55	ND	R	0.039		U	0.02	0
PCB-56	ND	R	0.039	0.00118	J	0.02	0.0059
PCB-57	ND	R	0.039		U	0.02	0
PCB-58	ND	R	0.039		U	0.02	0
PCB-59	ND	R	0.12		UC	0.06	0
PCB-6	0.002	R	0.039		U	0.02	0
PCB-60	ND	R	0.039		U	0.02	0
PCB-61	0.0068	R	0.15	0.00298	JC	0.08	0.0149
PCB-62	ND	R	0.12		UC59	0.06	0
PCB-63	0.001	R	0.039		U	0.02	0
PCB-64	0.0048	R	0.039	0.00188	Jq	0.02	0.0094
PCB-65	0.17	R	0.12	0.116	C44	0.06	0.58
PCB-66	0.003	R	0.039	0.00112	Jq	0.02	0.0056
PCB-67	ND	R	0.039		U	0.02	0
PCB-68	0.054	R	0.039	0.0132	J	0.02	0.066
PCB-69	0.0055	R	0.077	0.00279	JqC49	0.04	0.01395
PCB-7	0.0048	R	0.039		U	0.02	0
PCB-70	0.0068	R	0.15	0.00298	JC61	0.08	0.0149
PCB-71	0.0041	R	0.12	0.00183	JC40	0.06	0.00915
PCB-72	ND	R	0.039		U	0.02	0
PCB-73	ND	R	0.077		UC43	0.04	0
PCB-74	0.0068	R	0.15	0.00298	JC61	0.08	0.0149
PCB-75	ND	R	0.12		UC59	0.06	0
PCB-76	0.0068	R	0.15	0.00298	JC61	0.08	0.0149
PCB-77	0.0022	R	0.039		U	0.02	0
PCB-78	ND	R	0.039		U	0.02	0
PCB-79	ND	R	0.039		U	0.02	0
PCB-8	0.0031	R	0.058	0.00139	Jq	0.03	0.00695
PCB-80	ND	R	0.039		U	0.02	0
PCB-81	ND	R	0.039		U	0.02	0
PCB-82	ND	R	0.039		U	0.02	0
PCB-83	0.0015	R	0.077	0.00208	JC	0.04	0.0104
PCB-84	0.0025	R	0.039		U	0.02	0
PCB-85	0.0019	R	0.12		UC	0.06	0
PCB-86	0.0051	R	0.23	0.00365	JqC	0.12	0.01825
PCB-87	0.0051	R	0.23	0.00365	JqC86	0.12	0.01825
PCB-88	0.0012	R	0.077		UC	0.04	0
PCB-89	ND	R	0.039		U	0.02	0
PCB-9	ND	R	0.039		U	0.02	0
PCB-90	0.0043	R	0.12	0.00196	JqC	0.06	0.0098
PCB-91	0.0012	R	0.077		UC88	0.04	0
PCB-92	ND	R	0.039		U	0.02	0
PCB-93	ND	R	0.077		UC	0.04	0
PCB-94	ND	R	0.039		U	0.02	0
PCB-95	0.0042	R	0.039	0.00215	J	0.02	0.01075
PCB-96	ND	R	0.039		U	0.02	0
PCB-97	0.0051	R	0.23	0.00365	JqC86	0.12	0.01825
PCB-98	ND	R	0.077		UC	0.04	0
PCB-99	0.0015	R	0.077	0.00208	JC83	0.04	0.0104

NOTES:

B : Compound was found in the blank and sample.
C : The compound co-eluted with other compounds
C108 : The compound co-eluted with PCB-108
C110 : The compound co-eluted with PCB-110
C12 : The compound co-eluted with PCB-12
C128 : The compound co-eluted with PCB-128
C129 : The compound co-eluted with PCB-129
C134 : The compound co-eluted with PCB-134
C135 : The compound co-eluted with PCB-135
C139 : The compound co-eluted with PCB-139
C147 : The compound co-eluted with PCB-147
C153 : The compound co-eluted with PCB-153
C156 : The compound co-eluted with PCB-156
C171 : The compound co-eluted with PCB-171
C18 : The compound co-eluted with PCB-18
C180 : The compound co-eluted with PCB-180
C183 : The compound co-eluted with PCB-183
C198 : The compound co-eluted with PCB-198
C20 : The compound co-eluted with PCB-20
C21 : The compound co-eluted with PCB-21
C26 : The compound co-eluted with PCB-26
C40 : The compound co-eluted with PCB-40
C43 : The compound co-eluted with PCB-43
C44 : The compound co-eluted with PCB-44
C45 : The compound co-eluted with PCB-45
C49 : The compound co-eluted with PCB-49
C50 : The compound co-eluted with PCB-50
C59 : The compound co-eluted with PCB-59
C61 : The compound co-eluted with PCB-61
C83 : The compound co-eluted with PCB-83
C85 : The compound co-eluted with PCB-85
C86 : The compound co-eluted with PCB-86
C88 : The compound co-eluted with PCB-88
C90 : The compound co-eluted with PCB-90
C93 : The compound co-eluted with PCB-93
C98 : The compound co-eluted with PCB-98

RBP-22-1102 concentration is less than 5 times the blank Action Level.

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

q : The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

U : Indicates the analyte was analyzed for but not detected.

TABLE A-2
ANALYTICAL RESULTS
SDG: 140-29568
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID				**LW-22-1102**			**OU1-22-1102**			**MB 140-69463/13-A**			
Lab Sample ID				140-29568-2			140-29568-6			Result	Qualifier	Quantitation	Action
Sampling Date				11/02/2022 10:37:00			11/02/2022 12:29:00			[ng/L]		Limit [ng/L]	Level [ng/L]
Matrix				Water			Water						
Dilution Factor				1			1						
Unit				ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL							
PCB-1	0.0027	R	0.02	0.0035	R	0.02	0.00203	J	0.02	0.01015			
PCB-10	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-100	ND	R	0.039	ND	R	0.039	0.000471	JC93q	0.04	0.002355			
PCB-101	0.0033	R	0.059	0.021	R	0.059	0.0043	J C90 B	0.06	0.0215			
PCB-102	ND	R	0.039	ND	R	0.039		UC98	0.04				
PCB-103	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-104	ND	R	0.02	ND	R	0.02	0.000233	Jq	0.02	0.001165			
PCB-105	0.0025	R	0.02	0.0039	R	0.02	0.0015	J q B	0.02	0.0075			
PCB-106	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-107	ND	R	0.02	0.0016	R	0.02	0.000247	Jq	0.02	0.001235			
PCB-108	ND	R	0.039	ND	R	0.039	0.000323	JC	0.04	0.001615			
PCB-109	0.0027	R	0.12	0.014	R	0.12	0.0051	J q C86 B	0.12	0.0255			
PCB-11	0.028	R	0.029	0.019	R	0.029	0.035	J B	0.03	0.175			
PCB-110	0.008	R	0.039	0.025	R	0.039	0.0036	J C B	0.04	0.018			
PCB-111	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-112	ND	R	0.02	ND	R	0.02	0.000292	J	0.02	0.00146			
PCB-113	0.0033	R	0.059	0.021	R	0.059	0.0043	J C90 B	0.06	0.0215			
PCB-114	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-115	0.008	R	0.039	0.025	R	0.039	0.0036	J C110 B	0.04	0.018			
PCB-116	ND	R	0.059	0.0026	R	0.059	0.0019	J C85	0.06	0.0095			
PCB-117	ND	R	0.059	0.0026	R	0.059	0.0019	J C85	0.06	0.0095			
PCB-118	0.0036	R	0.02	0.016	R	0.02	0.0053	J B	0.02	0.0265			
PCB-119	0.0027	R	0.12	0.014	R	0.12	0.0051	J q C86 B	0.12	0.0255			
PCB-12	0.0022	R	0.039	0.0022	R	0.039	0.00155	JC	0.04	0.00775			
PCB-120	ND	R	0.02	ND	R	0.02	0.000149	J	0.02	0.000745			
PCB-121	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-122	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-123	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-124	ND	R	0.039	ND	R	0.039	0.000323	JC108	0.04	0.001615			
PCB-125	0.0027	R	0.12	0.014	R	0.12	0.0051	J q C86 B	0.12	0.0255			
PCB-126	ND	R	0.02	ND	R	0.02	0.000202	Jq	0.02	0.00101			
PCB-127	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-128	0.001	R	0.039	0.0023	R	0.039	0.000444	JCq	0.04	0.00222			
PCB-129	0.0054	R	0.078	0.017	R	0.078	0.0037	J C B	0.08	0.0185			
PCB-13	0.0022	R	0.039	0.0022	R	0.039	0.00155	JC12	0.04	0.00775			
PCB-130	ND	R	0.02	0.0004	R	0.02	0.00021	Jq	0.02	0.00105			
PCB-131	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-132	0.0028	R	0.02	0.0056	R	0.02	0.0018	J q	0.02	0.009			
PCB-133	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-134	ND	R	0.039	0.0013	R	0.039	0.00031	JCq	0.04	0.00155			
PCB-135	0.00029	R	0.039	0.0042	R	0.039	0.0021	J C B	0.04	0.0105			
PCB-136	ND	R	0.02	0.0002	R	0.02	0.0004	J q B	0.02	0.002			
PCB-137	ND	R	0.02	0.0022	R	0.02	0.000363	Jq	0.02	0.001815			
PCB-138	0.0054	R	0.078	0.017	R	0.078	0.0037	J C129 B	0.08	0.0185			
PCB-139	ND	R	0.039	ND	R	0.039	0.00041	J q C	0.04	0.00205			
PCB-14	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-140	ND	R	0.039	ND	R	0.039	0.00041	J q C139	0.04	0.00205			
PCB-141	0.00073	R	0.02	0.0017	R	0.02	0.0014	J	0.02	0.007			
PCB-142	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-143	ND	R	0.039	0.0013	R	0.039	0.00031	JC134q	0.04	0.00155			
PCB-144	ND	R	0.02	ND	R	0.02	0.000121	Jq	0.02	0.000605			
PCB-145	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-146	0.00034	R	0.02	0.0029	R	0.02	0.00044	J q	0.02	0.0022			
PCB-147	0.0045	R	0.039	0.014	R	0.039	0.0024	J C B	0.04	0.012			
PCB-148	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-149	0.0045	R	0.039	0.014	R	0.039	0.0024	J C147 B	0.04	0.012			
PCB-15	0.0023	R	0.02	0.0088	R	0.02	0.0022	J q B	0.02	0.011			
PCB-150	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-151	0.00029	R	0.039	0.0042	R	0.039	0.0021	J C135 B	0.04	0.0105			
PCB-152	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-153	0.0052	R	0.039	0.016	R	0.039	0.0033	J C B	0.04	0.0165			
PCB-154	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-155	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-156	0.0004	R	0.039	0.0023	R	0.039	0.000385	JCq	0.04	0.001925			
PCB-157	0.0004	R	0.039	0.0023	R	0.039	0.000385	JC156q	0.04	0.001925			
PCB-158	0.00069	R	0.02	0.0023	R	0.02	0.0003	J q	0.02	0.0015			
PCB-159	ND	R	0.02	ND	R	0.02	0.000152	Jq	0.02	0.00076			
PCB-16	ND	R	0.02	0.0037	R	0.02	0.0022	J B	0.02	0.011			
PCB-160	0.0054	R	0.078	0.017	R	0.078	0.0037	J C129 B	0.08	0.0185			
PCB-161	ND	R	0.02	ND	R	0.02	0.000254	Jq	0.02	0.00127			
PCB-162	ND	R	0.02	ND	R	0.02	0.0000768	Jq	0.02	0.000384			
PCB-163	0.0054	R	0.078	0.017	R	0.078	0.0037	J C129 B	0.08	0.0185			
PCB-164	ND	R	0.02	0.0005	R	0.02	0.00054	J	0.02	0.0027			
PCB-165	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-166	0.001	R	0.039	0.0023	R	0.039	0.000444	JC128q	0.04	0.00222			
PCB-167	0.000047	R	0.02	0.0006	R	0.02	0.000305	Jq	0.02	0.001525			
PCB-168	0.0052	R	0.039	0.016	R	0.039	0.0033	J C153 B	0.04	0.0165			
PCB-169	ND	R	0.02	ND	R	0.02	0.000215	J	0.02	0.001075			
PCB-17	ND	R	0.02	0.016	R	0.02	0.0025	J q B	0.02	0.0125			
PCB-170	0.0016	R	0.02	0.0012	R	0.02	0.0013	J q B	0.02	0.0065			
PCB-171	0.000092	R	0.039	0.0006	R	0.039	0.0006	J q C	0.04	0.003			
PCB-172	ND	R	0.02	0.0005	R	0.02	0.0000335	Jq	0.02	0.000168			
PCB-173	0.000092	R	0.039	0.0006	R	0.039	0.0006	J q C171	0.04	0.003			
PCB-174	0.00097	R	0.02	0.0007	R	0.02	0.00093	J q B	0.02	0.00465			
PCB-175	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-176	ND	R	0.02	0.001	R	0.02	0.0000184	Jq	0.02	0.000092			
PCB-177	0.00083	R	0.02	0.0021	R	0.02	0.00069	J q	0.02	0.00345			
PCB-178	ND	R	0.02	ND	R	0.02	0.000256	Jq	0.02	0.00128			
PCB-179	0.00011	R	0.02	0.0012	R	0.02	0.00037	J q	0.02	0.00185			
PCB-18	0.0022	R	0.039	0.012	R	0.039	0.0032	J C B	0.04	0.016			
PCB-180	0.00022	R	0.039	0.0038	R	0.039	0.0029	J q C B	0.04	0.0145			
PCB-181	ND	R	0.02	ND	R	0.02	0.00072	J	0.02	0.0036			
PCB-182	0.00023	R	0.02	ND	R	0.02	0.0000465	Jq	0.02	0.000233			
PCB-183	0.00089	R	0.039	0.0012	R	0.039	0.0021	J q C B	0.04	0.0105			
PCB-184	ND	R	0.02	ND	R	0.02	0.0000474	Jq	0.02	0.000237			
PCB-185	0.00089	R	0.039	0.0012	R	0.039	0.0021	q C183 B	0.04	0.0105			
PCB-186	ND	R	0.02	ND	R	0.02	0.0000805	Jq	0.02	0.000403			
PCB-187	0.00037	R	0.02	0.0025	R	0.02	0.0012	J q B	0.02	0.006			
PCB-188	ND	R	0.02	ND	R	0.02	0.0000668	Jq	0.02	0.000334			
PCB-189	ND	R	0.02	ND	R	0.02	0.00026	J	0.02	0.0013			
PCB-19	ND	R	0.02	0.0015	R	0.02	0.0007	J q B	0.02	0.0035			
PCB-190	ND	R	0.02	0.0001	R	0.02	0.000116	Jq	0.02	0.00058			
PCB-191	ND	R	0.02	ND	R	0.02	0.000192	Jq	0.02	0.00096			
PCB-192	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-193	0.00022	R	0.039	0.0038	R	0.039	0.0029	q C180 B	0.04	0.0145			
PCB-194	ND	R	0.02	0.0009	R	0.02	0.000177	Jq	0.02	0.000885			
PCB-195	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-196	ND	R	0.02	ND	R	0.02	0.000221	Jq	0.02	0.001105			
PCB-197	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-198	ND	R	0.039	ND	R	0.039	0.00069	J q C	0.04	0.00345			
PCB-199	ND	R	0.039	ND	R	0.039	0.00069	J q C198	0.04	0.00345			
PCB-2	0.0064	R	0.02	0.0065	R	0.02	0.00363	J	0.02	0.01815			
PCB-20	0.005	R	0.039	0.026	R	0.039	0.0058	J C B	0.04	0.029			
PCB-200	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-201	ND	R	0.02	ND	R	0.02	0.000181	Jq	0.02	0.000905			
PCB-202	ND	R	0.02	0.0009	R	0.02		U	0.02				
PCB-203	ND	R	0.02	0.001	R	0.02	0.000211	Jq	0.02	0.001055			
PCB-204	ND	R	0.02	ND	R	0.02		U	0.02				
PCB-205	ND	R	0.02	ND	R	0.02	0.000107	Jq	0.02	0.000535			

TABLE A-2
ANALYTICAL RESULTS
SDG: 140-29568
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID				**LW-22-1102**			**OU1-22-1102**			**MB 140-69463/13-A**			
Lab Sample ID				140-29568-2			140-29568-6			Result	Qualifier	Quantitation	Action
Sampling Date				11/02/2022 10:37:00			11/02/2022 12:29:00			[ng/L]		Limit [ng/L]	Level [ng/L]
Matrix				Water			Water						
Dilution Factor				1			1						
Unit				ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL							
PCB-206	ND	R	0.02	0.0018	R	0.02		U		0.02			
PCB-207	ND	R	0.02	ND	R	0.02		U		0.02			
PCB-208	ND	R	0.02	ND	R	0.02		U		0.02			
PCB-209	0.0027	R	0.02	0.001	R	0.02	0.000257	Jq		0.02		0.001285	
PCB-21	0.003	R	0.039	0.0057	R	0.039	0.0064	J C B		0.04		0.032	
PCB-22	0.0012	R	0.02	0.0038	R	0.02	0.002	J B		0.02		0.01	
PCB-23	ND	R	0.02	ND	R	0.02	0.000235	J		0.02		0.001175	
PCB-24	ND	R	0.02	ND	R	0.02	0.0003	J q		0.02		0.0015	
PCB-25	0.00063	R	0.02	0.0027	R	0.02	0.0014	J q B		0.02		0.007	
PCB-26	ND	R	0.039	0.0086	R	0.039	0.001	J q C B		0.04		0.005	
PCB-27	ND	R	0.02	0.0066	R	0.02	0.000227	Jq		0.02		0.001135	
PCB-28	0.005	R	0.039	0.026	R	0.039	0.0058	J C20 B		0.04		0.029	
PCB-29	ND	R	0.039	0.0086	R	0.039	0.001	J q C26 B		0.04		0.005	
PCB-3	0.0037	R	0.02	0.0036	R	0.02	0.00265	Jq		0.02		0.01325	
PCB-30	0.0022	R	0.039	0.012	R	0.039	0.0032	J C18 B		0.04		0.016	
PCB-31	0.003	R	0.02	0.015	R	0.02	0.0033	J q B		0.02		0.0165	
PCB-32	ND	R	0.02	0.0041	R	0.02	0.00097	J q B		0.02		0.00485	
PCB-33	0.003	R	0.039	0.0057	R	0.039	0.0064	J C21 B		0.04		0.032	
PCB-34	ND	R	0.02	ND	R	0.02		U		0.02			
PCB-35	ND	R	0.02	ND	R	0.02	0.00095	J q B		0.02		0.00475	
PCB-36	ND	R	0.02	ND	R	0.02	0.000161	Jq		0.02		0.000805	
PCB-37	0.002	R	0.02	0.0068	R	0.02	0.0019	J q B		0.02		0.0095	
PCB-38	ND	R	0.02	ND	R	0.02	0.000145	J		0.02		0.000725	
PCB-39	ND	R	0.02	ND	R	0.02	0.000254	Jq		0.02		0.00127	
PCB-4	ND	R	0.029	0.011	R	0.029	0.00131	J		0.03		0.00655	
PCB-40	0.00026	R	0.059	0.013	R	0.059	0.0041	J C B		0.06		0.0205	
PCB-41	0.00026	R	0.059	0.013	R	0.059	0.0041	J C40 B		0.06		0.0205	
PCB-42	0.00044	R	0.02	0.0055	R	0.02	0.000762	J		0.02		0.00381	
PCB-43	ND	R	0.039	0.0015	R	0.039	0.000141	JCq		0.04		0.000705	
PCB-44	0.11	R	0.059	0.1	R	0.059	0.17	C B		0.06		0.85	
PCB-45	0.012	R	0.039	0.011	R	0.039	0.11	C B		0.04		0.55	
PCB-46	ND	R	0.02	0.001	R	0.02	0.000278	Jq		0.02		0.00139	
PCB-47	0.11	R	0.059	0.1	R	0.059	0.17	C44 B		0.06		0.85	
PCB-48	ND	R	0.02	0.0027	R	0.02	0.000384	J		0.02		0.00192	
PCB-49	0.0037	R	0.039	0.023	R	0.039	0.00158	JCq		0.04		0.0079	
PCB-5	ND	R	0.02	ND	R	0.02	0.000377	Jq		0.02		0.001885	
PCB-50	ND	R	0.039	0.009	R	0.039		UC		0.04			
PCB-51	0.012	R	0.039	0.011	R	0.039	0.11	C45 B		0.04		0.55	
PCB-52	0.0043	R	0.02	0.031	R	0.02	0.0038	J B		0.02		0.019	
PCB-53	ND	R	0.039	0.009	R	0.039		UC50		0.04			
PCB-54	ND	R	0.02	ND	R	0.02		U		0.02			
PCB-55	0.00024	R	0.02	ND	R	0.02	0.000158	Jq		0.02		0.00079	
PCB-56	0.0014	R	0.02	0.0067	R	0.02	0.000386	Jq		0.02		0.00193	
PCB-57	ND	R	0.02	0.0005	R	0.02	0.000177	Jq		0.02		0.000885	
PCB-58	ND	R	0.02	ND	R	0.02		U		0.02			
PCB-59	0.00091	R	0.059	0.0029	R	0.059	0.000884	JC		0.06		0.00442	
PCB-6	0.0015	R	0.02	0.0023	R	0.02	0.002	J		0.02		0.01	
PCB-60	0.00031	R	0.02	0.0032	R	0.02	0.000409	Jq		0.02		0.002045	
PCB-61	0.0054	R	0.078	0.024	R	0.078	0.0068	J C B		0.08		0.034	
PCB-62	0.00091	R	0.059	0.0029	R	0.059	0.000884	JC59		0.06		0.00442	
PCB-63	ND	R	0.02	0.0008	R	0.02	0.001	J q		0.02		0.005	
PCB-64	0.00043	R	0.02	0.0074	R	0.02	0.0048	J q B		0.02		0.024	
PCB-65	0.11	R	0.059	0.1	R	0.059	0.17	C44 B		0.06		0.85	
PCB-66	0.0043	R	0.02	0.019	R	0.02	0.003	J q B		0.02		0.015	
PCB-67	ND	R	0.02	0.0006	R	0.02		U		0.02			
PCB-68	0.023	R	0.02	0.023	R	0.02	0.054	B		0.02		0.27	
PCB-69	0.0037	R	0.039	0.023	R	0.039	0.0055	J C49 B		0.04		0.0275	
PCB-7	0.0016	R	0.02	0.001	R	0.02	0.0048	J		0.02		0.024	
PCB-70	0.0054	R	0.078	0.024	R	0.078	0.0068	J C61 B		0.08		0.034	
PCB-71	0.00026	R	0.059	0.013	R	0.059	0.0041	J C40 B		0.06		0.0205	
PCB-72	ND	R	0.02	ND	R	0.02	0.000209	Jq		0.02		0.001045	
PCB-73	ND	R	0.039	0.0015	R	0.039	0.000141	JC43q		0.04		0.000705	
PCB-74	0.0054	R	0.078	0.024	R	0.078	0.0068	J C61 B		0.08		0.034	
PCB-75	0.00091	R	0.059	0.0029	R	0.059	0.000884	JC59		0.06		0.00442	
PCB-76	0.0054	R	0.078	0.024	R	0.078	0.0068	J C61 B		0.08		0.034	
PCB-77	0.0011	R	0.02	0.0016	R	0.02	0.0022	J		0.02		0.011	
PCB-78	ND	R	0.02	ND	R	0.02		U		0.02			
PCB-79	0.00014	R	0.02	ND	R	0.02	0.00016	J		0.02		0.0008	
PCB-8	0.004	R	0.029	0.0056	R	0.029	0.0031	J q B		0.03		0.0155	
PCB-80	ND	R	0.02	ND	R	0.02	0.00024	J		0.02		0.0012	
PCB-81	ND	R	0.02	ND	R	0.02	0.000267	Jq		0.02		0.001335	
PCB-82	ND	R	0.02	0.0014	R	0.02		U		0.02			
PCB-83	0.0062	R	0.039	0.015	R	0.039	0.0015	J q C B		0.04		0.0075	
PCB-84	ND	R	0.02	0.0061	R	0.02	0.0025	J		0.02		0.0125	
PCB-85	ND	R	0.059	0.0026	R	0.059	0.0019	J C		0.06		0.0095	
PCB-86	0.0027	R	0.12	0.014	R	0.12	0.0051	J q C B		0.12		0.0255	
PCB-87	0.0027	R	0.12	0.014	R	0.12	0.0051	J q C86 B		0.12		0.0255	
PCB-88	0.0018	R	0.039	0.0045	R	0.039	0.0012	J q C		0.04		0.006	
PCB-89	ND	R	0.02	ND	R	0.02		U		0.02			
PCB-9	ND	R	0.02	ND	R	0.02	0.000536	Jq		0.02		0.00268	
PCB-90	0.0033	R	0.059	0.021	R	0.059	0.0043	J C B		0.06		0.0215	
PCB-91	0.0018	R	0.039	0.0045	R	0.039	0.0012	J q C88		0.04		0.006	
PCB-92	ND	R	0.02	0.0066	R	0.02	0.000353	Jq		0.02		0.001765	
PCB-93	ND	R	0.039	ND	R	0.039	0.000471	JCq		0.04		0.002355	
PCB-94	ND	R	0.02	ND	R	0.02		U		0.02			
PCB-95	0.0025	R	0.02	0.019	R	0.02	0.0042	J B		0.02		0.021	
PCB-96	ND	R	0.02	ND	R	0.02		U		0.02			
PCB-97	0.0027	R	0.12	0.014	R	0.12	0.0051	J q C86 B		0.12		0.0255	
PCB-98	ND	R	0.039	ND	R	0.039		UC		0.04			
PCB-99	0.0062	R	0.039	0.015	R	0.039	0.0015	J q C83 B		0.04		0.0075	

NOTES:

B : Compound was found in the blank and sample.
C : The compound co-eluted with other compounds
C108 : The compound co-eluted with PCB-108
C110 : The compound co-eluted with PCB-110
C12 : The compound co-eluted with PCB-12
C128 : The compound co-eluted with PCB-128
C129 : The compound co-eluted with PCB-129
C134 : The compound co-eluted with PCB-134
C135 : The compound co-eluted with PCB-135
C139 : The compound co-eluted with PCB-139
C147 : The compound co-eluted with PCB-147
C153 : The compound co-eluted with PCB-153
C156 : The compound co-eluted with PCB-156
C171 : The compound co-eluted with PCB-171
C18 : The compound co-eluted with PCB-18
C180 : The compound co-eluted with PCB-180
C183 : The compound co-eluted with PCB-183
C198 : The compound co-eluted with PCB-198
C20 : The compound co-eluted with PCB-20
C21 : The compound co-eluted with PCB-21
C26 : The compound co-eluted with PCB-26
C40 : The compound co-eluted with PCB-40
C43 : The compound co-eluted with PCB-43
C44 : The compound co-eluted with PCB-44
C45 : The compound co-eluted with PCB-45
C49 : The compound co-eluted with PCB-49
C50 : The compound co-eluted with PCB-50
C59 : The compound co-eluted with PCB-59
C61 : The compound co-eluted with PCB-61
C83 : The compound co-eluted with PCB-83
C85 : The compound co-eluted with PCB-85
C86 : The compound co-eluted with PCB-86
C88 : The compound co-eluted with PCB-88
C90 : The compound co-eluted with PCB-90
C93 : The compound co-eluted with PCB-93
C98 : The compound co-eluted with PCB-98
Blank Result is reported from Rinsate Blank
Sample concentration is less than 5 times the blank Action Level.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q : The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.
U : Indicates the analyte was analyzed for but not detected.

TABLE A-3
ANALYTICAL RESULTS
SDG: 140-29568
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	OU2A-22-1102			OU2B-22-1102			OU2C-22-1103			MB 140-69463/13-A			
Lab Sample ID	140-29568-7			140-29568-8			140-29568-9			Result [ng/L]	Qualifier	Quantitation Limit [ng/L]	Action Level [ng/L]
Sampling Date	11/02/2022 14:04:00			11/02/2022 15:34:00			11/03/2022 08:25:00						
Matrix	Water			Water			Water						
Dilution Factor	1			1			1						
Unit	ng/l			ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL	Result	Q	RL				
PCB-1	0.0024	R	0.02	0.0036	R	0.02	0.0025	R	0.02	0.00203	J	0.02	0.01015
PCB-10	ND	R	0.02	ND	R	0.02	0.0014	R	0.02		U	0.02	
PCB-100	ND	R	0.039	ND	R	0.039	ND	R	0.039	0.000471	JC93q	0.04	0.002355
PCB-101	0.013	R	0.059	0.02	R	0.059	0.023	R	0.059	0.0043	J C90 B	0.06	0.0215
PCB-102	ND	R	0.039	0.0018	R	0.039	0.0012	R	0.039		UC98	0.04	
PCB-103	ND	R	0.02	ND	R	0.02	0.00098	R	0.02		U	0.02	
PCB-104	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000233	Jq	0.02	0.001165
PCB-105	0.0059	R	0.02	0.0056	R	0.02	0.0064	R	0.02	0.0015	J q B	0.02	0.0075
PCB-106	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-107	ND	R	0.02	0.00097	R	0.02	0.0024	R	0.02	0.000247	Jq	0.02	0.001235
PCB-108	ND	R	0.039	ND	R	0.039	ND	R	0.039	0.000323	JC	0.04	0.001615
PCB-109	0.0099	R	0.12	0.0094	R	0.12	0.013	R	0.12	0.0051	q C86 B	0.12	0.0255
PCB-11	0.018	R	0.029	0.025	R	0.029	0.029	R	0.029	0.035	J B	0.03	0.175
PCB-110	0.016	R	0.039	0.023	R	0.039	0.024	R	0.039	0.0036	J C B	0.04	0.018
PCB-111	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-112	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000292	J	0.02	0.00146
PCB-113	0.013	R	0.059	0.02	R	0.059	0.023	R	0.059	0.0043	J C90 B	0.06	0.0215
PCB-114	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-115	0.016	R	0.039	0.023	R	0.039	0.024	R	0.039	0.0036	J C110 B	0.04	0.018
PCB-116	0.0025	R	0.059	0.0041	R	0.059	0.0052	R	0.059	0.0019	J C85	0.06	0.0095
PCB-117	0.0025	R	0.059	0.0041	R	0.059	0.0052	R	0.059	0.0019	J C85	0.06	0.0095
PCB-118	0.01	R	0.02	0.02	R	0.02	0.018	R	0.02	0.0053	J B	0.02	0.0265
PCB-119	0.0099	R	0.12	0.0094	R	0.12	0.013	R	0.12	0.0051	q C86 B	0.12	0.0255
PCB-12	0.0029	R	0.039	0.0035	R	0.039	0.0028	R	0.039	0.00155	JC	0.04	0.00775
PCB-120	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000149	J	0.02	0.000745
PCB-121	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-122	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-123	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-124	ND	R	0.039	ND	R	0.039	ND	R	0.039	0.000323	JC108	0.04	0.001615
PCB-125	0.0099	R	0.12	0.0094	R	0.12	0.013	R	0.12	0.0051	q C86 B	0.12	0.0255
PCB-126	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000202	Jq	0.02	0.00101
PCB-127	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-128	0.0014	R	0.039	0.0026	R	0.039	0.0041	R	0.039	0.000444	JCq	0.04	0.00222
PCB-129	0.011	R	0.078	0.02	R	0.078	0.019	R	0.078	0.0037	J C B	0.08	0.0185
PCB-13	0.0029	R	0.039	0.0035	R	0.039	0.0028	R	0.039	0.00155	JC12	0.04	0.00775
PCB-130	0.00044	R	0.02	0.0013	R	0.02	0.0015	R	0.02	0.00021	Jq	0.02	0.00105
PCB-131	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-132	0.0043	R	0.02	0.007	R	0.02	0.0052	R	0.02	0.0018	J q	0.02	0.009
PCB-133	ND	R	0.02	0.00025	R	0.02	0.00047	R	0.02		U	0.02	
PCB-134	0.0011	R	0.039	0.00091	R	0.039	0.00096	R	0.039	0.00031	JCq	0.04	0.00155
PCB-135	0.0066	R	0.039	0.0051	R	0.039	0.0059	R	0.039	0.0021	J C B	0.04	0.0105
PCB-136	0.00078	R	0.02	0.001	R	0.02	0.0021	R	0.02	0.0004	J q B	0.02	0.002
PCB-137	0.00025	R	0.02	0.00096	R	0.02	0.0015	R	0.02	0.000363	Jq	0.02	0.001815
PCB-138	0.011	R	0.078	0.02	R	0.078	0.019	R	0.078	0.0037	J C129 B	0.08	0.0185
PCB-139	ND	R	0.039	ND	R	0.039	ND	R	0.039	0.00041	J q C	0.04	0.00205
PCB-14	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-140	ND	R	0.039	ND	R	0.039	ND	R	0.039	0.00041	J q C139	0.04	0.00205
PCB-141	0.0013	R	0.02	0.0027	R	0.02	0.0019	R	0.02	0.0014	J	0.02	0.007
PCB-142	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-143	0.0011	R	0.039	0.00091	R	0.039	0.00096	R	0.039	0.00031	JC134q	0.04	0.00155
PCB-144	ND	R	0.02	0.0003	R	0.02	ND	R	0.02	0.000121	Jq	0.02	0.000605
PCB-145	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-146	0.00079	R	0.02	0.0017	R	0.02	0.0027	R	0.02	0.00044	J q	0.02	0.0022
PCB-147	0.0087	R	0.039	0.014	R	0.039	0.011	R	0.039	0.0024	J C B	0.04	0.012
PCB-148	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-149	0.0087	R	0.039	0.014	R	0.039	0.011	R	0.039	0.0024	J C147 B	0.04	0.012
PCB-15	0.011	R	0.02	0.016	R	0.02	0.015	R	0.02	0.0022	J q B	0.02	0.011
PCB-150	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-151	0.0066	R	0.039	0.0051	R	0.039	0.0059	R	0.039	0.0021	J C135 B	0.04	0.0105
PCB-152	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-153	0.011	R	0.039	0.015	R	0.039	0.014	R	0.039	0.0033	J C B	0.04	0.0165
PCB-154	ND	R	0.02	0.00027	R	0.02	0.00018	R	0.02		U	0.02	
PCB-155	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-156	0.00075	R	0.039	0.0016	R	0.039	0.0023	R	0.039	0.000385	JCq	0.04	0.001925
PCB-157	0.00075	R	0.039	0.0016	R	0.039	0.0023	R	0.039	0.000385	JC156q	0.04	0.001925
PCB-158	0.00078	R	0.02	0.0012	R	0.02	0.00097	R	0.02	0.0003	J q	0.02	0.0015
PCB-159	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000152	Jq	0.02	0.00076
PCB-16	0.0031	R	0.02	0.0081	R	0.02	0.012	R	0.02	0.0022	J B	0.02	0.011
PCB-160	0.011	R	0.078	0.02	R	0.078	0.019	R	0.078	0.0037	J C129 B	0.08	0.0185
PCB-161	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000254	Jq	0.02	0.00127
PCB-162	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.0000768	Jq	0.02	0.000384
PCB-163	0.011	R	0.078	0.02	R	0.078	0.019	R	0.078	0.0037	J C129 B	0.08	0.0185
PCB-164	0.00039	R	0.02	0.00078	R	0.02	0.0012	R	0.02	0.00054	J	0.02	0.0027
PCB-165	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-166	0.0014	R	0.039	0.0026	R	0.039	0.0041	R	0.039	0.000444	JC128q	0.04	0.00222
PCB-167	0.0001	R	0.02	0.00043	R	0.02	0.00049	R	0.02	0.000305	Jq	0.02	0.001525
PCB-168	0.011	R	0.039	0.015	R	0.039	0.014	R	0.039	0.0033	J C153 B	0.04	0.0165
PCB-169	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000215	J	0.02	0.001075
PCB-17	0.017	R	0.02	0.031	R	0.02	0.03	R	0.02	0.0025	J q B	0.02	0.0125
PCB-170	0.00073	R	0.02	0.0039	R	0.02	0.0036	R	0.02	0.0013	J q B	0.02	0.0065
PCB-171	0.001	R	0.039	0.00045	R	0.039	0.00091	R	0.039	0.0006	J q C	0.04	0.003
PCB-172	0.00037	R	0.02	0.00052	R	0.02	0.00098	R	0.02	0.0000335	Jq	0.02	0.0001675
PCB-173	0.001	R	0.039	0.00045	R	0.039	0.00091	R	0.039	0.0006	J q C171	0.04	0.003
PCB-174	0.0024	R	0.02	0.0023	R	0.02	0.0025	R	0.02	0.00093	J q B	0.02	0.00465
PCB-175	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-176	ND	R	0.02	0.00036	R	0.02	0.000068	R	0.02	0.0000184	Jq	0.02	0.000092
PCB-177	0.001	R	0.02	0.0014	R	0.02	0.0026	R	0.02	0.00069	J q	0.02	0.00345
PCB-178	0.0002	R	0.02	ND	R	0.02	0.00037	R	0.02	0.000256	Jq	0.02	0.00128
PCB-179	0.00022	R	0.02	0.0014	R	0.02	0.00048	R	0.02	0.00037	J q	0.02	0.00185
PCB-18	0.0078	R	0.039	0.035	R	0.039	0.03	R	0.039	0.0032	J C B	0.04	0.016
PCB-180	0.0023	R	0.039	0.005	R	0.039	0.0063	R	0.039	0.0029	J q C B	0.04	0.0145
PCB-181	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.00072	J	0.02	0.0036
PCB-182	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.0000465	Jq	0.02	0.0002325
PCB-183	0.0018	R	0.039	0.0028	R	0.039	0.0018	R	0.039	0.0021	J q C B	0.04	0.0105
PCB-184	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.0000474	Jq	0.02	0.000237
PCB-185	0.0018	R	0.039	0.0028	R	0.039	0.0018	R	0.039	0.0021	q C183 B	0.04	0.0105
PCB-186	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.0000805	Jq	0.02	0.0004025
PCB-187	0.0036	R	0.02	0.0043	R	0.02	0.0062	R	0.02	0.0012	J q B	0.02	0.006
PCB-188	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.0000668	Jq	0.02	0.000334
PCB-189	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.00026	J	0.02	0.0013
PCB-19	0.004	R	0.02	0.0049	R	0.02	0.0071	R	0.02	0.0007	J q B	0.02	0.0035
PCB-190	ND	R	0.02	ND	R	0.02	0.00012	R	0.02	0.000116	Jq	0.02	0.00058
PCB-191	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000192	Jq	0.02	0.00096
PCB-192	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-193	0.0023	R	0.039	0.005	R	0.039	0.0063	R	0.039	0.0029	q C180 B	0.04	0.0145
PCB-194	0.0011	R	0.02	0.0011	R	0.02	0.0013	R	0.02	0.000177	Jq	0.02	0.000885
PCB-195	ND	R	0.02	0.0012	R	0.02	ND	R	0.02		U	0.02	
PCB-196	0.00043	R	0.02	0.00037	R	0.02	0.0012	R	0.02	0.000221	Jq	0.02	0.001105
PCB-197	0.00026	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-198	0.00072	R	0.039	0.0033	R	0.039	0.0022	R	0.039	0.00069	J q C	0.04	0.00345
PCB-199	0.00072	R	0.039	0.0033	R	0.039	0.0022	R	0.039	0.00069	J q C198	0.04	0.00345
PCB-2	0.004	R	0.02	0.006	R	0.02	0.0037	R	0.02	0.00363	J	0.02	0.01815
PCB-20	0.028	R	0.039	0.052	R	0.039	0.051	R	0.039	0.0058	J C B	0.04	0.029
PCB-200	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-201	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000181	Jq	0.02	0.000905
PCB-202	0.00037	R	0.02	0.00083	R	0.02	0.00039	R	0.02		U	0.02	
PCB-203	ND	R	0.02	0.0015	R	0.02	0.0016	R	0.02	0.000211	Jq	0.02	0.001055
PCB-204	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-205	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000107	Jq	0.02	0.000535

TABLE A-3
ANALYTICAL RESULTS
SDG: 140-29568
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	OU2A-22-1102			OU2B-22-1102			OU2C-22-1103			MB 140-69463/13-A			
Lab Sample ID	140-29568-7			140-29568-8			140-29568-9			Result	Qualifier	Quantitation	Action
Sampling Date	11/02/2022 14:04:00			11/02/2022 15:34:00			11/03/2022 08:25:00			[ng/L]		Limit [ng/L]	Level [ng/L]
Matrix	Water			Water			Water						
Dilution Factor	1			1			1						
Unit	ng/l			ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL	Result	Q	RL				
PCB-206	0.0036	R	0.02	0.0037	R	0.02	0.0028	R	0.02		U	0.02	
PCB-207	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-208	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-209	0.0024	R	0.02	0.00081	R	0.02	0.0023	R	0.02	0.000257	Jq	0.02	0.001285
PCB-21	0.0046	R	0.039	0.013	R	0.039	0.012	R	0.039	0.0064	J C B	0.04	0.032
PCB-22	0.0043	R	0.02	0.01	R	0.02	0.0097	R	0.02	0.002	J B	0.02	0.01
PCB-23	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000235	J	0.02	0.001175
PCB-24	ND	R	0.02	0.00087	R	0.02	ND	R	0.02	0.0003	J q	0.02	0.0015
PCB-25	0.003	R	0.02	0.0074	R	0.02	0.0064	R	0.02	0.0014	J q B	0.02	0.007
PCB-26	0.01	R	0.039	0.017	R	0.039	0.015	R	0.039	0.001	J q C B	0.04	0.005
PCB-27	0.005	R	0.02	0.0085	R	0.02	0.0063	R	0.02	0.000227	Jq	0.02	0.001135
PCB-28	0.028	R	0.039	0.052	R	0.039	0.051	R	0.039	0.0058	J C20 B	0.04	0.029
PCB-29	0.01	R	0.039	0.017	R	0.039	0.015	R	0.039	0.001	q C26 B	0.04	0.005
PCB-3	0.0025	R	0.02	0.0041	R	0.02	0.0026	R	0.02	0.00265	Jq	0.02	0.01325
PCB-30	0.0078	R	0.039	0.035	R	0.039	0.03	R	0.039	0.0032	J C18 B	0.04	0.016
PCB-31	0.017	R	0.02	0.04	R	0.02	0.038	R	0.02	0.0033	J q B	0.02	0.0165
PCB-32	0.0031	R	0.02	0.0098	R	0.02	0.0067	R	0.02	0.00097	J q B	0.02	0.00485
PCB-33	0.0046	R	0.039	0.013	R	0.039	0.012	R	0.039	0.0064	J C21 B	0.04	0.032
PCB-34	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-35	ND	R	0.02	0.00059	R	0.02	0.00066	R	0.02	0.00095	J q B	0.02	0.00475
PCB-36	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000161	Jq	0.02	0.000805
PCB-37	0.0065	R	0.02	0.012	R	0.02	0.012	R	0.02	0.0019	J q B	0.02	0.0095
PCB-38	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000145	J	0.02	0.000725
PCB-39	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000254	Jq	0.02	0.00127
PCB-4	0.022	R	0.029	0.028	R	0.029	0.025	R	0.029	0.00131	J	0.03	0.00655
PCB-40	0.014	R	0.059	0.025	R	0.059	0.023	R	0.059	0.0041	J C B	0.06	0.0205
PCB-41	0.014	R	0.059	0.025	R	0.059	0.023	R	0.059	0.0041	J C40 B	0.06	0.0205
PCB-42	0.0081	R	0.02	0.0088	R	0.02	0.01	R	0.02	0.000762	J	0.02	0.00381
PCB-43	0.0013	R	0.039	0.0019	R	0.039	0.0014	R	0.039	0.000141	JCq	0.04	0.000705
PCB-44	0.037	R	0.059	0.05	R	0.059	0.16	R	0.059	0.17	C B	0.06	0.85
PCB-45	0.0055	R	0.039	0.0085	R	0.039	0.027	R	0.039	0.11	C B	0.04	0.55
PCB-46	0.00094	R	0.02	0.0023	R	0.02	0.0027	R	0.02	0.000278	Jq	0.02	0.00139
PCB-47	0.037	R	0.059	0.05	R	0.059	0.16	R	0.059	0.17	C44 B	0.06	0.85
PCB-48	0.0036	R	0.02	0.0064	R	0.02	0.005	R	0.02	0.000384	J	0.02	0.00192
PCB-49	0.02	R	0.039	0.034	R	0.039	0.03	R	0.039	0.00158	JCq	0.04	0.0079
PCB-5	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000377	Jq	0.02	0.001885
PCB-50	0.0065	R	0.039	0.01	R	0.039	0.01	R	0.039		UC	0.04	
PCB-51	0.0055	R	0.039	0.0085	R	0.039	0.027	R	0.039	0.11	C45 B	0.04	0.55
PCB-52	0.027	R	0.02	0.046	R	0.02	0.043	R	0.02	0.0038	J B	0.02	0.019
PCB-53	0.0065	R	0.039	0.01	R	0.039	0.01	R	0.039		UC50	0.04	
PCB-54	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-55	ND	R	0.02	0.00051	R	0.02	ND	R	0.02	0.000158	Jq	0.02	0.00079
PCB-56	0.0068	R	0.02	0.01	R	0.02	0.0098	R	0.02	0.000386	Jq	0.02	0.00193
PCB-57	ND	R	0.02	0.00032	R	0.02	0.00048	R	0.02	0.000177	Jq	0.02	0.000885
PCB-58	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-59	0.0021	R	0.059	0.004	R	0.059	0.0049	R	0.059	0.000884	JC	0.06	0.00442
PCB-6	ND	R	0.02	0.0053	R	0.02	0.0036	R	0.02	0.002	J	0.02	0.01
PCB-60	0.0025	R	0.02	0.0043	R	0.02	0.0042	R	0.02	0.000409	Jq	0.02	0.002045
PCB-61	0.027	R	0.078	0.046	R	0.078	0.041	R	0.078	0.0068	J C B	0.08	0.034
PCB-62	0.0021	R	0.059	0.004	R	0.059	0.0049	R	0.059	0.000884	JC59	0.06	0.00442
PCB-63	0.0014	R	0.02	0.0018	R	0.02	0.0026	R	0.02	0.001	J q	0.02	0.005
PCB-64	0.0099	R	0.02	0.015	R	0.02	0.016	R	0.02	0.0048	J q B	0.02	0.024
PCB-65	0.037	R	0.059	0.05	R	0.059	0.16	R	0.059	0.17	C44 B	0.06	0.85
PCB-66	0.018	R	0.02	0.028	R	0.02	0.027	R	0.02	0.003	J q B	0.02	0.015
PCB-67	0.00046	R	0.02	0.00081	R	0.02	0.0011	R	0.02		U	0.02	
PCB-68	0.0019	R	0.02	0.0016	R	0.02	0.019	R	0.02	0.054	B	0.02	0.27
PCB-69	0.02	R	0.039	0.034	R	0.039	0.03	R	0.039	0.0055	J C49 B	0.04	0.0275
PCB-7	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.0048	J	0.02	0.024
PCB-70	0.027	R	0.078	0.046	R	0.078	0.041	R	0.078	0.0068	J C61 B	0.08	0.034
PCB-71	0.014	R	0.059	0.025	R	0.059	0.023	R	0.059	0.0041	J C40 B	0.06	0.0205
PCB-72	0.00048	R	0.02	0.0012	R	0.02	0.00034	R	0.02	0.000209	Jq	0.02	0.001045
PCB-73	0.0013	R	0.039	0.0019	R	0.039	0.0014	R	0.039	0.000141	JC43q	0.04	0.000705
PCB-74	0.027	R	0.078	0.046	R	0.078	0.041	R	0.078	0.0068	J C61 B	0.08	0.034
PCB-75	0.0021	R	0.059	0.004	R	0.059	0.0049	R	0.059	0.000884	JC59	0.06	0.00442
PCB-76	0.027	R	0.078	0.046	R	0.078	0.041	R	0.078	0.0068	J C61 B	0.08	0.034
PCB-77	0.002	R	0.02	0.0035	R	0.02	0.0034	R	0.02	0.0022	J	0.02	0.011
PCB-78	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-79	ND	R	0.02	0.00034	R	0.02	ND	R	0.02	0.00016	J	0.02	0.0008
PCB-8	0.0065	R	0.029	0.017	R	0.029	0.012	R	0.029	0.0031	J q B	0.03	0.0155
PCB-80	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.00024	J	0.02	0.0012
PCB-81	0.00027	R	0.02	0.0004	R	0.02	ND	R	0.02	0.000267	Jq	0.02	0.001335
PCB-82	0.00078	R	0.02	0.0025	R	0.02	ND	R	0.02		U	0.02	
PCB-83	0.01	R	0.039	0.014	R	0.039	0.014	R	0.039	0.0015	J q C B	0.04	0.0075
PCB-84	0.0029	R	0.02	0.0075	R	0.02	0.0037	R	0.02	0.0025	J	0.02	0.0125
PCB-85	0.0025	R	0.059	0.0041	R	0.059	0.0052	R	0.059	0.0019	J C	0.06	0.0095
PCB-86	0.0099	R	0.12	0.0094	R	0.12	0.013	R	0.12	0.0051	J q C B	0.12	0.0255
PCB-87	0.0099	R	0.12	0.0094	R	0.12	0.013	R	0.12	0.0051	q C86 B	0.12	0.0255
PCB-88	0.0026	R	0.039	0.0047	R	0.039	0.0049	R	0.039	0.0012	J q C	0.04	0.006
PCB-89	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-9	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000536	Jq	0.02	0.00268
PCB-90	0.013	R	0.059	0.02	R	0.059	0.023	R	0.059	0.0043	J C B	0.06	0.0215
PCB-91	0.0026	R	0.039	0.0047	R	0.039	0.0049	R	0.039	0.0012	J q C88	0.04	0.006
PCB-92	0.0029	R	0.02	0.0069	R	0.02	0.0073	R	0.02	0.000353	Jq	0.02	0.001765
PCB-93	ND	R	0.039	ND	R	0.039	ND	R	0.039	0.000471	JCq	0.04	0.002355
PCB-94	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-95	0.015	R	0.02	0.019	R	0.02	0.02	R	0.02	0.0042	J B	0.02	0.021
PCB-96	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-97	0.0099	R	0.12	0.0094	R	0.12	0.013	R	0.12	0.0051	q C86 B	0.12	0.0255
PCB-98	ND	R	0.039	0.0018	R	0.039	0.0012	R	0.039		UC	0.04	
PCB-99	0.01	R	0.039	0.014	R	0.039	0.014	R	0.039	0.0015	q C83 B	0.04	0.0075

NOTES:

B : Compound was found in the blank and sample.
C : The compound co-eluted with other compounds
C108 : The compound co-eluted with PCB-108
C110 : The compound co-eluted with PCB-110
C12 : The compound co-eluted with PCB-12
C128 : The compound co-eluted with PCB-128
C129 : The compound co-eluted with PCB-129
C134 : The compound co-eluted with PCB-134
C135 : The compound co-eluted with PCB-135
C139 : The compound co-eluted with PCB-139
C147 : The compound co-eluted with PCB-147
C153 : The compound co-eluted with PCB-153
C156 : The compound co-eluted with PCB-156
C171 : The compound co-eluted with PCB-171
C18 : The compound co-eluted with PCB-18
C180 : The compound co-eluted with PCB-180
C183 : The compound co-eluted with PCB-183
C198 : The compound co-eluted with PCB-198
C20 : The compound co-eluted with PCB-20
C21 : The compound co-eluted with PCB-21
C26 : The compound co-eluted with PCB-26
C40 : The compound co-eluted with PCB-40
C43 : The compound co-eluted with PCB-43
C44 : The compound co-eluted with PCB-44
C45 : The compound co-eluted with PCB-45
C49 : The compound co-eluted with PCB-49
C50 : The compound co-eluted with PCB-50
C59 : The compound co-eluted with PCB-59
C61 : The compound co-eluted with PCB-61
C83 : The compound co-eluted with PCB-83
C85 : The compound co-eluted with PCB-85
C86 : The compound co-eluted with PCB-86
C88 : The compound co-eluted with PCB-88
C90 : The compound co-eluted with PCB-90
C93 : The compound co-eluted with PCB-93
C98 : The compound co-eluted with PCB-98

Sample concentration is less than 5 times the blank Action Level.
Blank Result is reported from Rinsate Blank
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

q : The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

U : Indicates the analyte was analyzed for but not detected.

TABLE A-4
ANALYTICAL RESULTS
SDG: 140-29568
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	OU3-22-1103			OU3D-22-1103			OU4-22-1101			MB 140-69463/13-A			
Lab Sample ID	140-29568-10			140-29568-11			140-29568-12			Result [ng/L]	Qualifier	Quantitation Limit [ng/L]	Action Level [ng/L]
Sampling Date	11/03/2022 10:46:00			11/03/2022 10:46:00			11/01/2022 16:16:00						
Matrix	Water			Water			Water						
Dilution Factor	1			1			1						
Unit	ng/l			ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL	Result	Q	RL				
PCB-1	0.0013	R	0.02	0.0028	R	0.02	0.0032	R	0.02	0.00203	J	0.02	0.01015
PCB-10	0.0018	R	0.02	0.0014	R	0.02	0.002	R	0.02		U	0.02	
PCB-100	ND	R	0.039	ND	R	0.039	0.001	R	0.039	0.000471	JC93q	0.04	0.002355
PCB-101	0.032	R	0.059	0.026	R	0.059	0.049	R	0.059	0.0043	J C90 B	0.06	0.0215
PCB-102	0.0014	R	0.039	0.0025	R	0.039	0.0031	R	0.039		UC98	0.04	
PCB-103	ND	R	0.02	ND	R	0.02	0.00099	R	0.02		U	0.02	
PCB-104	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000233	Jq	0.02	0.001165
PCB-105	0.009	R	0.02	0.0097	R	0.02	0.016	R	0.02	0.0015	J q B	0.02	0.0075
PCB-106	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-107	0.0035	R	0.02	0.003	R	0.02	0.0057	R	0.02	0.000247	Jq	0.02	0.001235
PCB-108	ND	R	0.039	ND	R	0.039	0.0019	R	0.039	0.000323	JC	0.04	0.001615
PCB-109	0.02	R	0.12	0.019	R	0.12	0.027	R	0.12	0.0051	J q C86 B	0.12	0.0255
PCB-11	0.023	R	0.029	0.026	R	0.029	0.025	R	0.029	0.035	J B	0.03	0.175
PCB-110	0.031	R	0.039	0.029	R	0.039	0.055	R	0.039	0.0036	J C B	0.04	0.018
PCB-111	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-112	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000292	J	0.02	0.00146
PCB-113	0.032	R	0.059	0.026	R	0.059	0.049	R	0.059	0.0043	J C90 B	0.06	0.0215
PCB-114	ND	R	0.02	ND	R	0.02	0.002	R	0.02		U	0.02	
PCB-115	0.031	R	0.039	0.029	R	0.039	0.055	R	0.039	0.0036	J C110 B	0.04	0.018
PCB-116	0.0049	R	0.059	0.0054	R	0.059	0.0089	R	0.059	0.0019	J C85	0.06	0.0095
PCB-117	0.0049	R	0.059	0.0054	R	0.059	0.0089	R	0.059	0.0019	J C85	0.06	0.0095
PCB-118	0.025	R	0.02	0.025	R	0.02	0.052	R	0.02	0.0053	J B	0.02	0.0265
PCB-119	0.02	R	0.12	0.019	R	0.12	0.027	R	0.12	0.0051	J q C86 B	0.12	0.0255
PCB-12	0.0035	R	0.039	0.0057	R	0.039	0.005	R	0.039	0.00155	JC	0.04	0.00775
PCB-120	ND	R	0.02	0.00058	R	0.02	ND	R	0.02	0.000149	J	0.02	0.000745
PCB-121	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-122	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-123	ND	R	0.02	ND	R	0.02	0.0017	R	0.02		U	0.02	
PCB-124	ND	R	0.039	ND	R	0.039	0.0019	R	0.039	0.000323	JC108	0.04	0.001615
PCB-125	0.02	R	0.12	0.019	R	0.12	0.027	R	0.12	0.0051	J q C86 B	0.12	0.0255
PCB-126	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000202	Jq	0.02	0.00101
PCB-127	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-128	0.0037	R	0.039	0.0035	R	0.039	0.0065	R	0.039	0.000444	JCq	0.04	0.00222
PCB-129	0.021	R	0.078	0.031	R	0.078	0.052	R	0.078	0.0037	J C B	0.08	0.0185
PCB-13	0.0035	R	0.039	0.0057	R	0.039	0.005	R	0.039	0.00155	JC12	0.04	0.00775
PCB-130	0.0007	R	0.02	0.0014	R	0.02	0.0029	R	0.02	0.00021	Jq	0.02	0.00105
PCB-131	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-132	0.0081	R	0.02	0.0075	R	0.02	0.012	R	0.02	0.0018	J q	0.02	0.009
PCB-133	ND	R	0.02	0.00071	R	0.02	0.00045	R	0.02		U	0.02	
PCB-134	0.00074	R	0.039	0.0016	R	0.039	0.0024	R	0.039	0.00031	JCq	0.04	0.00155
PCB-135	0.0094	R	0.039	0.0065	R	0.039	0.014	R	0.039	0.0021	J C B	0.04	0.0105
PCB-136	0.0014	R	0.02	0.0017	R	0.02	0.004	R	0.02	0.0004	J q B	0.02	0.002
PCB-137	0.00094	R	0.02	0.001	R	0.02	0.0028	R	0.02	0.000363	Jq	0.02	0.001815
PCB-138	0.021	R	0.078	0.031	R	0.078	0.052	R	0.078	0.0037	J C129 B	0.08	0.0185
PCB-139	ND	R	0.039	0.00071	R	0.039	ND	R	0.039	0.00041	J q C	0.04	0.00205
PCB-14	ND	R	0.02	0.0011	R	0.02	ND	R	0.02		U	0.02	
PCB-140	ND	R	0.039	0.00071	R	0.039	ND	R	0.039	0.00041	J q C139	0.04	0.00205
PCB-141	0.0037	R	0.02	0.0034	R	0.02	0.009	R	0.02	0.0014	J	0.02	0.007
PCB-142	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-143	0.00074	R	0.039	0.0016	R	0.039	0.0024	R	0.039	0.00031	JC134q	0.04	0.00155
PCB-144	ND	R	0.02	0.00038	R	0.02	ND	R	0.02	0.000121	Jq	0.02	0.000605
PCB-145	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-146	0.0035	R	0.02	0.0053	R	0.02	0.0096	R	0.02	0.00044	J q	0.02	0.0022
PCB-147	0.018	R	0.039	0.019	R	0.039	0.032	R	0.039	0.0024	J C B	0.04	0.012
PCB-148	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-149	0.018	R	0.039	0.019	R	0.039	0.032	R	0.039	0.0024	J C147 B	0.04	0.012
PCB-15	0.02	R	0.02	0.017	R	0.02	0.036	R	0.02	0.0022	J q B	0.02	0.011
PCB-150	ND	R	0.02	0.00028	R	0.02	ND	R	0.02		U	0.02	
PCB-151	0.0094	R	0.039	0.0065	R	0.039	0.014	R	0.039	0.0021	J C135 B	0.04	0.0105
PCB-152	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-153	0.02	R	0.039	0.021	R	0.039	0.041	R	0.039	0.0033	J C B	0.04	0.0165
PCB-154	ND	R	0.02	ND	R	0.02	0.00093	R	0.02		U	0.02	
PCB-155	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-156	0.0026	R	0.039	0.0027	R	0.039	0.0056	R	0.039	0.000385	JCq	0.04	0.001925
PCB-157	0.0026	R	0.039	0.0027	R	0.039	0.0056	R	0.039	0.000385	JC156q	0.04	0.001925
PCB-158	0.0017	R	0.02	0.0025	R	0.02	0.0067	R	0.02	0.0003	J q	0.02	0.0015
PCB-159	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000152	Jq	0.02	0.00076
PCB-16	0.012	R	0.02	0.0097	R	0.02	0.029	R	0.02	0.0022	J B	0.02	0.011
PCB-160	0.021	R	0.078	0.031	R	0.078	0.052	R	0.078	0.0037	J C129 B	0.08	0.0185
PCB-161	0.00046	R	0.02	ND	R	0.02	ND	R	0.02	0.000254	Jq	0.02	0.00127
PCB-162	ND	R	0.02	ND	R	0.02	ND	R	0.02	7.68E-05	Jq	0.02	0.000384
PCB-163	0.021	R	0.078	0.031	R	0.078	0.052	R	0.078	0.0037	J C129 B	0.08	0.0185
PCB-164	0.0017	R	0.02	0.0027	R	0.02	0.0044	R	0.02	0.00054	J	0.02	0.0027
PCB-165	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-166	0.0037	R	0.039	0.0035	R	0.039	0.0065	R	0.039	0.000444	JC128q	0.04	0.00222
PCB-167	0.00069	R	0.02	0.00042	R	0.02	0.0014	R	0.02	0.000305	Jq	0.02	0.001525
PCB-168	0.02	R	0.039	0.021	R	0.039	0.041	R	0.039	0.0033	J C153 B	0.04	0.0165
PCB-169	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000215	J	0.02	0.001075
PCB-17	0.035	R	0.02	0.038	R	0.02	0.081	R	0.02	0.0025	J q B	0.02	0.0125
PCB-170	0.0027	R	0.02	0.0037	R	0.02	0.0083	R	0.02	0.0013	J q B	0.02	0.0065
PCB-171	ND	R	0.039	0.001	R	0.039	0.0018	R	0.039	0.0006	J q C	0.04	0.003
PCB-172	0.00047	R	0.02	0.0018	R	0.02	0.0022	R	0.02	3.35E-05	Jq	0.02	0.0001675
PCB-173	ND	R	0.039	0.001	R	0.039	0.0018	R	0.039	0.0006	J q C171	0.04	0.003
PCB-174	0.0041	R	0.02	0.0053	R	0.02	0.0097	R	0.02	0.00093	J q B	0.02	0.00465
PCB-175	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-176	0.0004	R	0.02	ND	R	0.02	0.00078	R	0.02	1.84E-05	Jq	0.02	0.000092
PCB-177	0.002	R	0.02	0.0028	R	0.02	0.0043	R	0.02	0.00069	J q	0.02	0.00345
PCB-178	0.00095	R	0.02	0.001	R	0.02	0.0021	R	0.02	0.000256	Jq	0.02	0.00128
PCB-179	0.0013	R	0.02	0.0015	R	0.02	0.0041	R	0.02	0.00037	J q	0.02	0.00185
PCB-18	0.028	R	0.039	0.033	R	0.039	0.086	R	0.039	0.0032	J C B	0.04	0.016
PCB-180	0.01	R	0.039	0.0089	R	0.039	0.017	R	0.039	0.0029	J q C B	0.04	0.0145
PCB-181	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.00072	J	0.02	0.0036
PCB-182	ND	R	0.02	ND	R	0.02	ND	R	0.02	4.65E-05	Jq	0.02	0.0002325
PCB-183	0.0038	R	0.039	0.0046	R	0.039	0.0083	R	0.039	0.0021	J q C B	0.04	0.0105
PCB-184	ND	R	0.02	ND	R	0.02	ND	R	0.02	4.74E-05	Jq	0.02	0.000237
PCB-185	0.0038	R	0.039	0.0046	R	0.039	0.0083	R	0.039	0.0021	J q C183 B	0.04	0.0105
PCB-186	ND	R	0.02	ND	R	0.02	ND	R	0.02	8.05E-05	Jq	0.02	0.0004025
PCB-187	0.0065	R	0.02	0.0045	R	0.02	0.011	R	0.02	0.0012	J q B	0.02	0.006
PCB-188	ND	R	0.02	ND	R	0.02	ND	R	0.02	6.68E-05	Jq	0.02	0.000334
PCB-189	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.00026	J	0.02	0.0013
PCB-19	0.0078	R	0.02	0.0056	R	0.02	0.014	R	0.02	0.0007	J q B	0.02	0.0035
PCB-190	0.00029	R	0.02	0.0014	R	0.02	0.0014	R	0.02	0.000116	Jq	0.02	0.00058
PCB-191	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000192	Jq	0.02	0.00096
PCB-192	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-193	0.01	R	0.039	0.0089	R	0.039	0.017	R	0.039	0.0029	J q C180 B	0.04	0.0145
PCB-194	0.0021	R	0.02	0.0019	R	0.02	0.0059	R	0.02	0.000177	Jq	0.02	0.000885
PCB-195	ND	R	0.02	0.0011	R	0.02	0.0021	R	0.02		U	0.02	
PCB-196	0.0017	R	0.02	0.0012	R	0.02	ND	R	0.02	0.000221	Jq	0.02	0.001105
PCB-197	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-198	0.0044	R	0.039	0.0034	R	0.039	0.01	R	0.039	0.00069	J q C	0.04	0.00345
PCB-199	0.0044	R	0.039	0.0034	R	0.039	0.01	R	0.039	0.00069	J q C198	0.04	0.00345
PCB-2	0.0016	R	0.02	0.0035	R	0.02	0.0042	R	0.02	0.00363	J	0.02	0.01815
PCB-20	0.065	R	0.039	0.068	R	0.039	0.1	R	0.039	0.0058	J C B	0.04	0.029
PCB-200	ND	R	0.02	ND	R	0.02	0.00053	R	0.02		U	0.02	
PCB-201	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000181	Jq	0.02	0.000905
PCB-202	0.0012	R	0.02	0.00063	R	0.02	0.0028	R	0.02		U	0.02	
PCB-203	0.0023	R	0.02	0.004	R	0.02	0.0034	R	0.02	0.000211	Jq	0.02	0.001055
PCB-204	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-205	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000107	Jq	0.02	0.000535

TABLE A-4
ANALYTICAL RESULTS
SDG: 140-29568
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	OU3-22-1103			OU3D-22-1103			OU4-22-1101			MB 140-69463/13-A			
Lab Sample ID	140-29568-10			140-29568-11			140-29568-12			Result [ng/L]	Qualifier	Quantitation Limit [ng/L]	Action Level [ng/L]
Sampling Date	11/03/2022 10:46:00			11/03/2022 10:46:00			11/01/2022 16:16:00						
Matrix	Water			Water			Water						
Dilution Factor	1			1			1						
Unit	ng/l			ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL	Result	Q	RL				
PCB-206	0.0077	R	0.02	0.0066	R	0.02	0.014	R	0.02		U	0.02	
PCB-207	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-208	0.0021	R	0.02	0.0031	R	0.02	0.0044	R	0.02		U	0.02	
PCB-209	0.0072	R	0.02	0.0073	R	0.02	0.0088	R	0.02	0.000257	Jq	0.02	0.001285
PCB-21	0.015	R	0.039	0.013	R	0.039	0.033	R	0.039	0.0064	J C B	0.04	0.032
PCB-22	0.0098	R	0.02	0.0098	R	0.02	0.017	R	0.02	0.002	J B	0.02	0.01
PCB-23	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000235	J	0.02	0.001175
PCB-24	ND	R	0.02	0.00086	R	0.02	0.00065	R	0.02	0.0003	J q	0.02	0.0015
PCB-25	0.0084	R	0.02	0.0087	R	0.02	0.016	R	0.02	0.0014	J q B	0.02	0.007
PCB-26	0.017	R	0.039	0.019	R	0.039	0.037	R	0.039	0.001	J q C B	0.04	0.005
PCB-27	0.0069	R	0.02	0.007	R	0.02	0.012	R	0.02	0.000227	Jq	0.02	0.001135
PCB-28	0.065	R	0.039	0.068	R	0.039	0.1	R	0.039	0.0058	J C20 B	0.04	0.029
PCB-29	0.017	R	0.039	0.019	R	0.039	0.037	R	0.039	0.001	J q C26 B	0.04	0.005
PCB-3	0.0014	R	0.02	0.0027	R	0.02	0.0032	R	0.02	0.00265	Jq	0.02	0.01325
PCB-30	0.028	R	0.039	0.033	R	0.039	0.086	R	0.039	0.0032	J C18 B	0.04	0.016
PCB-31	0.05	R	0.02	0.047	R	0.02	0.092	R	0.02	0.0033	J q B	0.02	0.0165
PCB-32	0.0092	R	0.02	0.0084	R	0.02	0.029	R	0.02	0.00097	J q B	0.02	0.00485
PCB-33	0.015	R	0.039	0.013	R	0.039	0.033	R	0.039	0.0064	J C21 B	0.04	0.032
PCB-34	0.00071	R	0.02	ND	R	0.02	0.0012	R	0.02		U	0.02	
PCB-35	0.00086	R	0.02	0.00075	R	0.02	0.0013	R	0.02	0.00095	J q B	0.02	0.00475
PCB-36	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000161	Jq	0.02	0.000805
PCB-37	0.017	R	0.02	0.015	R	0.02	0.034	R	0.02	0.0019	J q B	0.02	0.0095
PCB-38	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000145	J	0.02	0.000725
PCB-39	ND	R	0.02	ND	R	0.02	0.0012	R	0.02	0.000254	Jq	0.02	0.00127
PCB-4	0.026	R	0.029	0.028	R	0.029	0.042	R	0.029	0.00131	J	0.03	0.00655
PCB-40	0.034	R	0.059	0.033	R	0.059	0.068	R	0.059	0.0041	J C B	0.06	0.0205
PCB-41	0.034	R	0.059	0.033	R	0.059	0.068	R	0.059	0.0041	J C40 B	0.06	0.0205
PCB-42	0.016	R	0.02	0.013	R	0.02	0.031	R	0.02	0.000762	J	0.02	0.00381
PCB-43	0.0024	R	0.039	0.0012	R	0.039	0.0054	R	0.039	0.000141	JCq	0.04	0.000705
PCB-44	0.13	R	0.059	0.064	R	0.059	0.51	R	0.059	0.17	C B	0.06	0.85
PCB-45	0.02	R	0.039	0.011	R	0.039	0.093	R	0.039	0.11	C B	0.04	0.55
PCB-46	0.0056	R	0.02	0.0043	R	0.02	0.0095	R	0.02	0.000278	Jq	0.02	0.00139
PCB-47	0.13	R	0.059	0.064	R	0.059	0.51	R	0.059	0.17	C44 B	0.06	0.85
PCB-48	0.011	R	0.02	0.0088	R	0.02	0.021	R	0.02	0.000384	J	0.02	0.00192
PCB-49	0.042	R	0.039	0.044	R	0.039	0.092	R	0.039	0.00158	JCq	0.04	0.0079
PCB-5	ND	R	0.02	0.00095	R	0.02	ND	R	0.02	0.000377	Jq	0.02	0.001885
PCB-50	0.015	R	0.039	0.013	R	0.039	0.026	R	0.039		UC	0.04	
PCB-51	0.02	R	0.039	0.011	R	0.039	0.093	R	0.039	0.11	C45 B	0.04	0.55
PCB-52	0.059	R	0.02	0.056	R	0.02	0.12	R	0.02	0.0038	J B	0.02	0.019
PCB-53	0.015	R	0.039	0.013	R	0.039	0.026	R	0.039		UC50	0.04	
PCB-54	ND	R	0.02	0.00027	R	0.02	ND	R	0.02		U	0.02	
PCB-55	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000158	Jq	0.02	0.00079
PCB-56	0.016	R	0.02	0.015	R	0.02	0.027	R	0.02	0.000386	Jq	0.02	0.00193
PCB-57	0.00048	R	0.02	0.00021	R	0.02	ND	R	0.02	0.000177	Jq	0.02	0.000885
PCB-58	ND	R	0.02	ND	R	0.02	0.00079	R	0.02		U	0.02	
PCB-59	0.0072	R	0.059	0.006	R	0.059	0.016	R	0.059	0.000884	JC	0.06	0.00442
PCB-6	0.0041	R	0.02	0.0054	R	0.02	0.014	R	0.02	0.002	J	0.02	0.01
PCB-60	0.0052	R	0.02	0.0056	R	0.02	0.009	R	0.02	0.000409	Jq	0.02	0.002045
PCB-61	0.064	R	0.078	0.061	R	0.078	0.12	R	0.078	0.0068	J C B	0.08	0.034
PCB-62	0.0072	R	0.059	0.006	R	0.059	0.016	R	0.059	0.000884	JC59	0.06	0.00442
PCB-63	0.0023	R	0.02	0.003	R	0.02	0.0058	R	0.02	0.001	J q	0.02	0.005
PCB-64	0.023	R	0.02	0.021	R	0.02	0.043	R	0.02	0.0048	J q B	0.02	0.024
PCB-65	0.13	R	0.059	0.064	R	0.059	0.51	R	0.059	0.17	C44 B	0.06	0.85
PCB-66	0.038	R	0.02	0.038	R	0.02	0.07	R	0.02	0.003	J q B	0.02	0.015
PCB-67	0.0014	R	0.02	0.0015	R	0.02	0.0024	R	0.02		U	0.02	
PCB-68	0.012	R	0.02	0.002	R	0.02	0.054	R	0.02	0.054	B	0.02	0.27
PCB-69	0.042	R	0.039	0.044	R	0.039	0.092	R	0.039	0.0055	J C49 B	0.04	0.0275
PCB-7	ND	R	0.02	0.00099	R	0.02	ND	R	0.02	0.0048	J	0.02	0.024
PCB-70	0.064	R	0.078	0.061	R	0.078	0.12	R	0.078	0.0068	J C61 B	0.08	0.034
PCB-71	0.034	R	0.059	0.033	R	0.059	0.068	R	0.059	0.0041	J C40 B	0.06	0.0205
PCB-72	0.001	R	0.02	0.0007	R	0.02	0.0016	R	0.02	0.000209	Jq	0.02	0.001045
PCB-73	0.0024	R	0.039	0.0012	R	0.039	0.0054	R	0.039	0.000141	JC43q	0.04	0.000705
PCB-74	0.064	R	0.078	0.061	R	0.078	0.12	R	0.078	0.0068	J C61 B	0.08	0.034
PCB-75	0.0072	R	0.059	0.006	R	0.059	0.016	R	0.059	0.000884	JC59	0.06	0.00442
PCB-76	0.064	R	0.078	0.061	R	0.078	0.12	R	0.078	0.0068	J C61 B	0.08	0.034
PCB-77	0.0048	R	0.02	0.0052	R	0.02	0.0095	R	0.02	0.0022	J	0.02	0.011
PCB-78	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-79	0.00043	R	0.02	0.00017	R	0.02	ND	R	0.02	0.00016	J	0.02	0.0008
PCB-8	0.013	R	0.029	0.013	R	0.029	0.036	R	0.029	0.0031	J q B	0.03	0.0155
PCB-80	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.00024	J	0.02	0.0012
PCB-81	ND	R	0.02	0.00037	R	0.02	0.00068	R	0.02	0.000267	Jq	0.02	0.001335
PCB-82	0.0019	R	0.02	0.0016	R	0.02	0.0043	R	0.02		U	0.02	
PCB-83	0.017	R	0.039	0.022	R	0.039	0.033	R	0.039	0.0015	J q C B	0.04	0.0075
PCB-84	0.008	R	0.02	0.0091	R	0.02	0.014	R	0.02	0.0025	J	0.02	0.0125
PCB-85	0.0049	R	0.059	0.0054	R	0.059	0.0089	R	0.059	0.0019	J C	0.06	0.0095
PCB-86	0.02	R	0.12	0.019	R	0.12	0.027	R	0.12	0.0051	J q C B	0.12	0.0255
PCB-87	0.02	R	0.12	0.019	R	0.12	0.027	R	0.12	0.0051	J q C86 B	0.12	0.0255
PCB-88	0.0069	R	0.039	0.005	R	0.039	0.0087	R	0.039	0.0012	J q C	0.04	0.006
PCB-89	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-9	ND	R	0.02	0.0011	R	0.02	0.0021	R	0.02	0.000536	Jq	0.02	0.00268
PCB-90	0.032	R	0.059	0.026	R	0.059	0.049	R	0.059	0.0043	J C B	0.06	0.0215
PCB-91	0.0069	R	0.039	0.005	R	0.039	0.0087	R	0.039	0.0012	J q C88	0.04	0.006
PCB-92	0.0069	R	0.02	0.011	R	0.02	0.012	R	0.02	0.000353	Jq	0.02	0.001765
PCB-93	ND	R	0.039	ND	R	0.039	0.001	R	0.039	0.000471	JCq	0.04	0.002355
PCB-94	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-95	0.021	R	0.02	0.025	R	0.02	0.046	R	0.02	0.0042	J B	0.02	0.021
PCB-96	ND	R	0.02	ND	R	0.02	0.00077	R	0.02		U	0.02	
PCB-97	0.02	R	0.12	0.019	R	0.12	0.027	R	0.12	0.0051	J q C86 B	0.12	0.0255
PCB-98	0.0014	R	0.039	0.0025	R	0.039	0.0031	R	0.039		UC	0.04	
PCB-99	0.017	R	0.039	0.022	R	0.039	0.033	R	0.039	0.0015	J q C83 B	0.04	0.0075

NOTES:

B : Compound was found in the blank and sample.
C : The compound co-eluted with other compounds
C108 : The compound co-eluted with PCB-108
C110 : The compound co-eluted with PCB-110
C12 : The compound co-eluted with PCB-12
C128 : The compound co-eluted with PCB-128
C129 : The compound co-eluted with PCB-129
C134 : The compound co-eluted with PCB-134
C135 : The compound co-eluted with PCB-135
C139 : The compound co-eluted with PCB-139
C147 : The compound co-eluted with PCB-147
C153 : The compound co-eluted with PCB-153
C156 : The compound co-eluted with PCB-156
C171 : The compound co-eluted with PCB-171
C18 : The compound co-eluted with PCB-18
C180 : The compound co-eluted with PCB-180
C183 : The compound co-eluted with PCB-183
C198 : The compound co-eluted with PCB-198
C20 : The compound co-eluted with PCB-20
C21 : The compound co-eluted with PCB-21
C26 : The compound co-eluted with PCB-26
C40 : The compound co-eluted with PCB-40
C43 : The compound co-eluted with PCB-43
C44 : The compound co-eluted with PCB-44
C45 : The compound co-eluted with PCB-45
C49 : The compound co-eluted with PCB-49
C50 : The compound co-eluted with PCB-50
C59 : The compound co-eluted with PCB-59
C61 : The compound co-eluted with PCB-61
C83 : The compound co-eluted with PCB-83
C85 : The compound co-eluted with PCB-85
C86 : The compound co-eluted with PCB-86
C88 : The compound co-eluted with PCB-88
C90 : The compound co-eluted with PCB-90
C93 : The compound co-eluted with PCB-93
C98 : The compound co-eluted with PCB-98

Sample concentration is less than 5 times the blank Action Level.
Blank Result is reported from Rinsate Blank
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

q : The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

U : Indicates the analyte was analyzed for but not detected.

TABLE A-5
ANALYTICAL RESULTS
SDG: 140-29153
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	OU5C-22-1101			OU5B-22-1101			OU5A-22-1101			MB 140-69463/13-A			
Lab Sample ID	140-29568-3			140-29568-4			140-29568-5			Result [ng/L]	Qualifier	Quantitation Limit [ng/L]	Action Level [ng/L]
Sampling Date	11/01/2022 11:54:00			11/01/2022 13:53:00			11/01/2022 15:20:00						
Matrix	Water			Water			Water						
Dilution Factor	1			1			1						
Unit	ng/l			ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL							
PCB-1	0.018	R	0.02	0.005	R	0.02	0.048	R	0.02	0.00203	J	0.02	0.01015
PCB-10	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-100	ND	R	0.039	ND	R	0.039	0.0013	R	0.039	0.000471	JC93q	0.04	0.002355
PCB-101	0.0045	R	0.059	0.016	R	0.059	0.05	R	0.059	0.0043	J C90 B	0.06	0.0215
PCB-102	ND	R	0.039	ND	R	0.039	0.0028	R	0.039		UC98	0.04	
PCB-103	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-104	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000233	Jq	0.02	0.001165
PCB-105	0.0011	R	0.02	0.0069	R	0.02	0.023	R	0.02	0.0015	J q B	0.02	0.0075
PCB-106	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-107	ND	R	0.02	0.0016	R	0.02	0.0052	R	0.02	0.000247	Jq	0.02	0.001235
PCB-108	ND	R	0.039	ND	R	0.039	ND	R	0.039	0.000323	JC	0.04	0.001615
PCB-109	0.0071	R	0.12	0.01	R	0.12	0.03	R	0.12	0.0051	J q C86 B	0.12	0.0255
PCB-11	0.028	R	0.029	0.059	R	0.029	0.14	R	0.029	0.035	J B	0.03	0.175
PCB-110	0.0039	R	0.039	0.015	R	0.039	0.056	R	0.039	0.0036	J C B	0.04	0.018
PCB-111	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-112	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000292	J	0.02	0.00146
PCB-113	0.0045	R	0.059	0.016	R	0.059	0.05	R	0.059	0.0043	J C90 B	0.06	0.0215
PCB-114	ND	R	0.02	ND	R	0.02	0.0017	R	0.02		U	0.02	
PCB-115	0.0039	R	0.039	0.015	R	0.039	0.056	R	0.039	0.0036	J C110 B	0.04	0.018
PCB-116	0.0012	R	0.059	0.0025	R	0.059	0.014	R	0.059	0.0019	J C85	0.06	0.0095
PCB-117	0.0012	R	0.059	0.0025	R	0.059	0.014	R	0.059	0.0019	J C85	0.06	0.0095
PCB-118	0.0043	R	0.02	0.012	R	0.02	0.049	R	0.02	0.0053	J B	0.02	0.0265
PCB-119	0.0071	R	0.12	0.01	R	0.12	0.03	R	0.12	0.0051	J q C86 B	0.12	0.0255
PCB-12	0.0063	R	0.039	0.0047	R	0.039	0.015	R	0.039	0.00155	JC	0.04	0.00775
PCB-120	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000149	J	0.02	0.000745
PCB-121	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-122	ND	R	0.02	ND	R	0.02	0.0014	R	0.02		U	0.02	
PCB-123	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-124	ND	R	0.039	ND	R	0.039	ND	R	0.039	0.000323	JC108	0.04	0.001615
PCB-125	0.0071	R	0.12	0.01	R	0.12	0.03	R	0.12	0.0051	J q C86 B	0.12	0.0255
PCB-126	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000202	Jq	0.02	0.00101
PCB-127	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-128	0.00037	R	0.039	0.0019	R	0.039	0.0046	R	0.039	0.000444	JCq	0.04	0.00222
PCB-129	0.0022	R	0.078	0.0086	R	0.078	0.029	R	0.078	0.0037	J C B	0.08	0.0185
PCB-13	0.0063	R	0.039	0.0047	R	0.039	0.015	R	0.039	0.00155	JC12	0.04	0.00775
PCB-130	ND	R	0.02	0.00065	R	0.02	0.0013	R	0.02	0.00021	Jq	0.02	0.00105
PCB-131	0.000069	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-132	0.00096	R	0.02	0.0031	R	0.02	0.0097	R	0.02	0.0018	J q	0.02	0.009
PCB-133	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-134	ND	R	0.039	ND	R	0.039	0.0021	R	0.039	0.00031	JCq	0.04	0.00155
PCB-135	0.00054	R	0.039	0.0031	R	0.039	0.0076	R	0.039	0.0021	J C B	0.04	0.0105
PCB-136	ND	R	0.02	0.00092	R	0.02	0.0017	R	0.02	0.0004	J q B	0.02	0.002
PCB-137	0.00035	R	0.02	ND	R	0.02	0.00099	R	0.02	0.000363	Jq	0.02	0.001815
PCB-138	0.0022	R	0.078	0.0086	R	0.078	0.029	R	0.078	0.0037	J C129 B	0.08	0.0185
PCB-139	ND	R	0.039	ND	R	0.039	ND	R	0.039	0.00041	J q C	0.04	0.00205
PCB-14	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-140	ND	R	0.039	ND	R	0.039	ND	R	0.039	0.00041	J q C139	0.04	0.00205
PCB-141	0.00055	R	0.02	0.00023	R	0.02	0.0037	R	0.02	0.0014	J	0.02	0.007
PCB-142	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-143	ND	R	0.039	ND	R	0.039	0.0021	R	0.039	0.00031	JC134q	0.04	0.00155
PCB-144	ND	R	0.02	0.00057	R	0.02	ND	R	0.02	0.000121	Jq	0.02	0.000605
PCB-145	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-146	0.00042	R	0.02	0.001	R	0.02	0.006	R	0.02	0.00044	J q	0.02	0.0022
PCB-147	0.002	R	0.039	0.0068	R	0.039	0.021	R	0.039	0.0024	J C B	0.04	0.012
PCB-148	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-149	0.002	R	0.039	0.0068	R	0.039	0.021	R	0.039	0.0024	J C147 B	0.04	0.012
PCB-15	0.0036	R	0.02	0.012	R	0.02	0.041	R	0.02	0.0022	J q B	0.02	0.011
PCB-150	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-151	0.00054	R	0.039	0.0031	R	0.039	0.0076	R	0.039	0.0021	J C135 B	0.04	0.0105
PCB-152	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-153	0.0031	R	0.039	0.0081	R	0.039	0.026	R	0.039	0.0033	J C B	0.04	0.0165
PCB-154	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-155	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-156	0.00025	R	0.039	0.0009	R	0.039	0.0018	R	0.039	0.000385	JCq	0.04	0.001925
PCB-157	0.00025	R	0.039	0.0009	R	0.039	0.0018	R	0.039	0.000385	JC156q	0.04	0.001925
PCB-158	ND	R	0.02	0.00054	R	0.02	0.0005	R	0.02	0.0003	J q	0.02	0.0015
PCB-159	ND	R	0.02	ND	R	0.02	0.00034	R	0.02	0.000152	Jq	0.02	0.00076
PCB-16	ND	R	0.02	0.006	R	0.02	0.047	R	0.02	0.0022	J B	0.02	0.011
PCB-160	0.0022	R	0.078	0.0086	R	0.078	0.029	R	0.078	0.0037	J C129 B	0.08	0.0185
PCB-161	0.00006	R	0.02	ND	R	0.02	ND	R	0.02	0.000254	Jq	0.02	0.00127
PCB-162	ND	R	0.02	0.00015	R	0.02	ND	R	0.02	7.68E-05	Jq	0.02	0.000384
PCB-163	0.0022	R	0.078	0.0086	R	0.078	0.029	R	0.078	0.0037	J C129 B	0.08	0.0185
PCB-164	ND	R	0.02	0.00048	R	0.02	0.0013	R	0.02	0.00054	J	0.02	0.0027
PCB-165	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-166	0.00037	R	0.039	0.0019	R	0.039	0.0046	R	0.039	0.000444	JC128q	0.04	0.00222
PCB-167	ND	R	0.02	0.00031	R	0.02	0.00065	R	0.02	0.000305	Jq	0.02	0.001525
PCB-168	0.0031	R	0.039	0.0081	R	0.039	0.026	R	0.039	0.0033	J C153 B	0.04	0.0165
PCB-169	ND	R	0.02	0.00027	R	0.02	ND	R	0.02	0.000215	J	0.02	0.001075
PCB-17	0.005	R	0.02	0.0075	R	0.02	0.23	R	0.02	0.0025	J q B	0.02	0.0125
PCB-170	0.001	R	0.02	0.0021	R	0.02	0.0045	R	0.02	0.0013	J q B	0.02	0.0065
PCB-171	0.00011	R	0.039	0.000047	R	0.039	0.001	R	0.039	0.0006	J q C	0.04	0.003
PCB-172	0.00017	R	0.02	0.00097	R	0.02	0.00046	R	0.02	3.35E-05	Jq	0.02	0.0001675
PCB-173	0.00011	R	0.039	0.000047	R	0.039	0.001	R	0.039	0.0006	J q C171	0.04	0.003
PCB-174	0.000093	R	0.02	0.0016	R	0.02	0.0058	R	0.02	0.00093	J q B	0.02	0.00465
PCB-175	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-176	ND	R	0.02	ND	R	0.02	ND	R	0.02	1.84E-05	Jq	0.02	0.000092
PCB-177	0.00013	R	0.02	0.00031	R	0.02	0.0035	R	0.02	0.00069	J q	0.02	0.00345
PCB-178	ND	R	0.02	0.00052	R	0.02	0.0014	R	0.02	0.000256	Jq	0.02	0.00128
PCB-179	0.00016	R	0.02	0.000094	R	0.02	0.0014	R	0.02	0.00037	J q	0.02	0.00185
PCB-18	0.0065	R	0.039	0.012	R	0.039	0.26	R	0.039	0.0032	J C B	0.04	0.016
PCB-180	0.0019	R	0.039	0.0037	R	0.039	0.011	R	0.039	0.0029	J q C B	0.04	0.0145
PCB-181	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.00072	J	0.02	0.0036
PCB-182	ND	R	0.02	ND	R	0.02	ND	R	0.02	4.65E-05	Jq	0.02	0.0002325
PCB-183	0.0012	R	0.039	0.0031	R	0.039	0.0043	R	0.039	0.0021	J q C B	0.04	0.0105
PCB-184	ND	R	0.02	ND	R	0.02	ND	R	0.02	4.74E-05	Jq	0.02	0.000237
PCB-185	0.0012	R	0.039	0.0031	R	0.039	0.0043	R	0.039	0.0021	J q C183 B	0.04	0.0105
PCB-186	ND	R	0.02	ND	R	0.02	ND	R	0.02	8.05E-05	Jq	0.02	0.0004025
PCB-187	0.00046	R	0.02	0.0031	R	0.02	0.01	R	0.02	0.0012	J q B	0.02	0.006
PCB-188	ND	R	0.02	ND	R	0.02	ND	R	0.02	6.68E-05	Jq	0.02	0.000334
PCB-189	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.00026	J	0.02	0.0013
PCB-19	ND	R	0.02	0.0017	R	0.02	ND	R	0.02	0.0007	J q B	0.02	0.0035
PCB-190	ND	R	0.02	ND	R	0.02	0.0008	R	0.02	0.000116	Jq	0.02	0.00058
PCB-191	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000192	Jq	0.02	0.00096
PCB-192	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-193	0.0019	R	0.039	0.0037	R	0.039	0.011	R	0.039	0.0029	J q C180 B	0.04	0.0145
PCB-194	0.0004	R	0.02	0.00056	R	0.02	0.0054	R	0.02	0.000177	Jq	0.02	0.000885
PCB-195	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-196	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000221	Jq	0.02	0.001105
PCB-197	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-198	0.00057	R	0.039	0.0014	R	0.039	0.0046	R	0.039	0.00069	J q C	0.04	0.00345
PCB-199	0.00057	R	0.039	0.0014	R	0.039	0.0046	R	0.039	0.00069	J q C198	0.04	0.00345
PCB-2	0.026	R	0.02	0.01	R	0.02	0.043	R	0.02	0.00363	J	0.02	0.01815
PCB-20	0.011	R	0.039	0.051	R	0.039	0.22	R	0.039	0.0058	J C B	0.04	0.029
PCB-200	ND	R	0.02	ND	R	0.02	0.0012	R	0.02		U	0.02	
PCB-201	ND	R	0.02	0.00013	R	0.02	0.00055	R	0.02	0.000181	Jq	0.02	0.000905
PCB-202	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-203	ND	R	0.02	0.00045	R	0.02	ND	R	0.02	0.000211	Jq	0.02	0.001055
PCB-204	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-205	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000107	Jq	0.02	0.000535

TABLE A-5
ANALYTICAL RESULTS
SDG: 140-29153
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	OU5C-22-1101			OU5B-22-1101			OU5A-22-1101			MB 140-69463/13-A			
Lab Sample ID	140-29568-3			140-29568-4			140-29568-5			Result [ng/L]	Qualifier	Quantitation Limit [ng/L]	Action Level [ng/L]
Sampling Date	11/01/2022 11:54:00			11/01/2022 13:53:00			11/01/2022 15:20:00						
Matrix	Water			Water			Water						
Dilution Factor	1			1			1						
Unit	ng/l			ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL							
PCB-206	ND	R	0.02	0.0013	R	0.02	0.0062	R	0.02		U	0.02	
PCB-207	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-208	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-209	ND	R	0.02	0.00062	R	0.02	0.0039	R	0.02	0.000257	Jq	0.02	0.001285
PCB-21	0.0031	R	0.039	0.013	R	0.039	0.051	R	0.039	0.0064	J C B	0.04	0.032
PCB-22	0.0016	R	0.02	0.011	R	0.02	0.04	R	0.02	0.002	J B	0.02	0.01
PCB-23	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000235	J	0.02	0.001175
PCB-24	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.0003	J q	0.02	0.0015
PCB-25	0.0011	R	0.02	0.0036	R	0.02	0.02	R	0.02	0.0014	J q B	0.02	0.007
PCB-26	0.0019	R	0.039	0.007	R	0.039	0.036	R	0.039	0.001	J q C B	0.04	0.005
PCB-27	ND	R	0.02	0.002	R	0.02	0.043	R	0.02	0.000227	Jq	0.02	0.001135
PCB-28	0.011	R	0.039	0.051	R	0.039	0.22	R	0.039	0.0058	J C20 B	0.04	0.029
PCB-29	0.0019	R	0.039	0.007	R	0.039	0.036	R	0.039	0.001	J q C26 B	0.04	0.005
PCB-3	0.01	R	0.02	0.0045	R	0.02	0.017	R	0.02	0.00265	Jq	0.02	0.01325
PCB-30	0.0065	R	0.039	0.012	R	0.039	0.26	R	0.039	0.0032	J C18 B	0.04	0.016
PCB-31	0.0049	R	0.02	0.023	R	0.02	0.11	R	0.02	0.0033	J q B	0.02	0.0165
PCB-32	0.0017	R	0.02	0.0042	R	0.02	0.058	R	0.02	0.00097	J q B	0.02	0.00485
PCB-33	0.0031	R	0.039	0.013	R	0.039	0.051	R	0.039	0.0064	J C21 B	0.04	0.032
PCB-34	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-35	0.0011	R	0.02	0.0011	R	0.02	0.0028	R	0.02	0.00095	J q B	0.02	0.00475
PCB-36	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000161	Jq	0.02	0.000805
PCB-37	0.0042	R	0.02	0.019	R	0.02	0.075	R	0.02	0.0019	J q B	0.02	0.0095
PCB-38	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000145	J	0.02	0.000725
PCB-39	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000254	Jq	0.02	0.00127
PCB-4	ND	R	0.029	ND	R	0.029	ND	R	0.029	0.00131	J	0.03	0.00655
PCB-40	0.0022	R	0.059	0.013	R	0.059	0.052	R	0.059	0.0041	J C B	0.06	0.0205
PCB-41	0.0022	R	0.059	0.013	R	0.059	0.052	R	0.059	0.0041	J C40 B	0.06	0.0205
PCB-42	0.00086	R	0.02	0.0074	R	0.02	0.044	R	0.02	0.000762	J	0.02	0.00381
PCB-43	ND	R	0.039	0.00051	R	0.039	0.0058	R	0.039	0.000141	JCq	0.04	0.000705
PCB-44	0.084	R	0.059	0.13	R	0.059	0.16	R	0.059	0.17	C B	0.06	0.85
PCB-45	0.012	R	0.039	0.013	R	0.039	0.013	R	0.039	0.11	C B	0.04	0.55
PCB-46	ND	R	0.02	0.00068	R	0.02	0.0025	R	0.02	0.000278	Jq	0.02	0.00139
PCB-47	0.084	R	0.059	0.13	R	0.059	0.16	R	0.059	0.17	C44 B	0.06	0.85
PCB-48	0.001	R	0.02	0.006	R	0.02	0.03	R	0.02	0.000384	J	0.02	0.00192
PCB-49	0.0035	R	0.039	0.014	R	0.039	0.079	R	0.039	0.00158	JCq	0.04	0.0079
PCB-5	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000377	Jq	0.02	0.001885
PCB-50	0.00059	R	0.039	0.0028	R	0.039	0.011	R	0.039		UC	0.04	
PCB-51	0.012	R	0.039	0.013	R	0.039	0.013	R	0.039	0.11	C45 B	0.04	0.55
PCB-52	0.0052	R	0.02	0.023	R	0.02	0.12	R	0.02	0.0038	J B	0.02	0.019
PCB-53	0.00059	R	0.039	0.0028	R	0.039	0.011	R	0.039		UC50	0.04	
PCB-54	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-55	ND	R	0.02	0.00095	R	0.02	0.0014	R	0.02	0.000158	Jq	0.02	0.00079
PCB-56	0.004	R	0.02	0.018	R	0.02	0.07	R	0.02	0.000386	Jq	0.02	0.00193
PCB-57	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000177	Jq	0.02	0.000885
PCB-58	0.00013	R	0.02	0.00034	R	0.02	ND	R	0.02		U	0.02	
PCB-59	0.00099	R	0.059	0.0051	R	0.059	0.019	R	0.059	0.000884	JC	0.06	0.00442
PCB-6	0.0035	R	0.02	0.0037	R	0.02	0.015	R	0.02	0.002	J	0.02	0.01
PCB-60	0.0015	R	0.02	0.0076	R	0.02	0.024	R	0.02	0.000409	Jq	0.02	0.002045
PCB-61	0.012	R	0.078	0.053	R	0.078	0.21	R	0.078	0.0068	J C B	0.08	0.034
PCB-62	0.00099	R	0.059	0.0051	R	0.059	0.019	R	0.059	0.000884	JC59	0.06	0.00442
PCB-63	0.00055	R	0.02	0.0024	R	0.02	0.0068	R	0.02	0.001	J q	0.02	0.005
PCB-64	0.0036	R	0.02	0.016	R	0.02	0.073	R	0.02	0.0048	J q B	0.02	0.024
PCB-65	0.084	R	0.059	0.13	R	0.059	0.16	R	0.059	0.17	C44 B	0.06	0.85
PCB-66	0.0073	R	0.02	0.038	R	0.02	0.16	R	0.02	0.003	J q B	0.02	0.015
PCB-67	0.00016	R	0.02	0.0014	R	0.02	0.0051	R	0.02		U	0.02	
PCB-68	0.026	R	0.02	0.028	R	0.02	0.0017	R	0.02	0.054	B	0.02	0.27
PCB-69	0.0035	R	0.039	0.014	R	0.039	0.079	R	0.039	0.0055	J C49 B	0.04	0.0275
PCB-7	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.0048	J	0.02	0.024
PCB-70	0.012	R	0.078	0.053	R	0.078	0.21	R	0.078	0.0068	J C61 B	0.08	0.034
PCB-71	0.0022	R	0.059	0.013	R	0.059	0.052	R	0.059	0.0041	J C40 B	0.06	0.0205
PCB-72	ND	R	0.02	0.00045	R	0.02	0.0016	R	0.02	0.000209	Jq	0.02	0.001045
PCB-73	ND	R	0.039	0.00051	R	0.039	0.0058	R	0.039	0.000141	JC43q	0.04	0.000705
PCB-74	0.012	R	0.078	0.053	R	0.078	0.21	R	0.078	0.0068	J C61 B	0.08	0.034
PCB-75	0.00099	R	0.059	0.0051	R	0.059	0.019	R	0.059	0.000884	JC59	0.06	0.00442
PCB-76	0.012	R	0.078	0.053	R	0.078	0.21	R	0.078	0.0068	J C61 B	0.08	0.034
PCB-77	0.0015	R	0.02	0.0059	R	0.02	0.02	R	0.02	0.0022	J	0.02	0.011
PCB-78	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-79	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.00016	J	0.02	0.0008
PCB-8	0.0047	R	0.029	0.011	R	0.029	0.052	R	0.029	0.0031	J q B	0.03	0.0155
PCB-80	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.00024	J	0.02	0.0012
PCB-81	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000267	Jq	0.02	0.001335
PCB-82	ND	R	0.02	0.0025	R	0.02	0.0041	R	0.02		U	0.02	
PCB-83	0.0026	R	0.039	0.0088	R	0.039	0.034	R	0.039	0.0015	J q C B	0.04	0.0075
PCB-84	ND	R	0.02	0.0029	R	0.02	0.012	R	0.02	0.0025	J	0.02	0.0125
PCB-85	0.0012	R	0.059	0.0025	R	0.059	0.014	R	0.059	0.0019	J C	0.06	0.0095
PCB-86	0.0071	R	0.12	0.01	R	0.12	0.03	R	0.12	0.0051	J q C B	0.12	0.0255
PCB-87	0.0071	R	0.12	0.01	R	0.12	0.03	R	0.12	0.0051	J q C86 B	0.12	0.0255
PCB-88	ND	R	0.039	0.0021	R	0.039	0.01	R	0.039	0.0012	J q C	0.04	0.006
PCB-89	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-9	ND	R	0.02	ND	R	0.02	ND	R	0.02	0.000536	Jq	0.02	0.00268
PCB-90	0.0045	R	0.059	0.016	R	0.059	0.05	R	0.059	0.0043	J C B	0.06	0.0215
PCB-91	ND	R	0.039	0.0021	R	0.039	0.01	R	0.039	0.0012	J q C88	0.04	0.006
PCB-92	ND	R	0.02	0.0035	R	0.02	0.016	R	0.02	0.000353	Jq	0.02	0.001765
PCB-93	ND	R	0.039	ND	R	0.039	0.0013	R	0.039	0.000471	JCq	0.04	0.002355
PCB-94	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-95	0.0035	R	0.02	0.01	R	0.02	0.038	R	0.02	0.0042	J B	0.02	0.021
PCB-96	ND	R	0.02	ND	R	0.02	ND	R	0.02		U	0.02	
PCB-97	0.0071	R	0.12	0.01	R	0.12	0.03	R	0.12	0.0051	J q C86 B	0.12	0.0255
PCB-98	ND	R	0.039	ND	R	0.039	0.0028	R	0.039		UC	0.04	
PCB-99	0.0026	R	0.039	0.0088	R	0.039	0.034	R	0.039	0.0015	J q C83 B	0.04	0.0075

NOTES:

B : Compound was found in the blank and sample.

C : The compound co-eluted with other compounds
C108 : The compound co-eluted with PCB-108
C110 : The compound co-eluted with PCB-110
C12 : The compound co-eluted with PCB-12
C128 : The compound co-eluted with PCB-128
C129 : The compound co-eluted with PCB-129
C134 : The compound co-eluted with PCB-134
C135 : The compound co-eluted with PCB-135
C139 : The compound co-eluted with PCB-139
C147 : The compound co-eluted with PCB-147
C153 : The compound co-eluted with PCB-153
C156 : The compound co-eluted with PCB-156
C171 : The compound co-eluted with PCB-171
C18 : The compound co-eluted with PCB-18
C180 : The compound co-eluted with PCB-180
C183 : The compound co-eluted with PCB-183
C198 : The compound co-eluted with PCB-198
C20 : The compound co-eluted with PCB-20
C21 : The compound co-eluted with PCB-21
C26 : The compound co-eluted with PCB-26
C40 : The compound co-eluted with PCB-40
C43 : The compound co-eluted with PCB-43
C44 : The compound co-eluted with PCB-44
C45 : The compound co-eluted with PCB-45
C49 : The compound co-eluted with PCB-49
C50 : The compound co-eluted with PCB-50
C59 : The compound co-eluted with PCB-59
C61 : The compound co-eluted with PCB-61
C83 : The compound co-eluted with PCB-83
C85 : The compound co-eluted with PCB-85
C86 : The compound co-eluted with PCB-86
C88 : The compound co-eluted with PCB-88
C90 : The compound co-eluted with PCB-90
C93 : The compound co-eluted with PCB-93
C98 : The compound co-eluted with PCB-98

Sample concentration is less than 5 times the blank Action Level.
Blank Result is reported from Rinsate Blank
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

q : The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

U : Indicates the analyte was analyzed for but not detected.

Attachment 2

Reanalysis Data Validation Report

LOWER FOX RIVER REMEDIATION

Data Validation - November 2022

Lower Fox River and Green Bay Site

BROWN, OUTAGAMIE, AND WINNEBAGO COUNTIES, WISCONSIN

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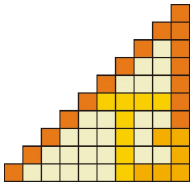

Applied Testing & Geosciences, LLC.
401 East Fourth Street
Building 12B
Bridgeport, PA 19405
September 2023

TABLE OF CONTENTS

LIST OF TABLES

ATTACHMENTS

1.0 INTRODUCTION

Analytical results for samples from Lake Winnebago, OU1, OU2, OU3, OU4, and OU5 and their associated laboratory quality control (QC) samples collected on November 1 through November 3, 2022 have been evaluated using the methodologies and practices of Environmental Protection Agency (EPA) guidance documents:

- "National Functional Guidelines for Organic Data Review", dated October 1999, EPA-540/R-99/008;
- "National Functional Guidelines for Organic Superfund Methods Data Review", dated January 2017, EPA-540/R-2017/002;
- EPA Region III Interim Guidelines for the Validation of Data Generated Using Method 1668 PCB Congener Data, dated April 2004, Revision 0.

The Quality Assurance Project Plan titled “Final Quality Assurance Project Plan for Remedial Action of Operable Units 2, 3 ,4 and 5 Lower Fox River and Green Bay Site Brown, Outagamie and Winnebago Counties, Wisconsin; July 2016 Revision 2" was used as the primary criteria in the assessment of the data with the project data quality objectives. The “Lake Winnebago and OU1-5 Long-Term Monitoring Sampling and Analysis Plan”, Revision 4, dated June 2022 was also referenced during validation.

The specific calibration and laboratory QC check requirements contained in the cited analytical reference methods were used in the assessment of the data for compliance with analytical accuracy and precision. The review was based on the data packages supplied by the analytical laboratories, Pace Analytical Services (Pace), located in Green Bay, Wisconsin and Eurofins TestAmerica (Eurofins), located in Knoxville, Tennessee. Pace performed analysis of Total Organic Carbon (TOC) and Total Suspended Solids (TSS). Eurofins analyzed the samples for Polychlorinated Biphenyl Congeners (PCB Congeners).

The samples and rinsate blank were originally extracted for PCB Congeners on November 16, 2022. The method blank for that batch had numerous PCB congeners detected above the Estimated Detection Limit (EDL). PCB congeners 44/47/65 were detected in this blank above the Quantitation Limit at a concentration of 0.116 ng/L. Total PCBs in this method blank calculated as 0.5321 ng/L. Due to the elevated method blank concentrations, the samples required re-extraction and re-analysis.

Foth submitted the backup bottle for the rinsate blank RBP-22-1102 to Eurofins and the samples and rinsate blank were re-extracted on December 22, 2022. The method blank for this batch was apparently contaminated by the spiking solution, as well as containing PCB congener 68 at a concentration of 0.0336 ng/L, which was above the Quantitation Limit. Due to the

apparent contamination of this blank and possibly the samples, this batch was rejected and not reported.

Following discussions between the data validator and the Foth and laboratory project managers, it was determined that the samples should be extracted for a third time, but the rinsate blank should be reported from the original extraction as there was no more volume remaining for the rinsate blank. Therefore, the original method blank MB 140-67536/14-A was reported with the rinsate blank RBP-22-1102.

On January 17, 2023, Eurofins re-extracted the November 2022 samples. Method blank MB 140-69463/13-A was associated with this preparation batch from the January 17, 2023 extraction. No congeners were detected above the Quantitation Limit in this method blank, however, numerous congeners were reported at low-level concentrations below the reporting limit. Total PCBs in the laboratory method blank MB 140-69463/13-A calculated as 0.2981 ng/L.

Eurofins reported the analytical results in January 2023 in data package 140-29568. This data package was validated but the concentrations of target analytes in the method blank indicated that the samples may have been contaminated and the sample results may have been adversely affected by this contamination. Consequently, these results, as well as those of the rinsate blank, were rejected.

Subsequently, following consultation with the client, the backup samples for two locations from the November 2022 sampling event were resubmitted to Eurofins as blind samples in June 2023 for preparation and analysis. The method blank associated with this batch, did not exhibit the wide-spread contamination observed in the method blanks from the latter part of 2022. It did contain some congeners at low levels, consistent with levels observed in 2018 and 2021. Consequently, the remaining backup samples were submitted to Eurofins for preparation and analysis in July 2023.

This report provides the findings of the PCB congener data validation of the June 2023 and July 2023 data packages from Eurofins and the TSS and TOC data validation from the November 2022 data package from Pace.

As per the QAPP, 10% of the sample data collected in this sampling event were validated. Sample identification numbers are assigned per sampling event; sample IDs, along with sample dates and Sample Delivery Group numbers, are provided in Table 1.

2.0 POLYCHLORINATED BIPHENYLS (PCB) CONGENERS DATA

Eurofins utilized the EPA Method 1668A for analysis of PCB Congeners. No significant deviations from this method were apparent from the documentation reviewed. No action was needed to qualify sample data based upon review of sample documentation.

2.1. Completeness Assessment

The Eurofins data packages (140-32110 and 140-32981) received were complete. The composite samples were created in accordance with instructions. All composites created were analyzed. The sample data did not require qualification based upon completeness.

2.2. Compliance Assessment

2.2.1. Holding Times/Preservation

All samples for PCBs were received on ice. No notations of receipt temperature outside of the EPA recommended limit of up to 6 degrees Celsius (°C) were noted for the samples as they were received at 0.2°C to 1.4°C. The sample data did not require qualification, as the cooler temperature did not result in loss/gain of PCBs and the sample containers were not frozen or leaking.

All water samples were extracted within one year after collection. After extraction all samples were analyzed within 40 days. Sample data does not require qualification based upon sample receipt, preservation, or holding time issues.

2.2.2. Gas Chromatography/Mass Spectrometry (GC/MS) Performance Check

All resolution and exact mass/theoretical mass deviation criteria for the PFK molecular leak test were acceptable each day samples were analyzed. Resolution between PCB-34 and PCB-23 and PCB-187 and PCB-182 is determined by the valley height to peak height ratio. The ratio was less than 40% as required by the method. Greater than 10,000 resolving power and less than 5% deviation from the appropriate reference lock mass, as required by the method, were monitored, and met method requirements. All labeled and unlabeled PCB congener ion abundance ratios met method criteria, and all exhibited a signal to noise ratio in exceedance of 1:10. Sample data does not require qualification for Mass Resolution Check verification.

2.2.3. Initial Calibration (ICAL)

A six-point initial calibration curve applicable to the samples was analyzed on instrument D2D on October 8, 2021. The relative standard deviation (RSD) values measured for each peak were less than the 20% (isotope dilution congeners) and 35% (unlabeled congeners) data validation criteria. Sample data does not require qualification based upon the initial calibration.

2.2.4. Calibration Verification (CCAL)

The required method frequency of calibration verification was met and all method lock mass, ion abundance ratios, response factor and retention time window criteria were met. Greater than 10,000 resolving power and less than 5% deviation from the appropriate reference lock mass, as required by the method, were monitored and met method requirements. Percent deviations for all target congeners was less than 30% and all labeled internal standards were less than 50%. Signal to noise ratio was greater than 10% for all reported congeners and internal standards. Sample data does not require qualification for the Continuing Calibration verification.

2.2.5. Laboratory Blanks

One laboratory blank was prepared and extracted with each batch of the project samples (MB 140-74950/4-A for 140-32110 and MB 140-76333/11-A for 140-32981). Method blank MB 140-74950/4-A was extracted on June 30, 2023, with samples OU4-22-1101 and OU5A-22-1101 from the November 2022 sampling event. PCB congeners detected above the Estimated Detection Limit (EDL) for this method blank are listed in Table 2. As shown in Table 2, Total PCBs in the lab method blank 140-74950/4-A calculates as 0.0724 ng/L which includes co-eluting congeners; eliminating co-eluting congeners and PCB-11, which is found in a paint pigment still used on the river, the Total PCBs in this method blank is 0.0351 ng/L.
Method blank MB 140-76333/11-A is associated with extraction of the remaining November 2022 surface water samples conducted on August 10, 2023. PCB congeners detected above the Estimated Detection Limit (EDL) for this method blank are listed in Table 2. As shown in Table 2, Total PCBs in the lab method blank 140-76333/11-A calculates as 0.0878 ng/L which includes co-eluting congeners; eliminating co-eluting congeners and PCB-11, which is found in a paint pigment still used on the river, the Total PCBs in this method blank is 0.0348 ng/L.

Project samples that contained these congeners at concentrations less than 5 times the lab blank concentrations are indicated by the green highlighted results in Attachment A, and their presence may be due to lab background and not native sample concentration. No further action was taken to qualify sample results for laboratory blank concentrations based on direction from the Long-Term Monitoring Workgroup. However, it is left to the end user to determine if any low-level blank detections may have impacted the sample results for this sampling event.

2.2.6. C-13 Labeled Internal Standard Recoveries

All C-13 labeled internal standard congener recoveries in most project samples and blanks were within the QAPP limit of greater than 25% recovery and less than 150% recovery. No further

action was required to qualify sample data based upon internal standard recoveries.

All C-13 labeled internal standard congener recoveries in all laboratory control standards (LCS) were within the QAPP limits of greater than 25% recovery and less than 150% recovery. No action was required to qualify sample data based upon internal standard recoveries.

2.2.7. Clean up Standards (Surrogates)

Three C-13 labeled congeners (PCB-28, PCB-111, PCB-178) were added to every project sample, lab blank, and quality control sample. Recoveries were all within the 40%-125% limits. No action was required to qualify sample data based upon surrogate recoveries.

2.2.8. Laboratory Control Sample

One Laboratory Control Sample (LCS) containing 27 congeners at 0.5 ng/L was prepared and analyzed with each set of project samples extracted and analyzed. All recoveries measured in the LCS were within the method limits of 50% - 150%. No action was required to qualify sample data based on LCS recoveries.

2.2.9. Detection Limit Attainment

The Reporting Limits as listed in Worksheet # 15 of the QAPP were attained in all samples. No samples exhibited congener concentrations that exceeded the upper calibration standard and therefore none required dilution.

Sample results that were greater than the EDL, but less than the Minimum Level (Quantitation Limit or Reporting Limit) were qualified by Eurofins with a J code indicating estimated data as the concentration reported is within a region of imprecision.

2.2.10. Verification of Reported Results

No reporting errors were detected. A few reported congener concentrations were recalculated from the raw data and were verified. Some QC sample results such as percent recovery and RSD were recalculated. No discrepancies that were not due to differences in lab instrument software and the validator's calculator significant figure/rounding protocols were found in QC sample results.

Results qualified by Eurofins with a “q” qualifier indicate that the result is the estimated maximum possible concentration of the analyte, quantitated using the theoretical ion ratio. The measured ion ratio did not meet qualitative identification criteria and indicated a possible

interference. The “q” qualified results were also qualified as estimated (J), as one or more of the three criteria for positive identification of the congener was not met (ion abundance ratio ± 15 % of theoretical, retention time window, two quantitation ion peaks maximize within 2 seconds of each other). Results should be considered estimates, but useable, as at least two of the three identification criteria were met.

2.2.11. Field QC Results

Field rinsate blank RBP-22-1102 was collected with the project samples. The total sample volume was expended during the first two extractions in November and December 2022. There were no acceptable results for the rinsate blank for this sampling event.

One field duplicate was collected with the project samples: OU3-22-1103/OU3D-22-1103. Table 3 presents the reported concentrations and the resultant calculated relative percent difference (RPD). RPD values ranged from 0% to 106.01% for the field duplicates where congeners were detected in both the primary and duplicate samples. Precision limits for field duplicates set in the QAPP are less than 25% RPD. However, this would be for detections above the reporting limits. For detections below the reporting limits, the criterion of +/- the RL (reporting limit) is used. For the detections reported in the field duplicate pair, all absolute differences were less than the RL for that congener. Consequently, no action was required to qualify sample data for field duplicate precision.

3.0 TOC AND TSS DATA

Pace utilized Standard Methods 5310C for Total Organic Carbon (TOC) analysis and 2540D for Total Suspended Solids (TSS) analysis. No deviations from these reference methods were apparent from the data reviewed. No action was needed to qualify sample data.

3.1. Completeness Assessment

The Pace data package received (40254197) was complete. All samples submitted and indicated for analysis were analyzed. No action was required to qualify sample data based upon completeness.

3.2. Compliance Assessment

3.2.1. Holding Time/Preservation

All project samples were properly preserved to pH < 2 for TOC analysis. All samples were received within the allowable temperature range of 0°C - 6°C. No action was required to qualify sample data based upon lack of proper preservation.

All samples were analyzed within the EPA holding times of 7 days for TSS and 28 days for TOC. No action was required to qualify TSS or TOC data for the remaining samples based upon holding time.

3.2.2. Calibration

All method initial and continuing calibration criteria were met. All recoveries were within 90% to 110%. No action was taken to qualify sample data based upon calibration.

3.2.3. Laboratory Blanks

No reported TOC or TSS were detected above the Limit of Detection (LOD) in the lab method blanks analyzed with the project samples. No action was required to qualify sample data based upon laboratory blank results.

3.2.4. Lab Control Standards

Recoveries of reference standards at 12.5 milligrams per liter (mg/L) for TOC and 100 mg/L for TSS were within Pace and QAPP accuracy limits of 80-120 %. No action was required to qualify sample data based upon LCS results.

3.2.5. Laboratory Duplicate Sample Analysis

TSS laboratory duplicate RPD results were within the QAPP limit of 10% for the analysis of the samples on November 8 and 9, 2022 for the batch duplicate. The sample used as the

laboratory duplicate was not a project sample. No action was required to qualify sample data based upon laboratory duplicate results.

3.2.6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Samples

Samples LW-22-1102 was designated as the MS/MSD for the Total Organic Carbon (TOC) portion of this SDG. TOC matrix spike sample recoveries in project samples were within the QAPP limits of 80% to 120% and less than 20% RPD. No action is required to qualify sample data based upon MS/MSD results.

3.2.7. Detection Limit Attainment

The Reporting Limits as listed in Worksheet # 15 of the QAPP were attained in all samples. No samples concentrations that exceeded the upper calibration standard and therefore none required dilution.

Sample results that were greater than the detection Limit (LOD), but less than the Quantitation Limit (LOQ) were qualified by Pace with a J code indicating estimated data as the concentration reported is within a region of imprecision. It should be noted, that prior to analysis of the samples from June 2022, the laboratory changed the preparation method for TSS to use an increased initial sample volume. This change resulted is a decrease in the reported detection limit and quantitation limit. Although the procedure was modified, the resulting reporting limits meet the requirements of the QAPP.

3.2.8. Field QC Results

Field rinsate blank RBP-22-11102 was collected with the project samples. TSS was not reported in the rinsate blank above the reporting limit of 0.48 mg/L. As the rinsate blank result is below the quantitation limit, no action was required to qualify the sample data.

TOC was reported in the rinsate blank RBP-22-1102 at a concentration of 0.16 mg/L above the detection limit (0.14 mg/L) but below the quantitation limit (0.5 mg/L). As the rinsate blank result is below the quantitation limit, no action was required to qualify the sample data.

One field duplicate was collected with the project samples: OU3-22-1103/OU3D-22-1103. The calculated RPD values were -1.5% for TSS and -4.4% for TOC. The QAPP indicates a precision criterion of $\pm$30% RPD for TOC and TSS. No action was required to qualify sample data, as this precision criterion was met.

4.0 DATA USABILITY SUMMARY

Data qualifiers that have been applied by the validator beyond those applied by the laboratory are shown in Table 4. For this sampling event, only laboratory qualifiers were applied to sample results for PCB congeners or for TSS and TOC.

Unless identified as invalid with an "R" qualifier, all data are acceptable for use. None of the sample results for this sampling event were rejected and 100% of the data are deemed usable. PCB Congener data qualified with a "J" qualifier and/or "Q" qualifier(s) are still valid for use but are associated with exceedances of minor quality control and quantitation/identification criteria. Data qualified with a "B" qualifier due to method blank contamination should be used with caution as the presence of the analyte in the sample may be considered suspect. The laboratory reports all such data and leaves it to the end user to determine whether or not the analyte should be considered present. Although low level concentrations are present in the method blanks, the data reported for the samples do not require rejection and are deemed usable for long-term monitoring purposes. The Tables in Attachment A indicate those sample results that may be present due to potential blank contamination rather than native to the sample.

All TOC data as reported by Pace were usable without additional qualification.

All TSS data as reported by Pace were usable without additional qualification.

If you have any questions regarding the qualification of data or the data validation process/criteria used, please contact Lori Anne Hendel at (904) 742-1781.

Sincerely,

Applied Testing & Geosciences, LLC

Lori Anne Hendel

TABLES

TABLE 1
SAMPLE SUMMARY
SDG: 140-32110/140-32981/40254197
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

				Analysis/Parameters/SDG		
Sample Identification	***Matrix***	***Sample Type***	***Collection Date/ Time (mm/dd/yyyy)***	***PCB - Congeners***	***Total Suspended Solids***	***Total Organic Carbon***
LW-22-1102	SW	Primary	11/2/2022 10:37	140-32981	40254197	40254197
OU1-22-1102	SW	Primary	11/2/2022 12:29	140-32981	40254197	40254197
OU2A-22-1102	SW	Primary	11/2/2022 14:04	140-32981	40254197	40254197
OU2B-22-1102	SW	Primary	11/2/2022 15:34	140-32981	40254197	40254197
OU2C-22-1103	SW	Primary	11/3/2022 8:25	140-32981	40254197	40254197
OU3-22-1103	SW	Primary	11/3/2022 10:46	140-32981	40254197	40254197
OU3D-22-1103	SW	Field Dup	11/3/2022 10:46	140-32981	40254197	40254197
OU4-22-1101	SW	Primary	11/1/2022 16:16	140-32110	40254197	40254197
OU5A-22-1101	SW	Primary	11/1/2022 15:20	140-32110	40254197	40254197
OU5B-22-1101	SW	Primary	11/1/2022 13:53	140-32981	40254197	40254197
OU5C-22-1101	SW	Primary	11/1/2022 11:54	140-32981	40254197	40254197
RBP-22-1102	SW	Rinsate Blank	11/2/2022 6:35	No results	40254197	40254197

Samples OU4-22-1101 and OU5A-22-1101 were submitted to the laboratory as blind samples for analysis in June 2023. The samples were designated as FR2-22 and FR1-22, respectively. They will be referred to as their correct IDs in this report.

TABLE 2
BLANK RESULTS
SDG: 140-32110/140-32981
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Congener	MB 140-74950/4-A		
	Result [ng/L]	Qualifier	Quantitation Limit [ng/L]
PCB-1		U	0.02
PCB-10		U	0.02
PCB-100		UC93	0.04
PCB-101	0.00271	JC90q	0.06
PCB-102		UC98	0.04
PCB-103		U	0.02
PCB-104		U	0.02
PCB-105		U	0.02
PCB-106		U	0.02
PCB-107		U	0.02
PCB-108		UC	0.04
PCB-109		UC86	0.12
PCB-11	0.00615	Jq	0.03
PCB-110	0.00105	JCq	0.04
PCB-111		U	0.02
PCB-112		U	0.02
PCB-113	0.00271	JC90q	0.06
PCB-114		U	0.02
PCB-115	0.00105	JC110q	0.04
PCB-116		UC85	0.06
PCB-117		UC85	0.06
PCB-118		U	0.02
PCB-119		UC86	0.12
PCB-12		UC	0.04
PCB-120		U	0.02
PCB-121		U	0.02
PCB-122		U	0.02
PCB-123		U	0.02
PCB-124		UC108	0.04
PCB-125		UC86	0.12
PCB-126		U	0.02
PCB-127		U	0.02
PCB-128		UC	0.04
PCB-129	0.000854	JC	0.08
PCB-13		UC12	0.04
PCB-130		U	0.02
PCB-131		U	0.02
PCB-132		U	0.02
PCB-133		U	0.02
PCB-134		UC	0.04
PCB-135		UC	0.04
PCB-136		U	0.02
PCB-137	0.000436	Jq	0.02
PCB-138	0.000854	JC129	0.08
PCB-139		UC	0.04
PCB-14		U	0.02
PCB-140		UC139	0.04
PCB-141		U	0.02
PCB-142		U	0.02

Congener	MB 140-76333/11-A		
	Result [ng/L]	Qualifier	Quantitation Limit [ng/L]
PCB-1	0.000322	Jq	0.02
PCB-10		U	0.02
PCB-100		UC93	0.04
PCB-101	0.00263	JC90	0.06
PCB-102		UC98	0.04
PCB-103		U	0.02
PCB-104		U	0.02
PCB-105		U	0.02
PCB-106		U	0.02
PCB-107		U	0.02
PCB-108		UC	0.04
PCB-109	0.00175	JC86q	0.12
PCB-11	0.00506	Jq	0.03
PCB-110	0.00189	JC	0.04
PCB-111		U	0.02
PCB-112		U	0.02
PCB-113	0.00263	JC90	0.06
PCB-114		U	0.02
PCB-115	0.00189	JC110	0.04
PCB-116	0.000788	JC85q	0.06
PCB-117	0.000788	JC85q	0.06
PCB-118	0.000977	Jq	0.02
PCB-119	0.00175	JC86q	0.12
PCB-12		UC	0.04
PCB-120		U	0.02
PCB-121		U	0.02
PCB-122		U	0.02
PCB-123		U	0.02
PCB-124		UC108	0.04
PCB-125	0.00175	JC86q	0.12
PCB-126		U	0.02
PCB-127		U	0.02
PCB-128		UC	0.04
PCB-129	0.00178	JCq	0.08
PCB-13		UC12	0.04
PCB-130		U	0.02
PCB-131		U	0.02
PCB-132		U	0.02
PCB-133		U	0.02
PCB-134		UC	0.04
PCB-135		UC	0.04
PCB-136		U	0.02
PCB-137		U	0.02
PCB-138	0.00178	JC129q	0.08
PCB-139		UC	0.04
PCB-14		U	0.02
PCB-140		UC139	0.04
PCB-141	0.000724	J	0.02
PCB-142		U	0.02

TABLE 2
BLANK RESULTS
SDG: 140-32110/140-32981
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Congener	MB 140-74950/4-A		
	Result	Qualifier	Quantitation
PCB-143		UC134	0.04
PCB-144		U	0.02
PCB-145		U	0.02
PCB-146	0.000367	Jq	0.02
PCB-147		UC	0.04
PCB-148		U	0.02
PCB-149		UC147	0.04
PCB-15		U	0.02
PCB-150		U	0.02
PCB-151		UC135	0.04
PCB-152		U	0.02
PCB-153	0.000823	JC	0.04
PCB-154		U	0.02
PCB-155		U	0.02
PCB-156		UC	0.04
PCB-157		UC156	0.04
PCB-158		U	0.02
PCB-159		U	0.02
PCB-16	0.00084	Jq	0.02
PCB-160	0.000854	JC129	0.08
PCB-161		U	0.02
PCB-162		U	0.02
PCB-163	0.000854	JC129	0.08
PCB-164		U	0.02
PCB-165		U	0.02
PCB-166		UC128	0.04
PCB-167		U	0.02
PCB-168	0.000823	JC153	0.04
PCB-169		U	0.02
PCB-17	0.000983	Jq	0.02
PCB-170		U	0.02
PCB-171	0.000277	JCq	0.04
PCB-172		U	0.02
PCB-173	0.000277	JC171q	0.04
PCB-174		U	0.02
PCB-175		U	0.02
PCB-176		U	0.02
PCB-177		U	0.02
PCB-178		U	0.02
PCB-179		U	0.02
PCB-18	0.00149	JC	0.04
PCB-180	0.000554	JC	0.04
PCB-181		U	0.02
PCB-182		U	0.02
PCB-183	0.000463	JCq	0.04
PCB-184		U	0.02
PCB-185	0.000463	JC183q	0.04
PCB-186		U	0.02
PCB-187		U	0.02
PCB-188		U	0.02

Congener	MB 140-76333/11-A		
	Result	Qualifier	Quantitation
PCB-143		UC134	0.04
PCB-144		U	0.02
PCB-145	0.000593	J	0.02
PCB-146		U	0.02
PCB-147	0.000901	JCq	0.04
PCB-148		U	0.02
PCB-149	0.000901	JC147q	0.04
PCB-15		U	0.02
PCB-150		U	0.02
PCB-151		UC135	0.04
PCB-152		U	0.02
PCB-153	0.00117	JCq	0.04
PCB-154		U	0.02
PCB-155		U	0.02
PCB-156		UC	0.04
PCB-157		UC156	0.04
PCB-158		U	0.02
PCB-159		U	0.02
PCB-16		U	0.02
PCB-160	0.00178	JC129q	0.08
PCB-161		U	0.02
PCB-162		U	0.02
PCB-163	0.00178	JC129q	0.08
PCB-164		U	0.02
PCB-165		U	0.02
PCB-166		UC128	0.04
PCB-167		U	0.02
PCB-168	0.00117	JC153q	0.04
PCB-169		U	0.02
PCB-17	0.000792	J	0.02
PCB-170	0.000456	Jq	0.02
PCB-171		UC	0.04
PCB-172		U	0.02
PCB-173		UC171	0.04
PCB-174	0.000797	Jq	0.02
PCB-175		U	0.02
PCB-176		U	0.02
PCB-177		U	0.02
PCB-178		U	0.02
PCB-179		U	0.02
PCB-18	0.000899	JCq	0.04
PCB-180	0.000479	JCq	0.04
PCB-181		U	0.02
PCB-182		U	0.02
PCB-183	0.00104	JCq	0.04
PCB-184		U	0.02
PCB-185	0.00104	JC183q	0.04
PCB-186		U	0.02
PCB-187	0.000424	Jq	0.02
PCB-188		U	0.02

TABLE 2
BLANK RESULTS
SDG: 140-32110/140-32981
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Congener	MB 140-74950/4-A		
	Result	Qualifier	Quantitation
PCB-189		U	0.02
PCB-19		U	0.02
PCB-190		U	0.02
PCB-191		U	0.02
PCB-192		U	0.02
PCB-193	0.000554	JC180	0.04
PCB-194		U	0.02
PCB-195		U	0.02
PCB-196		U	0.02
PCB-197		U	0.02
PCB-198		UC	0.04
PCB-199		UC198	0.04
PCB-2	0.000581	Jq	0.02
PCB-20	0.00226	JC	0.04
PCB-200		U	0.02
PCB-201		U	0.02
PCB-202		U	0.02
PCB-203		U	0.02
PCB-204		U	0.02
PCB-205		U	0.02
PCB-206		U	0.02
PCB-207		U	0.02
PCB-208		U	0.02
PCB-209		U	0.02
PCB-21	0.000893	JCq	0.04
PCB-22	0.000844	J	0.02
PCB-23		U	0.02
PCB-24		U	0.02
PCB-25		U	0.02
PCB-26		UC	0.04
PCB-27		U	0.02
PCB-28	0.00226	JC20	0.04
PCB-29		UC26	0.04
PCB-3	0.000892	Jq	0.02
PCB-30	0.00149	JC18	0.04
PCB-31	0.00207	J	0.02
PCB-32		U	0.02
PCB-33	0.000893	JC21q	0.04
PCB-34		U	0.02
PCB-35		U	0.02
PCB-36		U	0.02
PCB-37	0.000844	J	0.02
PCB-38		U	0.02
PCB-39		U	0.02
PCB-4		U	0.03
PCB-40		UC	0.06
PCB-41		UC40	0.06
PCB-42		U	0.02
PCB-43		UC	0.04
PCB-44	0.00316	JCq	0.06

Congener	MB 140-76333/11-A		
	Result	Qualifier	Quantitation
PCB-189		U	0.02
PCB-19		U	0.02
PCB-190		U	0.02
PCB-191		U	0.02
PCB-192	0.000703	J	0.02
PCB-193	0.000479	JC180q	0.04
PCB-194		U	0.02
PCB-195		U	0.02
PCB-196		U	0.02
PCB-197		U	0.02
PCB-198		UC	0.04
PCB-199		UC198	0.04
PCB-2		U	0.02
PCB-20	0.00164	JC	0.04
PCB-200		U	0.02
PCB-201		U	0.02
PCB-202		U	0.02
PCB-203		U	0.02
PCB-204	0.000484	Jq	0.02
PCB-205		U	0.02
PCB-206		U	0.02
PCB-207		U	0.02
PCB-208		U	0.02
PCB-209		U	0.02
PCB-21	0.00112	JCq	0.04
PCB-22		U	0.02
PCB-23		U	0.02
PCB-24		U	0.02
PCB-25		U	0.02
PCB-26		UC	0.04
PCB-27		U	0.02
PCB-28	0.00164	JC20	0.04
PCB-29		UC26	0.04
PCB-3		U	0.02
PCB-30	0.000899	JC18q	0.04
PCB-31	0.0013	J	0.02
PCB-32	0.000692	J	0.02
PCB-33	0.00112	JC21q	0.04
PCB-34		U	0.02
PCB-35		U	0.02
PCB-36		U	0.02
PCB-37		U	0.02
PCB-38		U	0.02
PCB-39		U	0.02
PCB-4		U	0.03
PCB-40		UC	0.06
PCB-41		UC40	0.06
PCB-42		U	0.02
PCB-43		UC	0.04
PCB-44	0.00473	JC	0.06

TABLE 2
BLANK RESULTS
SDG: 140-32110/140-32981
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Congener	MB 140-74950/4-A		
	Result	Qualifier	Quantitation
PCB-45		UC	0.04
PCB-46		U	0.02
PCB-47	0.00316	JC44q	0.06
PCB-48	0.000829	J	0.02
PCB-49	0.0012	JC	0.04
PCB-5		U	0.02
PCB-50		UC	0.04
PCB-51		UC45	0.04
PCB-52	0.00195	Jq	0.02
PCB-53		UC50	0.04
PCB-54		U	0.02
PCB-55		U	0.02
PCB-56	0.00086	Jq	0.02
PCB-57		U	0.02
PCB-58		U	0.02
PCB-59	0.000629	JCq	0.06
PCB-6		U	0.02
PCB-60	0.000336	Jq	0.02
PCB-61	0.00218	JCq	0.08
PCB-62	0.000629	JC59q	0.06
PCB-63		U	0.02
PCB-64		U	0.02
PCB-65	0.00316	JC44q	0.06
PCB-66	0.00119	J	0.02
PCB-67		U	0.02
PCB-68		U	0.02
PCB-69	0.0012	JC49	0.04
PCB-7		U	0.02
PCB-70	0.00218	JC61q	0.08
PCB-71		UC40	0.06
PCB-72		U	0.02
PCB-73		UC43	0.04
PCB-74	0.00218	JC61q	0.08
PCB-75	0.000629	JC59q	0.06
PCB-76	0.00218	JC61q	0.08
PCB-77		U	0.02
PCB-78		U	0.02
PCB-79		U	0.02
PCB-8	0.00195	Jq	0.03
PCB-80		U	0.02
PCB-81		U	0.02
PCB-82		U	0.02
PCB-83		UC	0.04
PCB-84	0.000649	Jq	0.02
PCB-85		UC	0.06
PCB-86		UC	0.12
PCB-87		UC86	0.12
PCB-88		UC	0.04
PCB-89		U	0.02
PCB-9		U	0.02

Congener	MB 140-76333/11-A		
	Result	Qualifier	Quantitation
PCB-45	0.00126	JCq	0.04
PCB-46		U	0.02
PCB-47	0.00473	JC44	0.06
PCB-48		U	0.02
PCB-49		UC	0.04
PCB-5		U	0.02
PCB-50		UC	0.04
PCB-51	0.00126	JC45q	0.04
PCB-52	0.00132	Jq	0.02
PCB-53		UC50	0.04
PCB-54		U	0.02
PCB-55		U	0.02
PCB-56		U	0.02
PCB-57		U	0.02
PCB-58		U	0.02
PCB-59		UC	0.06
PCB-6		U	0.02
PCB-60		U	0.02
PCB-61	0.00239	JC	0.08
PCB-62		UC59	0.06
PCB-63		U	0.02
PCB-64		U	0.02
PCB-65	0.00473	JC44	0.06
PCB-66	0.00078	Jq	0.02
PCB-67		U	0.02
PCB-68		U	0.02
PCB-69		UC49	0.04
PCB-7		U	0.02
PCB-70	0.00239	JC61	0.08
PCB-71		UC40	0.06
PCB-72		U	0.02
PCB-73		UC43	0.04
PCB-74	0.00239	JC61	0.08
PCB-75		UC59	0.06
PCB-76	0.00239	JC61	0.08
PCB-77		U	0.02
PCB-78		U	0.02
PCB-79		U	0.02
PCB-8		U	0.03
PCB-80		U	0.02
PCB-81		U	0.02
PCB-82		U	0.02
PCB-83		UC	0.04
PCB-84		U	0.02
PCB-85	0.000788	JCq	0.06
PCB-86	0.00175	JCq	0.12
PCB-87	0.00175	JC86q	0.12
PCB-88		UC	0.04
PCB-89		U	0.02
PCB-9		U	0.02

TABLE 2
BLANK RESULTS
SDG: 140-32110/140-32981
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Congener	MB 140-74950/4-A		
	Result	Qualifier	Quantitation
PCB-90	0.00271	JCq	0.06
PCB-91		UC88	0.04
PCB-92		U	0.02
PCB-93		UC	0.04
PCB-94		U	0.02
PCB-95	0.00097	Jq	0.02
PCB-96		U	0.02
PCB-97		UC86	0.12
PCB-98		UC	0.04
PCB-99		UC83	0.04
Total PCBs	0.0724		
Total (no co-eluters)	0.0351		

Congener	MB 140-76333/11-A		
	Result	Qualifier	Quantitation
PCB-90	0.00263	JC	0.06
PCB-91		UC88	0.04
PCB-92		U	0.02
PCB-93		UC	0.04
PCB-94		U	0.02
PCB-95		U	0.02
PCB-96		U	0.02
PCB-97	0.00175	JC86q	0.12
PCB-98		UC	0.04
PCB-99		UC83	0.04
Total PCBs	0.0878		
Total (no co-eluters)	0.0348		

NOTES:

B : Compound was found in the blank and sample.
C : The compound co-eluted with other compounds
C108 : The compound co-eluted with PCB-108
C110 : The compound co-eluted with PCB-110
C12 : The compound co-eluted with PCB-12
C128 : The compound co-eluted with PCB-128
C129 : The compound co-eluted with PCB-129
C134 : The compound co-eluted with PCB-134
C135 : The compound co-eluted with PCB-135
C139 : The compound co-eluted with PCB-139
C147 : The compound co-eluted with PCB-147
C153 : The compound co-eluted with PCB-153
C156 : The compound co-eluted with PCB-156
C171 : The compound co-eluted with PCB-171
C18 : The compound co-eluted with PCB-18
C180 : The compound co-eluted with PCB-180
C183 : The compound co-eluted with PCB-183
C198 : The compound co-eluted with PCB-198
C20 : The compound co-eluted with PCB-20
C21 : The compound co-eluted with PCB-21
C26 : The compound co-eluted with PCB-26
C40 : The compound co-eluted with PCB-40
C43 : The compound co-eluted with PCB-43
C44 : The compound co-eluted with PCB-44
C45 : The compound co-eluted with PCB-45
C49 : The compound co-eluted with PCB-49
C50 : The compound co-eluted with PCB-50
C59 : The compound co-eluted with PCB-59
C61 : The compound co-eluted with PCB-61
C83 : The compound co-eluted with PCB-83
C85 : The compound co-eluted with PCB-85
C86 : The compound co-eluted with PCB-86
C88 : The compound co-eluted with PCB-88
C90 : The compound co-eluted with PCB-90
C93 : The compound co-eluted with PCB-93
C98 : The compound co-eluted with PCB-98

MB 140-74950/4-A analyzed with sample from OU4 and OU5A

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

q : The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

U : Indicates the analyte was analyzed for but not detected.

TABLE 3
FIELD DUPLICATE RESULTS
SDG: 140-32110/140-32981
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	OU3-22-1103			OU3D-22-1103			%RPD *	Difference Between Primary and Duplicate less than RL?
Lab Sample ID	140-32981-8			140-32981-9				
Sampling Date	11/03/2022 10:46:00			11/03/2022 10:46:00				
Matrix	Water			Water				
Dilution Factor	1			1				
Unit	ng/l			ng/l				
PCB Congeners-1668A-WATER	Result	Q	RL	Result	Q	RL		
PCB-1	ND	U	0.02	0.001	J q B	0.02		YES
PCB-10	0.0019	J	0.02	ND	U	0.02		YES
PCB-100	ND	U C93	0.039	0.00081	J q C93	0.039		YES
PCB-101	0.012	J C90 B	0.059	0.013	J C90 B	0.059	8.00	YES
PCB-102	0.001	J q C98	0.039	0.00056	J q C98	0.039	56.41	YES
PCB-103	ND	U	0.02	ND	U	0.02		YES
PCB-104	ND	U	0.02	ND	U	0.02		YES
PCB-105	0.002	J q	0.02	0.0021	J	0.02	4.88	YES
PCB-106	ND	U	0.02	ND	U	0.02		YES
PCB-107	ND	U	0.02	0.00055	J q	0.02		YES
PCB-108	ND	U C	0.039	ND	U C	0.039		YES
PCB-109	0.0065	J q C86 B	0.12	0.0078	J q C86 B	0.12	18.18	YES
PCB-11	0.0073	J q B	0.029	0.0091	J q B	0.029	21.95	YES
PCB-110	0.011	J C B	0.039	0.011	J C B	0.039	0.00	YES
PCB-111	ND	U	0.02	ND	U	0.02		YES
PCB-112	ND	U	0.02	ND	U	0.02		YES
PCB-113	0.012	J C90 B	0.059	0.013	J C90 B	0.059	8.00	YES
PCB-114	ND	U	0.02	ND	U	0.02		YES
PCB-115	0.011	J C110 B	0.039	0.011	J C110 B	0.039	0.00	YES
PCB-116	0.0024	J q C85 B	0.059	0.0024	J q C85 B	0.059	0.00	YES
PCB-117	0.0024	J q C85 B	0.059	0.0024	J q C85 B	0.059	0.00	YES
PCB-118	0.0052	J B	0.02	0.0063	J B	0.02	19.13	YES
PCB-119	0.0065	J q C86 B	0.12	0.0078	J q C86 B	0.12	18.18	YES
PCB-12	ND	U C	0.039	ND	U C	0.039		YES
PCB-120	ND	U	0.02	ND	U	0.02		YES
PCB-121	ND	U	0.02	ND	U	0.02		YES
PCB-122	ND	U	0.02	ND	U	0.02		YES
PCB-123	ND	U	0.02	ND	U	0.02		YES
PCB-124	ND	U C108	0.039	ND	U C108	0.039		YES
PCB-125	0.0065	J q C86 B	0.12	0.0078	J q C86 B	0.12	18.18	YES
PCB-126	ND	U	0.02	ND	U	0.02		YES
PCB-127	ND	U	0.02	ND	U	0.02		YES
PCB-128	0.00073	J q C	0.039	0.00099	J q C	0.039	30.23	YES
PCB-129	0.0062	J C B	0.078	0.0074	J C B	0.078	17.65	YES
PCB-13	ND	U C12	0.039	ND	U C12	0.039		YES
PCB-130	0.00063	J	0.02	0.00085	J q	0.02	29.73	YES
PCB-131	ND	U	0.02	ND	U	0.02		YES
PCB-132	0.0026	J	0.02	0.0015	J q	0.02	53.66	YES
PCB-133	ND	U	0.02	ND	U	0.02		YES
PCB-134	0.001	J q C	0.039	ND	U C	0.039		YES
PCB-135	0.0022	J q C	0.039	0.0031	J C	0.039	33.96	YES
PCB-136	0.0014	J	0.02	0.0011	J q	0.02	24.00	YES
PCB-137	ND	U	0.02	ND	U	0.02		YES
PCB-138	0.0062	J C129 B	0.078	0.0074	J C129 B	0.078	17.65	YES
PCB-139	ND	U C	0.039	0.00033	J q C	0.039		YES
PCB-14	ND	U	0.02	ND	U	0.02		YES
PCB-140	ND	U C139	0.039	0.00033	J q C139	0.039		YES
PCB-141	0.001	J B	0.02	0.0008	J B	0.02	22.22	YES
PCB-142	ND	U	0.02	ND	U	0.02		YES
PCB-143	0.001	J q C134	0.039	ND	U C134	0.039		YES
PCB-144	ND	U	0.02	ND	U	0.02		YES
PCB-145	ND	U	0.02	ND	U	0.02		YES
PCB-146	0.0014	J	0.02	0.0015	J	0.02	6.90	YES
PCB-147	0.0064	J C B	0.039	0.0056	J C B	0.039	13.33	YES
PCB-148	ND	U	0.02	ND	U	0.02		YES
PCB-149	0.0064	J C147 B	0.039	0.0056	J C147 B	0.039	13.33	YES
PCB-15	0.0046	J q	0.02	0.0072	J	0.02	44.07	YES
PCB-150	ND	U	0.02	ND	U	0.02		YES
PCB-151	0.0022	J q C135	0.039	0.0031	J C135	0.039	33.96	YES
PCB-152	ND	U	0.02	ND	U	0.02		YES
PCB-153	0.0054	J C B	0.039	0.0058	J C B	0.039	7.14	YES
PCB-154	0.00025	J q	0.02	0.00023	J q	0.02	8.33	YES
PCB-155	ND	U	0.02	ND	U	0.02		YES
PCB-156	0.00065	J C	0.039	0.00099	J C	0.039	41.46	YES
PCB-157	0.00065	J C156	0.039	0.00099	J C156	0.039	41.46	YES
PCB-158	0.00079	J	0.02	0.00058	J q	0.02	30.66	YES
PCB-159	ND	U	0.02	ND	U	0.02		YES
PCB-16	0.0071	J	0.02	0.0073	J	0.02	2.78	YES
PCB-160	0.0062	J C129 B	0.078	0.0074	J C129 B	0.078	17.65	YES
PCB-161	ND	U	0.02	ND	U	0.02		YES
PCB-162	ND	U	0.02	ND	U	0.02		YES
PCB-163	0.0062	J C129 B	0.078	0.0074	J C129 B	0.078	17.65	YES
PCB-164	0.00057	J	0.02	0.00029	J q	0.02	65.12	YES
PCB-165	ND	U	0.02	ND	U	0.02		YES
PCB-166	0.00073	J q C128	0.039	0.00099	J q C128	0.039	30.23	YES
PCB-167	ND	U	0.02	ND	U	0.02		YES
PCB-168	0.0054	J C153 B	0.039	0.0058	J C153 B	0.039	7.14	YES
PCB-169	ND	U	0.02	ND	U	0.02		YES
PCB-17	0.019	J B	0.02	0.022	B	0.02	14.63	YES
PCB-170	0.001	J B	0.02	0.00065	J q B	0.02	42.42	YES
PCB-171	0.00021	J q C	0.039	0.00017	J q C	0.039	21.05	YES
PCB-172	ND	U	0.02	0.00021	J q	0.02		YES
PCB-173	0.00021	J q C171	0.039	0.00017	J q C171	0.039	21.05	YES

TABLE 3
FIELD DUPLICATE RESULTS
SDG: 140-32110/140-32981
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	OU3-22-1103			OU3D-22-1103			%RPD *	Difference Between Primary and Duplicate less than RL?
Lab Sample ID	140-32981-8			140-32981-9				
Sampling Date	11/03/2022 10:46:00			11/03/2022 10:46:00				
Matrix	Water			Water				
Dilution Factor	1			1				
Unit	ng/l			ng/l				
PCB Congeners-1668A-WATER	Result	Q	RL	Result	Q	RL		
PCB-174	0.0012	J q B	0.02	0.0014	J B	0.02	15.38	YES
PCB-175	ND	U	0.02	ND	U	0.02		YES
PCB-176	ND	U	0.02	ND	U	0.02		YES
PCB-177	0.0009	J	0.02	0.00032	J q	0.02	95.08	YES
PCB-178	0.00021	J q	0.02	0.00027	J q	0.02	25.00	YES
PCB-179	0.00058	J q	0.02	0.00034	J q	0.02	52.17	YES
PCB-18	0.021	J C B	0.039	0.02	J C B	0.039	4.88	YES
PCB-180	0.0022	J C B	0.039	0.0022	J q C B	0.039	0.00	YES
PCB-181	ND	U	0.02	ND	U	0.02		YES
PCB-182	ND	U	0.02	ND	U	0.02		YES
PCB-183	0.0021	J C B	0.039	0.0014	J q C B	0.039	40.00	YES
PCB-184	ND	U	0.02	ND	U	0.02		YES
PCB-185	0.0021	J C183 B	0.039	0.0014	J q C183 B	0.039	40.00	YES
PCB-186	ND	U	0.02	ND	U	0.02		YES
PCB-187	0.0014	J q B	0.02	0.0023	J B	0.02	48.65	YES
PCB-188	ND	U	0.02	ND	U	0.02		YES
PCB-189	ND	U	0.02	ND	U	0.02		YES
PCB-19	0.0056	J q	0.02	0.0059	J q	0.02	5.22	YES
PCB-190	ND	U	0.02	ND	U	0.02		YES
PCB-191	ND	U	0.02	ND	U	0.02		YES
PCB-192	ND	U	0.02	ND	U	0.02		YES
PCB-193	0.0022	J C180 B	0.039	0.0022	J q C180 B	0.039	0.00	YES
PCB-194	ND	U	0.02	0.00071	J	0.02		YES
PCB-195	ND	U	0.02	ND	U	0.02		YES
PCB-196	0.00035	J q	0.02	0.00055	J q	0.02	44.44	YES
PCB-197	ND	U	0.02	ND	U	0.02		YES
PCB-198	0.00072	J q C	0.039	0.0013	J q C	0.039	57.43	YES
PCB-199	0.00072	J q C198	0.039	0.0013	J q C198	0.039	57.43	YES
PCB-2	0.00072	J q	0.02	0.0009	J	0.02	22.22	YES
PCB-20	0.011	J C B	0.039	0.011	J C B	0.039	0.00	YES
PCB-200	ND	U	0.02	ND	U	0.02		YES
PCB-201	0.00035	J	0.02	ND	U	0.02		YES
PCB-202	ND	U	0.02	ND	U	0.02		YES
PCB-203	0.00032	J q	0.02	0.00079	J	0.02	84.68	YES
PCB-204	ND	U	0.02	ND	U	0.02		YES
PCB-205	ND	U	0.02	ND	U	0.02		YES
PCB-206	ND	U	0.02	ND	U	0.02		YES
PCB-207	ND	U	0.02	ND	U	0.02		YES
PCB-208	ND	U	0.02	ND	U	0.02		YES
PCB-209	0.0011	J q	0.02	0.001	J q	0.02	9.52	YES
PCB-21	0.0015	J q C B	0.039	0.003	J C B	0.039	66.67	YES
PCB-22	0.0014	J q	0.02	0.0019	J q	0.02	30.30	YES
PCB-23	ND	U	0.02	ND	U	0.02		YES
PCB-24	0.00033	J q	0.02	ND	U	0.02		YES
PCB-25	0.0025	J q	0.02	0.0024	J	0.02	4.08	YES
PCB-26	0.0051	J C	0.039	0.0058	J C	0.039	12.84	YES
PCB-27	0.0041	J q	0.02	0.0048	J q	0.02	15.73	YES
PCB-28	0.011	J C20 B	0.039	0.011	J C20 B	0.039	0.00	YES
PCB-29	0.0051	J C26	0.039	0.0058	J C26	0.039	12.84	YES
PCB-3	0.00069	J q	0.02	ND	U	0.02		YES
PCB-30	0.021	J C18 B	0.039	0.02	J C18 B	0.039	4.88	YES
PCB-31	0.0099	J B	0.02	0.011	J B	0.02	10.53	YES
PCB-32	0.00086	J q B	0.02	0.0015	J B	0.02	54.24	YES
PCB-33	0.0015	J q C21 B	0.039	0.003	J C21 B	0.039	66.67	YES
PCB-34	ND	U	0.02	ND	U	0.02		YES
PCB-35	ND	U	0.02	ND	U	0.02		YES
PCB-36	ND	U	0.02	ND	U	0.02		YES
PCB-37	0.0039	J	0.02	0.004	J	0.02	2.53	YES
PCB-38	ND	U	0.02	ND	U	0.02		YES
PCB-39	ND	U	0.02	ND	U	0.02		YES
PCB-4	0.018	J	0.029	0.017	J q	0.029	5.71	YES
PCB-40	0.0079	J q C	0.059	0.012	J C	0.059	41.21	YES
PCB-41	0.0079	J q C40	0.059	0.012	J C40	0.059	41.21	YES
PCB-42	0.0056	J	0.02	0.0066	J	0.02	16.39	YES
PCB-43	0.0012	J q C	0.039	0.00084	J C	0.039	35.29	YES
PCB-44	0.027	J C B	0.059	0.027	J C B	0.059	0.00	YES
PCB-45	0.0049	J C B	0.039	0.0047	J C B	0.039	4.17	YES
PCB-46	0.0022	J	0.02	0.0024	J q	0.02	8.70	YES
PCB-47	0.027	J C44 B	0.059	0.027	J C44 B	0.059	0.00	YES
PCB-48	0.0037	J	0.02	0.0041	J	0.02	10.26	YES
PCB-49	0.015	J C	0.039	0.015	J q C	0.039	0.00	YES
PCB-5	ND	U	0.02	ND	U	0.02		YES
PCB-50	0.0047	J q C	0.039	0.0061	J C	0.039	25.93	YES
PCB-51	0.0049	J C45 B	0.039	0.0047	J C45 B	0.039	4.17	YES
PCB-52	0.022	B	0.02	0.025	B	0.02	12.77	YES
PCB-53	0.0047	J q C50	0.039	0.0061	J C50	0.039	25.93	YES
PCB-54	ND	U	0.02	ND	U	0.02		YES
PCB-55	0.00085	J q	0.02	ND	U	0.02		YES
PCB-56	0.0037	J	0.02	0.0042	J	0.02	12.66	YES
PCB-57	ND	U	0.02	ND	U	0.02		YES
PCB-58	ND	U	0.02	ND	U	0.02		YES
PCB-59	0.0023	J C	0.059	0.0029	J C	0.059	23.08	YES
PCB-6	ND	U	0.02	ND	U	0.02		YES

TABLE 3
FIELD DUPLICATE RESULTS
SDG: 140-32110/140-32981
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	OU3-22-1103			OU3D-22-1103			%RPD *	Difference Between Primary and Duplicate less than RL?
Lab Sample ID	140-32981-8			140-32981-9				
Sampling Date	11/03/2022 10:46:00			11/03/2022 10:46:00				
Matrix	Water			Water				
Dilution Factor	1			1				
Unit	ng/l			ng/l				
PCB Congeners-1668A-WATER	Result	Q	RL	Result	Q	RL		
PCB-60	0.0016	J q	0.02	0.0011	J q	0.02	37.04	YES
PCB-61	0.014	J q C B	0.078	0.017	J C B	0.078	19.35	YES
PCB-62	0.0023	J C59	0.059	0.0029	J C59	0.059	23.08	YES
PCB-63	0.00062	J q	0.02	0.00078	J q	0.02	22.86	YES
PCB-64	0.0079	J	0.02	0.0097	J	0.02	20.45	YES
PCB-65	0.027	J C44 B	0.059	0.027	J C44 B	0.059	0.00	YES
PCB-66	0.0082	J B	0.02	0.011	J B	0.02	29.17	YES
PCB-67	0.00055	J q	0.02	0.00047	J	0.02	15.69	YES
PCB-68	0.0014	J	0.02	0.00043	J q	0.02	106.01	YES
PCB-69	0.015	J C49	0.039	0.015	J q C49	0.039	0.00	YES
PCB-7	ND	U	0.02	ND	U	0.02		YES
PCB-70	0.014	J q C61 B	0.078	0.017	J C61 B	0.078	19.35	YES
PCB-71	0.0079	J q C40	0.059	0.012	J C40	0.059	41.21	YES
PCB-72	ND	U	0.02	ND	U	0.02		YES
PCB-73	0.0012	J q C43	0.039	0.00084	J C43	0.039	35.29	YES
PCB-74	0.014	J q C61 B	0.078	0.017	J C61 B	0.078	19.35	YES
PCB-75	0.0023	J C59	0.059	0.0029	J C59	0.059	23.08	YES
PCB-76	0.014	J q C61 B	0.078	0.017	J C61 B	0.078	19.35	YES
PCB-77	0.00066	J q	0.02	0.0014	J	0.02	71.84	YES
PCB-78	ND	U	0.02	ND	U	0.02		YES
PCB-79	ND	U	0.02	ND	U	0.02		YES
PCB-8	0.0016	J	0.029	0.0017	J	0.029	6.06	YES
PCB-80	ND	U	0.02	ND	U	0.02		YES
PCB-81	ND	U	0.02	ND	U	0.02		YES
PCB-82	0.0015	J	0.02	0.00084	J q	0.02	56.41	YES
PCB-83	0.0087	J C	0.039	0.0083	J C	0.039	4.71	YES
PCB-84	0.0031	J	0.02	0.0044	J	0.02	34.67	YES
PCB-85	0.0024	J q C B	0.059	0.0024	J q C B	0.059	0.00	YES
PCB-86	0.0065	J q C B	0.12	0.0078	J q C B	0.12	18.18	YES
PCB-87	0.0065	J q C86 B	0.12	0.0078	J q C86 B	0.12	18.18	YES
PCB-88	0.0026	J q C	0.039	0.0022	J q C	0.039	16.67	YES
PCB-89	ND	U	0.02	ND	U	0.02		YES
PCB-9	ND	U	0.02	ND	U	0.02		YES
PCB-90	0.012	J C B	0.059	0.013	J C B	0.059	8.00	YES
PCB-91	0.0026	J q C88	0.039	0.0022	J q C88	0.039	16.67	YES
PCB-92	0.0031	J q	0.02	0.0035	J	0.02	12.12	YES
PCB-93	ND	U C	0.039	0.00081	J q C	0.039		YES
PCB-94	ND	U	0.02	ND	U	0.02		YES
PCB-95	0.01	J	0.02	0.0093	J	0.02	7.25	YES
PCB-96	ND	U	0.02	ND	U	0.02		YES
PCB-97	0.0065	J q C86 B	0.12	0.0078	J q C86 B	0.12	18.18	YES
PCB-98	0.001	J q C	0.039	0.00056	J q C	0.039	56.41	YES
PCB-99	0.0087	J C83	0.039	0.0083	J C83	0.039	4.71	YES

NOTES:

B : Compound was found in the blank and sample.
C : The compound co-eluted with other compounds
C108 : The compound co-eluted with PCB-108
C110 : The compound co-eluted with PCB-110
C12 : The compound co-eluted with PCB-12
C128 : The compound co-eluted with PCB-128
C129 : The compound co-eluted with PCB-129
C134 : The compound co-eluted with PCB-134
C135 : The compound co-eluted with PCB-135
C139 : The compound co-eluted with PCB-139
C147 : The compound co-eluted with PCB-147
C153 : The compound co-eluted with PCB-153
C156 : The compound co-eluted with PCB-156
C171 : The compound co-eluted with PCB-171
C18 : The compound co-eluted with PCB-18
C180 : The compound co-eluted with PCB-180
C183 : The compound co-eluted with PCB-183
C198 : The compound co-eluted with PCB-198
C20 : The compound co-eluted with PCB-20
C21 : The compound co-eluted with PCB-21
C26 : The compound co-eluted with PCB-26
C40 : The compound co-eluted with PCB-40
C43 : The compound co-eluted with PCB-43
C44 : The compound co-eluted with PCB-44
C45 : The compound co-eluted with PCB-45
C49 : The compound co-eluted with PCB-49
C50 : The compound co-eluted with PCB-50
C59 : The compound co-eluted with PCB-59
C61 : The compound co-eluted with PCB-61
C83 : The compound co-eluted with PCB-83
C85 : The compound co-eluted with PCB-85
C86 : The compound co-eluted with PCB-86
C88 : The compound co-eluted with PCB-88
C90 : The compound co-eluted with PCB-90
C93 : The compound co-eluted with PCB-93
C98 : The compound co-eluted with PCB-98

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

q : The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

U : Indicates the analyte was analyzed for but not detected.

* If the Percent RPD is shown in red font, the value exceeds 25%. If the value exceeds 25% but the Difference between the Primary and Duplicate value is less than the reporting limit, then the precision of the measurements is deemed acceptable.

TABLE 4
QUALIFIER SUMMARY
SDG: 140-32110/140-32981/40254197
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Sample Name	*Parameter Group*	*Fraction (N/T/D)*	*Constituent*	*New Result*	*New QL*	*New MDL*	*Qualifier*	*Reason*
			No Qualification Necessary					

ATTACHMENT A

Analytical Data

TABLE A-1
ANALYTICAL RESULTS
SDG: 140-32110
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	OU4-22-1101			OU5A-22-1101			MB 140-74950/4-A			
Lab Sample ID	140-32110-2			140-32110-1			Result	Qualifier	Quantitation	Action
Sampling Date	11/01/2022 16:16:00			11/01/2022 15:20:00			[ng/L]		Limit [ng/L]	Level [ng/L]
Matrix	Water			Water						
Dilution Factor	1			1						
Unit	ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL				
PCB-1	0.0011	J	0.02	0.0027	J	0.02		U	0.02	
PCB-10	0.0013	J q	0.02	ND	U	0.02		U	0.02	
PCB-100	ND	U C93	0.039	ND	U C93	0.039		UC93	0.04	
PCB-101	0.015	J C90 B	0.059	0.023	J B C90 q	0.059	0.00271	JC90q	0.06	0.01355
PCB-102	0.0015	J q C98	0.039	ND	U C98	0.039		UC98	0.04	
PCB-103	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-104	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-105	0.0022	J q	0.02	0.0069	J	0.02		U	0.02	
PCB-106	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-107	0.00078	J q	0.02	0.0019	J q	0.02		U	0.02	
PCB-108	ND	U C	0.039	ND	U C	0.039		UC	0.04	
PCB-109	0.008	J q C86	0.12	0.011	J C86 q	0.12		UC86	0.12	
PCB-11	0.013	J B	0.029	0.052	B	0.029	0.00615	Jq	0.03	0.03075
PCB-110	0.013	J C B	0.039	0.026	J C B	0.039	0.00105	JCq	0.04	0.00525
PCB-111	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-112	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-113	0.015	J C90 B	0.059	0.023	J B C90 q	0.059	0.00271	JC90q	0.06	0.01355
PCB-114	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-115	0.013	J C110 B	0.039	0.026	J B C110	0.039	0.00105	JC110q	0.04	0.00525
PCB-116	ND	U C85	0.059	0.0032	J C85 q	0.059		UC85	0.06	
PCB-117	ND	U C85	0.059	0.0032	J C85 q	0.059		UC85	0.06	
PCB-118	0.0081	J q	0.02	0.014	J	0.02		U	0.02	
PCB-119	0.008	J q C86	0.12	0.011	J C86 q	0.12		UC86	0.12	
PCB-12	ND	U C	0.039	0.0024	J C q	0.039		UC	0.04	
PCB-120	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-121	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-122	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-123	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-124	ND	U C108	0.039	ND	U C108	0.039		UC108	0.04	
PCB-125	0.008	J q C86	0.12	0.011	J C86 q	0.12		UC86	0.12	
PCB-126	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-127	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-128	0.0021	J C	0.039	0.0015	J C q	0.039		UC	0.04	
PCB-129	0.0069	J q C B	0.078	0.0095	J C B q	0.078	0.00085	JC	0.08	0.00427
PCB-13	ND	U C12	0.039	0.0024	J C12 q	0.039		UC12	0.04	
PCB-130	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-131	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-132	0.0026	J	0.02	0.0023	J q	0.02		U	0.02	
PCB-133	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-134	ND	U C	0.039	0.0006	J C q	0.039		UC	0.04	
PCB-135	0.00096	J q C	0.039	0.0043	J C	0.039		UC	0.04	
PCB-136	0.0013	J q	0.02	0.0014	J q	0.02		U	0.02	
PCB-137	ND	U	0.02	ND	U	0.02	0.00044	Jq	0.02	0.00218
PCB-138	0.0069	J q C129 B	0.078	0.0095	J B C129 q	0.078	0.00085	JC129	0.08	0.00427
PCB-139	0.00052	J q C	0.039	ND	U C	0.039		UC	0.04	
PCB-14	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-140	0.00052	J q C139	0.039	ND	U C139	0.039		UC139	0.04	
PCB-141	0.00045	J q	0.02	0.0017	J	0.02		U	0.02	
PCB-142	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-143	ND	U C134	0.039	0.0006	J C134 q	0.039		UC134	0.04	
PCB-144	ND	U	0.02	0.0006	J q	0.02		U	0.02	
PCB-145	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-146	0.0012	J q B	0.02	0.0013	J B q	0.02	0.00037	Jq	0.02	0.001835
PCB-147	0.0073	J C	0.039	0.0067	J C	0.039		UC	0.04	
PCB-148	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-149	0.0073	J C147	0.039	0.0067	J C147	0.039		UC147	0.04	
PCB-15	0.0087	J q	0.02	0.012	J	0.02		U	0.02	
PCB-150	0.00026	J q	0.02	ND	U	0.02		U	0.02	
PCB-151	0.00096	J q C135	0.039	0.0043	J C135	0.039		UC135	0.04	
PCB-152	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-153	0.0051	J q C B	0.039	0.0069	J C B q	0.039	0.00082	JC	0.04	0.004115
PCB-154	ND	U	0.02	0.0005	J q	0.02		U	0.02	
PCB-155	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-156	0.0011	J C	0.039	0.0007	J C q	0.039		UC	0.04	
PCB-157	0.0011	J C156	0.039	0.0007	J C156 q	0.039		UC156	0.04	
PCB-158	0.00087	J	0.02	0.0005	J q	0.02		U	0.02	
PCB-159	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-16	0.011	J B	0.02	0.01	J B	0.02	0.00084	Jq	0.02	0.0042
PCB-160	0.0069	J q C129 B	0.078	0.0095	J B C129 q	0.078	0.00085	JC129	0.08	0.00427
PCB-161	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-162	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-163	0.0069	J q C129 B	0.078	0.0095	J B C129 q	0.078	0.00085	JC129	0.08	0.00427
PCB-164	ND	U	0.02	0.0006	J q	0.02		U	0.02	
PCB-165	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-166	0.0021	J C128	0.039	0.0015	J C128 q	0.039		UC128	0.04	
PCB-167	0.00024	J	0.02	ND	U	0.02		U	0.02	
PCB-168	0.0051	J q C153 B	0.039	0.0069	J B C153 q	0.039	0.00082	JC153	0.04	0.004115
PCB-169	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-17	0.032	B	0.02	0.016	J B	0.02	0.00098	Jq	0.02	0.004915
PCB-170	0.00074	J q	0.02	0.0013	J q	0.02		U	0.02	
PCB-171	ND	U C	0.039	0.0004	J C B q	0.039	0.00028	JCq	0.04	0.001385
PCB-172	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-173	ND	U C171	0.039	0.0004	J C171 B q	0.039	0.00028	JC171q	0.04	0.001385
PCB-174	0.0028	J	0.02	0.0017	J	0.02		U	0.02	
PCB-175	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-176	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-177	0.00045	J q	0.02	ND	U	0.02		U	0.02	
PCB-178	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-179	0.00024	J q	0.02	0.0011	J	0.02		U	0.02	
PCB-18	0.04	C B	0.039	0.028	J C B	0.039	0.00149	JC	0.04	0.00745
PCB-180	0.0038	J C B	0.039	0.003	J C B q	0.039	0.00055	JC	0.04	0.00277
PCB-181	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-182	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-183	0.001	J q C B	0.039	0.0002	J C B q	0.039	0.00046	JCq	0.04	0.002315
PCB-184	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-185	0.001	J q C183 B	0.039	0.0002	J B C183 q	0.039	0.00046	JC183q	0.04	0.002315
PCB-186	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-187	0.0019	J q	0.02	0.0039	J	0.02		U	0.02	
PCB-188	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-189	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-19	0.009	J	0.02	0.0016	J q	0.02		U	0.02	
PCB-190	0.00055	J q	0.02	0.0002	J q	0.02		U	0.02	
PCB-191	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-192	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-193	0.0038	J C180 B	0.039	0.003	J C180 B q	0.039	0.00055	JC180	0.04	0.00277
PCB-194	0.0011	J q	0.02	0.0013	J q	0.02		U	0.02	
PCB-195	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-196	ND	U	0.02	0.0011	J	0.02		U	0.02	
PCB-197	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-198	0.0019	J C	0.039	0.0024	J C	0.039		UC	0.04	
PCB-199	0.0019	J C198	0.039	0.0024	J C198	0.039		UC198	0.04	
PCB-2	ND	U	0.02	ND	U	0.02	0.00058	Jq	0.02	0.002905
PCB-20	0.022	J C B	0.039	0.066	C B	0.039	0.00226	JC	0.04	0.0113
PCB-200	ND	U	0.02	0.0005	J	0.02		U	0.02	
PCB-201	ND	U	0.02	0.0005	J	0.02		U	0.02	
PCB-202	ND	U	0.02	0.0009	J	0.02		U	0.02	
PCB-203	0.0012	J q	0.02	0.0007	J q	0.02		U	0.02	
PCB-204	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-205	ND	U	0.02	ND	U	0.02		U	0.02	

TABLE A-1
ANALYTICAL RESULTS
SDG: 140-32110
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	OU4-22-1101			OU5A-22-1101			MB 140-74950/4-A			
Lab Sample ID	140-32110-2			140-32110-1			Result	Qualifier	Quantitation	Action
Sampling Date	11/01/2022 16:16:00			11/01/2022 15:20:00			[ng/L]		Limit [ng/L]	Level [ng/L]
Matrix	Water			Water						
Dilution Factor	1			1						
Unit	ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL				
PCB-206	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-207	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-208	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-209	0.0037	J	0.02	0.0044	J	0.02		U	0.02	
PCB-21	0.0023	J q C B	0.039	0.011	J C B	0.039	0.00089	JCq	0.04	0.004465
PCB-22	0.002	J q B	0.02	0.012	J B	0.02	0.00084	J	0.02	0.00422
PCB-23	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-24	0.00082	J	0.02	ND	U	0.02		U	0.02	
PCB-25	0.0048	J	0.02	0.0059	J q	0.02		U	0.02	
PCB-26	0.012	J C	0.039	0.011	J C	0.039		UC	0.04	
PCB-27	0.0063	J q	0.02	0.0031	J q	0.02		U	0.02	
PCB-28	0.022	J C20 B	0.039	0.066	B C20	0.039	0.00226	JC20	0.04	0.0113
PCB-29	0.012	J C26	0.039	0.011	J C26	0.039		UC26	0.04	
PCB-3	0.0011	J q B	0.02	0.0041	J B	0.02	0.00089	Jq	0.02	0.00446
PCB-30	0.04	C18 B	0.039	0.028	J C18 B	0.039	0.00149	JC18	0.04	0.00745
PCB-31	0.021	B	0.02	0.034	B	0.02	0.00207	J	0.02	0.01035
PCB-32	0.0033	J	0.02	0.0014	J q	0.02		U	0.02	
PCB-33	0.0023	J q C21 B	0.039	0.011	J B C21	0.039	0.00089	JC21q	0.04	0.004465
PCB-34	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-35	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-36	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-37	0.0062	J B	0.02	0.02	B	0.02	0.00084	J	0.02	0.00422
PCB-38	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-39	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-4	0.026	J	0.029	0.0053	J	0.029		U	0.03	
PCB-40	0.018	J C	0.059	0.022	J C	0.059		UC	0.06	
PCB-41	0.018	J C40	0.059	0.022	J C40	0.059		UC40	0.06	
PCB-42	0.0081	J	0.02	0.018	J	0.02		U	0.02	
PCB-43	0.0016	J q C	0.039	0.0023	J C q	0.039		UC	0.04	
PCB-44	0.038	J C B	0.059	0.065	C B	0.059	0.00316	JCq	0.06	0.0158
PCB-45	0.0086	J C	0.039	0.0082	J C	0.039		UC	0.04	
PCB-46	0.0044	J	0.02	0.0026	J q	0.02		U	0.02	
PCB-47	0.038	J C44 B	0.059	0.065	B C44	0.059	0.00316	JC44q	0.06	0.0158
PCB-48	0.0062	J B	0.02	0.011	J B q	0.02	0.00083	J	0.02	0.004145
PCB-49	0.026	J C B	0.039	0.037	J C B	0.039	0.0012	JC	0.04	0.006
PCB-5	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-50	0.0093	J C	0.039	0.0063	J C	0.039		UC	0.04	
PCB-51	0.0086	J C45	0.039	0.0082	J C45	0.039		UC45	0.04	
PCB-52	0.04	B	0.02	0.06	B	0.02	0.00195	Jq	0.02	0.00975
PCB-53	0.0093	J C50	0.039	0.0063	J C50	0.039		UC50	0.04	
PCB-54	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-55	ND	U	0.02	0.0013	J q	0.02		U	0.02	
PCB-56	0.0069	J B	0.02	0.022	B	0.02	0.00086	Jq	0.02	0.0043
PCB-57	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-58	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-59	0.0054	J C B	0.059	0.008	J C B q	0.059	0.00063	JCq	0.06	0.003145
PCB-6	ND	U	0.02	0.0016	J q	0.02		U	0.02	
PCB-60	0.0018	J q B	0.02	0.0091	J B	0.02	0.00034	Jq	0.02	0.00168
PCB-61	0.026	J C B	0.078	0.065	J C B	0.078	0.00218	JCq	0.08	0.0109
PCB-62	0.0054	J C59 B	0.059	0.008	J B C59 q	0.059	0.00063	JC59q	0.06	0.003145
PCB-63	0.0015	J	0.02	0.0047	J	0.02		U	0.02	
PCB-64	0.012	J	0.02	0.03		0.02		U	0.02	
PCB-65	0.038	J C44 B	0.059	0.065	B C44	0.059	0.00316	JC44q	0.06	0.0158
PCB-66	0.014	J B	0.02	0.049	B	0.02	0.00119	J	0.02	0.00595
PCB-67	0.0011	J	0.02	0.0012	J q	0.02		U	0.02	
PCB-68	0.00091	J q	0.02	0.0009	J q	0.02		U	0.02	
PCB-69	0.026	J C49 B	0.039	0.037	J B C49	0.039	0.0012	JC49	0.04	0.006
PCB-7	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-70	0.026	J C61 B	0.078	0.065	J C61 B	0.078	0.00218	JC61q	0.08	0.0109
PCB-71	0.018	J C40	0.059	0.022	J C40	0.059		UC40	0.06	
PCB-72	0.00074	J	0.02	0.0007	J q	0.02		U	0.02	
PCB-73	0.0016	J q C43	0.039	0.0023	J C43 q	0.039		UC43	0.04	
PCB-74	0.026	J C61 B	0.078	0.065	J C61 B	0.078	0.00218	JC61q	0.08	0.0109
PCB-75	0.0054	J C59 B	0.059	0.008	J B C59 q	0.059	0.00063	JC59q	0.06	0.003145
PCB-76	0.026	J C61 B	0.078	0.065	J C61 B	0.078	0.00218	JC61q	0.08	0.0109
PCB-77	0.0027	J	0.02	0.0055	J	0.02		U	0.02	
PCB-78	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-79	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-8	0.0031	J B	0.029	0.006	J B	0.029	0.00195	Jq	0.03	0.00975
PCB-80	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-81	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-82	ND	U	0.02	0.0051	J	0.02		U	0.02	
PCB-83	0.0084	J q C	0.039	0.014	J C q	0.039		UC	0.04	
PCB-84	0.0051	J q B	0.02	0.0073	J B q	0.02	0.00065	Jq	0.02	0.003245
PCB-85	ND	U C	0.059	0.0032	J C q	0.059		UC	0.06	
PCB-86	0.008	J q C	0.12	0.011	J C q	0.12		UC	0.12	
PCB-87	0.008	J q C86	0.12	0.011	J C86 q	0.12		UC86	0.12	
PCB-88	0.0022	J q C	0.039	0.006	J C	0.039		UC	0.04	
PCB-89	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-9	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-90	0.015	J C B	0.059	0.023	J C B q	0.059	0.00271	JCq	0.06	0.01355
PCB-91	0.0022	J q C88	0.039	0.006	J C88	0.039		UC88	0.04	
PCB-92	0.0043	J q	0.02	0.0063	J q	0.02		U	0.02	
PCB-93	ND	U C	0.039	ND	U C	0.039		UC	0.04	
PCB-94	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-95	0.014	J B	0.02	0.017	J B	0.02	0.00097	Jq	0.02	0.00485
PCB-96	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-97	0.008	J q C86	0.12	0.011	J C86 q	0.12		UC86	0.12	
PCB-98	0.0015	J q C	0.039	ND	U C	0.039		UC	0.04	
PCB-99	0.0084	J q C83	0.039	0.014	J C83 q	0.039		UC83	0.04	

NOTES:

B : Compound was found in the blank and sample.
C : The compound co-eluted with other compounds
C108 : The compound co-eluted with PCB-108
C110 : The compound co-eluted with PCB-110
C12 : The compound co-eluted with PCB-12
C128 : The compound co-eluted with PCB-128
C129 : The compound co-eluted with PCB-129
C134 : The compound co-eluted with PCB-134
C135 : The compound co-eluted with PCB-135
C139 : The compound co-eluted with PCB-139
C147 : The compound co-eluted with PCB-147
C153 : The compound co-eluted with PCB-153
C156 : The compound co-eluted with PCB-156
C171 : The compound co-eluted with PCB-171
C18 : The compound co-eluted with PCB-18
C180 : The compound co-eluted with PCB-180
C183 : The compound co-eluted with PCB-183
C198 : The compound co-eluted with PCB-198
C20 : The compound co-eluted with PCB-20
C21 : The compound co-eluted with PCB-21
C26 : The compound co-eluted with PCB-26
C40 : The compound co-eluted with PCB-40
C43 : The compound co-eluted with PCB-43
C44 : The compound co-eluted with PCB-44
C45 : The compound co-eluted with PCB-45
C49 : The compound co-eluted with PCB-49
C50 : The compound co-eluted with PCB-50
C59 : The compound co-eluted with PCB-59
C61 : The compound co-eluted with PCB-61
C83 : The compound co-eluted with PCB-83
C85 : The compound co-eluted with PCB-85
C86 : The compound co-eluted with PCB-86
C88 : The compound co-eluted with PCB-88
C90 : The compound co-eluted with PCB-90
C93 : The compound co-eluted with PCB-93
C98 : The compound co-eluted with PCB-98

Sample concentration is less than 5 times the blank concentration (Action Level).

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

q : The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

U : Indicates the analyte was analyzed for but not detected.

TABLE A-2
ANALYTICAL RESULTS
SDG: 140-32981
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	OU2A-22-1102			OU2B-22-1102			OU2C-22-1103			MB 140-76333/11-A			
Lab Sample ID	140-32981-5			140-32981-6			140-32981-7			Result	Qualifier	Quantitation	Action
Sampling Date	11/02/2022 14:04:00			11/02/2022 15:34:00			11/03/2022 08:25:00			[ng/L]		Limit [ng/L]	Level [ng/L]
Matrix	Water			Water			Water						
Dilution Factor	1			1			1						
Unit	ng/l			ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL	Result	Q	RL				
PCB-1	0.0012	J B	0.02	0.0013	J q B	0.02	0.0011	J B	0.02	0.000322	Jq	0.02	0.00161
PCB-10	ND	U	0.02	0.0028	J q	0.02	0.00081	J q	0.02		U	0.02	
PCB-100	ND	U C93	0.039	ND	U C93	0.039	ND	U C93	0.039		UC93	0.04	
PCB-101	0.012	J C90 B	0.059	0.013	J C90 B	0.059	0.014	J C90 B	0.059	0.00263	JC90	0.06	0.01315
PCB-102	ND	U C98	0.039	ND	U C98	0.039	ND	U C98	0.039		UC98	0.04	
PCB-103	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-104	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-105	0.0019	J q	0.02	0.0027	J q	0.02	0.0018	J q	0.02		U	0.02	
PCB-106	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-107	ND	U	0.02	0.0013	J q	0.02	ND	U	0.02		U	0.02	
PCB-108	ND	U C	0.039	ND	U C	0.039	0.00093	J C	0.039		UC	0.04	
PCB-109	0.0056	J q C86 B	0.12	0.007	J q C86 B	0.12	0.0064	J q C86 B	0.12	0.00175	JC86q	0.12	0.00875
PCB-11	0.018	J B	0.029	0.011	J B	0.029	0.012	J q B	0.029	0.00506	Jq	0.03	0.0253
PCB-110	0.01	J C B	0.039	0.011	J q C B	0.039	0.011	J C B	0.039	0.00189	JC	0.04	0.00945
PCB-111	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-112	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-113	0.012	J C90 B	0.059	0.013	J C90 B	0.059	0.014	J C90 B	0.059	0.00263	JC90	0.06	0.01315
PCB-114	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-115	0.01	J C110 B	0.039	0.011	J q C110 B	0.039	0.011	J C110 B	0.039	0.00189	JC110	0.04	0.00945
PCB-116	0.0025	J q C85 B	0.059	0.00065	J q C85 B	0.059	0.0016	J q C85 B	0.059	0.000788	JC85q	0.06	0.00394
PCB-117	0.0025	J q C85 B	0.059	0.00065	J q C85 B	0.059	0.0016	J q C85 B	0.059	0.000788	JC85q	0.06	0.00394
PCB-118	0.0049	J B	0.02	0.0053	J q B	0.02	0.0065	J B	0.02	0.000977	Jq	0.02	0.004885
PCB-119	0.0056	J q C86 B	0.12	0.007	J q C86 B	0.12	0.0064	J q C86 B	0.12	0.00175	JC86q	0.12	0.00875
PCB-12	ND	U C	0.039	ND	U C	0.039	ND	U C	0.039		UC	0.04	
PCB-120	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-121	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-122	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-123	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-124	ND	U C108	0.039	ND	U C108	0.039	0.00093	J C108	0.039		UC108	0.04	
PCB-125	0.0056	J q C86 B	0.12	0.007	J q C86 B	0.12	0.0064	J q C86 B	0.12	0.00175	JC86q	0.12	0.00875
PCB-126	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-127	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-128	0.0012	J C	0.039	0.0015	J q C	0.039	0.0013	J C	0.039		UC	0.04	
PCB-129	0.006	J q C B	0.078	0.0074	J C B	0.078	0.0071	J q C B	0.078	0.00178	JCq	0.08	0.0089
PCB-13	ND	U C12	0.039	ND	U C12	0.039	ND	U C12	0.039		UC12	0.04	
PCB-130	ND	U	0.02	0.00077	J q	0.02	0.001	J	0.02		U	0.02	
PCB-131	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-132	0.0019	J q	0.02	0.0017	J q	0.02	0.0021	J q	0.02		U	0.02	
PCB-133	ND	U	0.02	0.00041	J q	0.02	ND	U	0.02		U	0.02	
PCB-134	ND	U C	0.039	ND	U C	0.039	0.00089	J C	0.039		UC	0.04	
PCB-135	0.0022	J q C	0.039	0.0026	J q C	0.039	0.0019	J q C	0.039		UC	0.04	
PCB-136	0.00083	J q	0.02	0.0012	J q	0.02	0.0006	J q	0.02		U	0.02	
PCB-137	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-138	0.006	J q C129 B	0.078	0.0074	J C129 B	0.078	0.0071	J q C129 B	0.078	0.00178	JC129q	0.08	0.0089
PCB-139	ND	U C	0.039	0.00047	J C	0.039	ND	U C	0.039		UC	0.04	
PCB-14	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-140	ND	U C139	0.039	0.00047	J C139	0.039	ND	U C139	0.039		UC139	0.04	
PCB-141	0.0015	J B	0.02	0.0014	J q B	0.02	0.0011	J q B	0.02	0.000724	J	0.02	0.00362
PCB-142	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-143	ND	U C134	0.039	ND	U C134	0.039	0.00089	J C134	0.039		UC134	0.04	
PCB-144	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-145	ND	U	0.02	ND	U	0.02	ND	U	0.02	0.000593	J	0.02	0.002965
PCB-146	0.0013	J	0.02	0.002	J	0.02	0.0013	J	0.02		U	0.02	
PCB-147	0.0056	J C B	0.039	0.0063	J C B	0.039	0.0054	J C B	0.039	0.000901	JCq	0.04	0.004505
PCB-148	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-149	0.0056	J C147 B	0.039	0.0063	J C147 B	0.039	0.0054	J C147 B	0.039	0.000901	JC147q	0.04	0.004505
PCB-15	0.0044	J	0.02	0.0047	J	0.02	0.0052	J	0.02		U	0.02	
PCB-150	ND	U	0.02	0.00038	J q	0.02	ND	U	0.02		U	0.02	
PCB-151	0.0022	J q C135	0.039	0.0026	J q C135	0.039	0.0019	J q C135	0.039		UC135	0.04	
PCB-152	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-153	0.0046	J C B	0.039	0.0057	J C B	0.039	0.006	J C B	0.039	0.00117	JCq	0.04	0.00585
PCB-154	ND	U	0.02	0.0006	J q	0.02	ND	U	0.02		U	0.02	
PCB-155	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-156	0.00063	J q C	0.039	0.0014	J C	0.039	0.0011	J C	0.039		UC	0.04	
PCB-157	0.00063	J q C156	0.039	0.0014	J C156	0.039	0.0011	J C156	0.039		UC156	0.04	
PCB-158	0.00049	J q	0.02	0.00066	J	0.02	0.0004	J q	0.02		U	0.02	
PCB-159	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-16	0.0026	J q	0.02	0.0066	J q	0.02	0.0066	J q	0.02		U	0.02	
PCB-160	0.006	J q C129 B	0.078	0.0074	J C129 B	0.078	0.0071	J q C129 B	0.078	0.00178	JC129q	0.08	0.0089
PCB-161	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-162	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-163	0.006	J q C129 B	0.078	0.0074	J C129 B	0.078	0.0071	J q C129 B	0.078	0.00178	JC129q	0.08	0.0089
PCB-164	ND	U	0.02	0.00065	J q	0.02	0.00052	J q	0.02		U	0.02	
PCB-165	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-166	0.0012	J C128	0.039	0.0015	J q C128	0.039	0.0013	J C128	0.039		UC128	0.04	
PCB-167	ND	U	0.02	ND	U	0.02	0.00036	J	0.02		U	0.02	
PCB-168	0.0046	J C153 B	0.039	0.0057	J C153 B	0.039	0.006	J C153 B	0.039	0.00117	JC153q	0.04	0.00585
PCB-169	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-17	0.01	J B	0.02	0.02	B	0.02	0.014	J q B	0.02	0.000792	J	0.02	0.00396
PCB-170	0.0023	J q B	0.02	0.00069	J q B	0.02	0.00064	J q B	0.02	0.000456	Jq	0.02	0.00228
PCB-171	0.0005	J q C	0.039	ND	U C	0.039	0.0003	J q C	0.039		UC	0.04	
PCB-172	ND	U	0.02	ND	U	0.02	0.0003	J q	0.02		U	0.02	
PCB-173	0.0005	J q C171	0.039	ND	U C171	0.039	0.0003	J q C171	0.039		UC171	0.04	
PCB-174	0.0014	J q B	0.02	0.0011	J q B	0.02	0.0018	J B	0.02	0.000797	Jq	0.02	0.003985
PCB-175	ND	U	0.02	0.00032	J q	0.02	ND	U	0.02		U	0.02	
PCB-176	0.000094	J q	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-177	0.00095	J q	0.02	0.0009	J q	0.02	0.00071	J q	0.02		U	0.02	
PCB-178	0.00039	J q	0.02	ND	U	0.02	0.00012	J q	0.02		U	0.02	
PCB-179	0.00043	J q	0.02	0.00087	J q	0.02	0.00055	J q	0.02		U	0.02	
PCB-18	0.01	J C B	0.039	ND	U C	0.039	0.017	J C B	0.039	0.000899	JCq	0.04	0.004495
PCB-180	0.0043	J C B	0.039	0.0031	J C B	0.039	0.0024	J q C B	0.039	0.000479	JCq	0.04	0.002395
PCB-181	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-182	ND	U	0.02	ND	U	0.02	0.000079	J q	0.02		U	0.02	
PCB-183	0.0014	J q C B	0.039	0.00079	J q C B	0.039	0.0013	J q C B	0.039	0.00104	JCq	0.04	0.0052
PCB-184	ND	U	0.02	ND	U	0.02	0.000075	J q	0.02		U	0.02	
PCB-185	0.0014	J q C183 B	0.039	0.00079	J q C183 B	0.039	0.0013	J q C183 B	0.039	0.00104	JC183q	0.04	0.0052
PCB-186	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-187	0.0019	J q B	0.02	0.002	J q B	0.02	0.0024	J B	0.02	0.000424	Jq	0.02	0.00212
PCB-188	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-189	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-19	0.0027	J q	0.02	0.0033	J q	0.02	0.0033	J q	0.02		U	0.02	
PCB-190	0.00032	J q	0.02	ND	U	0.02	0.0003	J q	0.02		U	0.02	
PCB-191	0.00017	J q	0.02	0.00023	J q	0.02	ND	U	0.02		U	0.02	
PCB-192	ND	U	0.02	0.00048	J q B	0.02	ND	U	0.02	0.000703	J	0.02	0.003515
PCB-193	0.0043	J C180 B	0.039	0.0031	J C180 B	0.039	0.0024	J q C180 B	0.039	0.000479	JC180q	0.04	0.002395
PCB-194	0.00073	J q	0.02	0.00049	J q	0.02	ND	U	0.02		U	0.02	
PCB-195	ND	U	0.02	0.00058	J q	0.02	ND	U	0.02		U	0.02	
PCB-196	ND	U	0.02	ND	U	0.02	0.0005	J q	0.02		U	0.02	
PCB-197	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-198	0.00046	J q C	0.039	0.00062	J q C	0.039	0.0014	J C	0.039		UC	0.04	
PCB-199	0.00046	J q C198	0.039	0.00062	J q C198	0.039	0.0014	J C198	0.039		UC198	0.04	
PCB-2	0.0011	J	0.02	0.0011	J q	0.02	0.00069	J q	0.02		U	0.02	
PCB-20	0.012	J C B	0.039	0.016	J C B	0.039	0.013	J C B	0.039	0.00164	JC	0.04	0.0082
PCB-200	ND	U	0.02	0.00034	J q	0.02	ND	U	0.02		U	0.02	
PCB-201	ND	U	0.02	ND	U	0.02	0.00033	J q	0.02		U	0.02	
PCB-202	0.00023	J q	0.02	ND	U	0.02	0.00032	J q	0.02		U	0.02	
PCB-203	0.00024	J q	0.02	0.00041	J q	0.02	0.0002	J q	0.02		U	0.02	
PCB-204	ND	U	0.02	ND	U	0.02	ND	U	0.02	0.000484	Jq	0.02	0.00242
PCB-205	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	

TABLE A-2
ANALYTICAL RESULTS
SDG: 140-32981
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	**OU2A-22-1102**			**OU2B-22-1102**			**OU2C-22-1103**			**MB 140-76333/11-A**			
Lab Sample ID	140-32981-5			140-32981-6			140-32981-7			Result	Qualifier	Quantitation	Action
Sampling Date	11/02/2022 14:04:00			11/02/2022 15:34:00			11/03/2022 08:25:00			[ng/L]		Limit [ng/L]	Level [ng/L]
Matrix	Water			Water			Water						
Dilution Factor	1			1			1						
Unit	ng/l			ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL	Result	Q	RL				
PCB-206	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-207	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-208	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-209	0.00037	J q	0.02	0.00064	J q	0.02	0.00072	J q	0.02		U	0.02	
PCB-21	0.002	J q C B	0.039	0.0039	J C B	0.039	0.0022	J q C B	0.039	0.00112	JCq	0.04	0.0056
PCB-22	0.0015	J q	0.02	0.0025	J q	0.02	0.0019	J q	0.02		U	0.02	
PCB-23	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-24	ND	U	0.02	0.00055	J q	0.02	0.0007	J	0.02		U	0.02	
PCB-25	0.002	J	0.02	0.0027	J q	0.02	0.0019	J q	0.02		U	0.02	
PCB-26	0.0032	J q C	0.039	0.0062	J C	0.039	0.0048	J C	0.039		UC	0.04	
PCB-27	0.0034	J	0.02	0.004	J q	0.02	0.0041	J q	0.02		U	0.02	
PCB-28	0.012	J C20 B	0.039	0.016	J C20 B	0.039	0.013	J C20 B	0.039	0.00164	JC20	0.04	0.0082
PCB-29	0.0032	J q C26	0.039	0.0062	J C26	0.039	0.0048	J C26	0.039		UC26	0.04	
PCB-3	0.00072	J q	0.02	0.0015	J q	0.02	ND	U	0.02		U	0.02	
PCB-30	0.01	J C18 B	0.039	ND	U C18	0.039	0.017	J C18 B	0.039	0.000899	JC18q	0.04	0.004495
PCB-31	0.0072	J B	0.02	0.014	J B	0.02	0.011	J B	0.02	0.0013	J	0.02	0.0065
PCB-32	0.0014	J q B	0.02	0.0015	J q B	0.02	0.0017	J q B	0.02	0.000692	J	0.02	0.00346
PCB-33	0.002	J q C21 B	0.039	0.0039	J C21 B	0.039	0.0022	J q C21 B	0.039	0.00112	JC21q	0.04	0.0056
PCB-34	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-35	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-36	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-37	0.0018	J q	0.02	0.0046	J	0.02	0.003	J	0.02		U	0.02	
PCB-38	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-39	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-4	0.012	J	0.029	0.013	J q	0.029	0.016	J	0.029		U	0.03	
PCB-40	0.0057	J C	0.059	0.012	J C	0.059	0.0083	J q C	0.059		UC	0.06	
PCB-41	0.0057	J C40	0.059	0.012	J C40	0.059	0.0083	J q C40	0.059		UC40	0.06	
PCB-42	0.0036	J	0.02	0.0057	J	0.02	0.0053	J	0.02		U	0.02	
PCB-43	0.00073	J C	0.039	0.0011	J q C	0.039	0.0017	J q C	0.039		UC	0.04	
PCB-44	0.019	J C B	0.059	0.027	J C B	0.059	0.024	J C B	0.059	0.00473	JC	0.06	0.02365
PCB-45	0.0028	J C B	0.039	0.0044	J q C B	0.039	0.0038	J C B	0.039	0.00126	JCq	0.04	0.0063
PCB-46	0.0019	J q	0.02	0.0023	J	0.02	0.0023	J	0.02		U	0.02	
PCB-47	0.019	J C44 B	0.059	0.027	J C44 B	0.059	0.024	J C44 B	0.059	0.00473	JC44	0.06	0.02365
PCB-48	0.0014	J q	0.02	0.0035	J	0.02	0.003	J	0.02		U	0.02	
PCB-49	0.011	J C	0.039	0.016	J C	0.039	0.015	J C	0.039		UC	0.04	
PCB-5	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-50	0.0041	J q C	0.039	0.0067	J C	0.039	0.0043	J q C	0.039		UC	0.04	
PCB-51	0.0028	J C45 B	0.039	0.0044	J q C45 B	0.039	0.0038	J C45 B	0.039	0.00126	JC45q	0.04	0.0063
PCB-52	0.017	J B	0.02	0.027	B	0.02	0.021	B	0.02	0.00132	Jq	0.02	0.0066
PCB-53	0.0041	J q C50	0.039	0.0067	J C50	0.039	0.0043	J q C50	0.039		UC50	0.04	
PCB-54	ND	U	0.02	ND	U	0.02	0.00032	J q	0.02		U	0.02	
PCB-55	ND	U	0.02	0.0011	J	0.02	ND	U	0.02		U	0.02	
PCB-56	0.0021	J q	0.02	0.0044	J q	0.02	0.0038	J	0.02		U	0.02	
PCB-57	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-58	ND	U	0.02	ND	U	0.02	0.00051	J q	0.02		U	0.02	
PCB-59	0.0011	J q C	0.059	0.004	J C	0.059	0.0026	J C	0.059		UC	0.06	
PCB-6	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-60	0.00076	J q	0.02	0.0018	J q	0.02	0.0012	J q	0.02		U	0.02	
PCB-61	0.012	J C B	0.078	0.017	J C B	0.078	0.016	J C B	0.078	0.00239	JC	0.08	0.01195
PCB-62	0.0011	J q C59	0.059	0.004	J C59	0.059	0.0026	J C59	0.059		UC59	0.06	
PCB-63	ND	U	0.02	0.00079	J q	0.02	0.001	J q	0.02		U	0.02	
PCB-64	0.0047	J q	0.02	0.009	J q	0.02	0.0068	J	0.02		U	0.02	
PCB-65	0.019	J C44 B	0.059	0.027	J C44 B	0.059	0.024	J C44 B	0.059	0.00473	JC44	0.06	0.02365
PCB-66	0.0078	J B	0.02	0.0088	J q B	0.02	0.0094	J B	0.02	0.00078	Jq	0.02	0.0039
PCB-67	ND	U	0.02	0.00084	J q	0.02	0.00039	J q	0.02		U	0.02	
PCB-68	0.00039	J q	0.02	0.00058	J q	0.02	0.00092	J q	0.02		U	0.02	
PCB-69	0.011	J C49	0.039	0.016	J C49	0.039	0.015	J C49	0.039		UC49	0.04	
PCB-7	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-70	0.012	J C61 B	0.078	0.017	J C61 B	0.078	0.016	J C61 B	0.078	0.00239	JC61	0.08	0.01195
PCB-71	0.0057	J C40	0.059	0.012	J C40	0.059	0.0083	J q C40	0.059		UC40	0.06	
PCB-72	ND	U	0.02	0.00043	J q	0.02	ND	U	0.02		U	0.02	
PCB-73	0.00073	J C43	0.039	0.0011	J q C43	0.039	0.0017	J q C43	0.039		UC43	0.04	
PCB-74	0.012	J C61 B	0.078	0.017	J C61 B	0.078	0.016	J C61 B	0.078	0.00239	JC61	0.08	0.01195
PCB-75	0.0011	J q C59	0.059	0.004	J C59	0.059	0.0026	J C59	0.059		UC59	0.06	
PCB-76	0.012	J C61 B	0.078	0.017	J C61 B	0.078	0.016	J C61 B	0.078	0.00239	JC61	0.08	0.01195
PCB-77	ND	U	0.02	0.0014	J	0.02	ND	U	0.02		U	0.02	
PCB-78	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-79	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-8	0.002	J	0.029	0.0023	J	0.029	0.0017	J q	0.029		U	0.03	
PCB-80	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-81	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-82	0.00097	J q	0.02	0.0016	J	0.02	0.00089	J q	0.02		U	0.02	
PCB-83	0.0051	J C	0.039	0.0089	J C	0.039	0.0068	J q C	0.039		UC	0.04	
PCB-84	0.0023	J q	0.02	0.0024	J q	0.02	0.0043	J	0.02		U	0.02	
PCB-85	0.0025	J q C B	0.059	0.00065	J q C B	0.059	0.0016	J q C B	0.059	0.000788	JCq	0.06	0.00394
PCB-86	0.0056	J q C B	0.12	0.007	J q C B	0.12	0.0064	J q C B	0.12	0.00175	JCq	0.12	0.00875
PCB-87	0.0056	J q C86 B	0.12	0.007	J q C86 B	0.12	0.0064	J q C86 B	0.12	0.00175	JC86q	0.12	0.00875
PCB-88	0.0021	J q C	0.039	0.0025	J q C	0.039	0.0017	J q C	0.039		UC	0.04	
PCB-89	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-9	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-90	0.012	J C B	0.059	0.013	J C B	0.059	0.014	J C B	0.059	0.00263	JC	0.06	0.01315
PCB-91	0.0021	J q C88	0.039	0.0025	J q C88	0.039	0.0017	J q C88	0.039		UC88	0.04	
PCB-92	0.0024	J q	0.02	0.002	J q	0.02	0.0015	J q	0.02		U	0.02	
PCB-93	ND	U C	0.039	ND	U C	0.039	ND	U C	0.039		UC	0.04	
PCB-94	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-95	0.0089	J q	0.02	0.0092	J q	0.02	0.011	J	0.02		U	0.02	
PCB-96	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-97	0.0056	J q C86 B	0.12	0.007	J q C86 B	0.12	0.0064	J q C86 B	0.12	0.00175	JC86q	0.12	0.00875
PCB-98	ND	U C	0.039	ND	U C	0.039	ND	U C	0.039		UC	0.04	
PCB-99	0.0051	J C83	0.039	0.0089	J C83	0.039	0.0068	J q C83	0.039		UC83	0.04	

NOTES:

B : Compound was found in the blank and sample.
C : The compound co-eluted with other compounds
C108 : The compound co-eluted with PCB-108
C110 : The compound co-eluted with PCB-110
C12 : The compound co-eluted with PCB-12
C128 : The compound co-eluted with PCB-128
C129 : The compound co-eluted with PCB-129
C134 : The compound co-eluted with PCB-134
C135 : The compound co-eluted with PCB-135
C139 : The compound co-eluted with PCB-139
C147 : The compound co-eluted with PCB-147
C153 : The compound co-eluted with PCB-153
C156 : The compound co-eluted with PCB-156
C171 : The compound co-eluted with PCB-171
C18 : The compound co-eluted with PCB-18
C180 : The compound co-eluted with PCB-180
C183 : The compound co-eluted with PCB-183
C198 : The compound co-eluted with PCB-198
C20 : The compound co-eluted with PCB-20
C21 : The compound co-eluted with PCB-21
C26 : The compound co-eluted with PCB-26
C40 : The compound co-eluted with PCB-40
C43 : The compound co-eluted with PCB-43
C44 : The compound co-eluted with PCB-44
C45 : The compound co-eluted with PCB-45
C49 : The compound co-eluted with PCB-49
C50 : The compound co-eluted with PCB-50
C59 : The compound co-eluted with PCB-59
C61 : The compound co-eluted with PCB-61
C83 : The compound co-eluted with PCB-83
C85 : The compound co-eluted with PCB-85
C86 : The compound co-eluted with PCB-86
C88 : The compound co-eluted with PCB-88
C90 : The compound co-eluted with PCB-90
C93 : The compound co-eluted with PCB-93
C98 : The compound co-eluted with PCB-98

Sample concentration is less than 5 times the blank concentration (Action Level).

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

q : The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

U : Indicates the analyte was analyzed for but not detected.

TABLE A-3
ANALYTICAL RESULTS
SDG: 140-32981
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	OU3-22-1103			OU3D-22-1103			LW-22-1102			MB 140-76333/11-A			
Lab Sample ID	140-32981-8			140-32981-9			140-32981-1			Result [ng/L]	Qualifier	Quantitation Limit [ng/L]	Action Level [ng/L]
Sampling Date	11/03/2022 10:46:00			11/03/2022 10:46:00			11/02/2022 10:37:00						
Matrix	Water			Water			Water						
Dilution Factor	1			1			1						
Unit	ng/l			ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL	Result	Q	RL				
PCB-1	ND	U	0.02	0.001	J q B	0.02	0.00076	J B q	0.02	0.000322	Jq	0.02	0.00161
PCB-10	0.0019	J	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-100	ND	U C93	0.039	0.00081	J q C93	0.039	ND	U C93	0.039		UC93	0.04	
PCB-101	0.012	J C90 B	0.059	0.013	J C90 B	0.059	0.0039	J B C90 q	0.059	0.00263	JC90	0.06	0.01315
PCB-102	0.001	J q C98	0.039	0.00056	J q C98	0.039	ND	U C98	0.039		UC98	0.04	
PCB-103	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-104	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-105	0.002	J q	0.02	0.0021	J	0.02	ND	U	0.02		U	0.02	
PCB-106	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-107	ND	U	0.02	0.00055	J q	0.02	ND	U	0.02		U	0.02	
PCB-108	ND	U C	0.039	ND	U C	0.039	ND	U C	0.039		UC	0.04	
PCB-109	0.0065	J q C86 B	0.12	0.0078	J q C86 B	0.12	0.0038	J B C86	0.12	0.00175	JC86q	0.12	0.00875
PCB-11	0.0073	J q B	0.029	0.0091	J q B	0.029	0.015	J B	0.029	0.00506	Jq	0.03	0.0253
PCB-110	0.011	J C B	0.039	0.011	J C B	0.039	0.0053	J C B	0.039	0.00189	JC	0.04	0.00945
PCB-111	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-112	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-113	0.012	J C90 B	0.059	0.013	J C90 B	0.059	0.0039	J B C90 q	0.059	0.00263	JC90	0.06	0.01315
PCB-114	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-115	0.011	J C110 B	0.039	0.011	J C110 B	0.039	0.0053	J B C110	0.039	0.00189	JC110	0.04	0.00945
PCB-116	0.0024	J q C85 B	0.059	0.0024	J q C85 B	0.059	0.0011	J C85 B q	0.059	0.000788	JC85q	0.06	0.00394
PCB-117	0.0024	J q C85 B	0.059	0.0024	J q C85 B	0.059	0.0011	J C85 B q	0.059	0.000788	JC85q	0.06	0.00394
PCB-118	0.0052	J B	0.02	0.0063	J B	0.02	0.0022	J B	0.02	0.000977	Jq	0.02	0.004885
PCB-119	0.0065	J q C86 B	0.12	0.0078	J q C86 B	0.12	0.0038	J B C86	0.12	0.00175	JC86q	0.12	0.00875
PCB-12	ND	U C	0.039	ND	U C	0.039	ND	U C	0.039		UC	0.04	
PCB-120	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-121	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-122	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-123	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-124	ND	U C108	0.039	ND	U C108	0.039	ND	U C108	0.039		UC108	0.04	
PCB-125	0.0065	J q C86 B	0.12	0.0078	J q C86 B	0.12	0.0038	J B C86	0.12	0.00175	JC86q	0.12	0.00875
PCB-126	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-127	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-128	0.00073	J q C	0.039	0.00099	J q C	0.039	0.00079	J C q	0.039		UC	0.04	
PCB-129	0.0062	J C B	0.078	0.0074	J C B	0.078	0.0038	J C B q	0.078	0.00178	JCq	0.08	0.0089
PCB-13	ND	U C12	0.039	ND	U C12	0.039	ND	U C12	0.039		UC12	0.04	
PCB-130	0.00063	J	0.02	0.00085	J q	0.02	ND	U	0.02		U	0.02	
PCB-131	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-132	0.0026	J	0.02	0.0015	J q	0.02	ND	U	0.02		U	0.02	
PCB-133	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-134	0.001	J q C	0.039	ND	U C	0.039	ND	U C	0.039		UC	0.04	
PCB-135	0.0022	J q C	0.039	0.0031	J C	0.039	0.0007	J C q	0.039		UC	0.04	
PCB-136	0.0014	J	0.02	0.0011	J q	0.02	0.00053	J q	0.02		U	0.02	
PCB-137	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-138	0.0062	J C129 B	0.078	0.0074	J C129 B	0.078	0.0038	J B C129 q	0.078	0.00178	JC129q	0.08	0.0089
PCB-139	ND	U C	0.039	0.00033	J q C	0.039	ND	U C	0.039		UC	0.04	
PCB-14	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-140	ND	U C139	0.039	0.00033	J q C139	0.039	ND	U C139	0.039		UC139	0.04	
PCB-141	0.001	J B	0.02	0.0008	J B	0.02	ND	U	0.02	0.000724	J	0.02	0.00362
PCB-142	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-143	0.001	J q C134	0.039	ND	U C134	0.039	ND	U C134	0.039		UC134	0.04	
PCB-144	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-145	ND	U	0.02	ND	U	0.02	ND	U	0.02	0.000593	J	0.02	0.002965
PCB-146	0.0014	J	0.02	0.0015	J	0.02	0.0008	J q	0.02		U	0.02	
PCB-147	0.0064	J C B	0.039	0.0056	J C B	0.039	0.0039	J C B	0.039	0.000901	JCq	0.04	0.004505
PCB-148	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-149	0.0064	J C147 B	0.039	0.0056	J C147 B	0.039	0.0039	J B C147	0.039	0.000901	JC147q	0.04	0.004505
PCB-15	0.0046	J q	0.02	0.0072	J	0.02	ND	U	0.02		U	0.02	
PCB-150	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-151	0.0022	J q C135	0.039	0.0031	J C135	0.039	0.0007	J C135 q	0.039		UC135	0.04	
PCB-152	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-153	0.0054	J C B	0.039	0.0058	J C B	0.039	0.0032	J C B	0.039	0.00117	JCq	0.04	0.00585
PCB-154	0.00025	J q	0.02	0.00023	J q	0.02	ND	U	0.02		U	0.02	
PCB-155	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-156	0.00065	J C	0.039	0.00099	J C	0.039	0.00084	J C	0.039		UC	0.04	
PCB-157	0.00065	J C156	0.039	0.00099	J C156	0.039	0.00084	J C156	0.039		UC156	0.04	
PCB-158	0.00079	J	0.02	0.00058	J q	0.02	0.00042	J	0.02		U	0.02	
PCB-159	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-16	0.0071	J	0.02	0.0073	J	0.02	0.00077	J q	0.02		U	0.02	
PCB-160	0.0062	J C129 B	0.078	0.0074	J C129 B	0.078	0.0038	J B C129 q	0.078	0.00178	JC129q	0.08	0.0089
PCB-161	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-162	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-163	0.0062	J C129 B	0.078	0.0074	J C129 B	0.078	0.0038	J B C129 q	0.078	0.00178	JC129q	0.08	0.0089
PCB-164	0.00057	J	0.02	0.00029	J q	0.02	ND	U	0.02		U	0.02	
PCB-165	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-166	0.00073	J q C128	0.039	0.00099	J q C128	0.039	0.00079	J C128 q	0.039		UC128	0.04	
PCB-167	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-168	0.0054	J C153 B	0.039	0.0058	J C153 B	0.039	0.0032	J B C153	0.039	0.00117	JC153q	0.04	0.00585
PCB-169	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-17	0.019	J B	0.02	0.022	B	0.02	ND	U	0.02	0.000792	J	0.02	0.00396
PCB-170	0.001	J B	0.02	0.00065	J q B	0.02	0.00088	J B	0.02	0.000456	Jq	0.02	0.00228
PCB-171	0.00021	J q C	0.039	0.00017	J q C	0.039	ND	U C	0.039		UC	0.04	
PCB-172	ND	U	0.02	0.00021	J q	0.02	ND	U	0.02		U	0.02	
PCB-173	0.00021	J q C171	0.039	0.00017	J q C171	0.039	ND	U C171	0.039		UC171	0.04	
PCB-174	0.0012	J q B	0.02	0.0014	J B	0.02	ND	U	0.02	0.000797	Jq	0.02	0.003985
PCB-175	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-176	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-177	0.0009	J	0.02	0.00032	J q	0.02	0.00033	J q	0.02		U	0.02	
PCB-178	0.00021	J q	0.02	0.00027	J q	0.02	0.00047	J	0.02		U	0.02	
PCB-179	0.00058	J q	0.02	0.00034	J q	0.02	0.00027	J q	0.02		U	0.02	
PCB-18	0.021	J C B	0.039	0.02	J C B	0.039	0.0014	J C B q	0.039	0.000899	JCq	0.04	0.004495
PCB-180	0.0022	J C B	0.039	0.0022	J q C B	0.039	0.0023	J C B	0.039	0.000479	JCq	0.04	0.002395
PCB-181	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-182	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-183	0.0021	J C B	0.039	0.0014	J q C B	0.039	0.00055	J C B q	0.039	0.00104	JCq	0.04	0.0052
PCB-184	ND	U	0.02	ND	U	0.02	0.00028	J q	0.02		U	0.02	
PCB-185	0.0021	J C183 B	0.039	0.0014	J q C183 B	0.039	0.00055	J B C183 q	0.039	0.00104	JC183q	0.04	0.0052
PCB-186	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-187	0.0014	J q B	0.02	0.0023	J B	0.02	0.0012	J B	0.02	0.000424	Jq	0.02	0.00212
PCB-188	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-189	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-19	0.0056	J q	0.02	0.0059	J q	0.02	ND	U	0.02		U	0.02	
PCB-190	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-191	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-192	ND	U	0.02	ND	U	0.02	ND	U	0.02	0.000703	J	0.02	0.003515
PCB-193	0.0022	J C180 B	0.039	0.0022	J q C180 B	0.039	0.0023	J C180 B	0.039	0.000479	JC180q	0.04	0.002395
PCB-194	ND	U	0.02	0.00071	J	0.02	ND	U	0.02		U	0.02	
PCB-195	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-196	0.00035	J q	0.02	0.00055	J q	0.02	ND	U	0.02		U	0.02	
PCB-197	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-198	0.00072	J q C	0.039	0.0013	J q C	0.039	ND	U C	0.039		UC	0.04	
PCB-199	0.00072	J q C198	0.039	0.0013	J q C198	0.039	ND	U C198	0.039		UC198	0.04	
PCB-2	0.00072	J q	0.02	0.0009	J	0.02	ND	U	0.02		U	0.02	
PCB-20	0.011	J C B	0.039	0.011	J C B	0.039	0.0034	J C B	0.039	0.00164	JC	0.04	0.0082
PCB-200	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-201	0.00035	J	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-202	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-203	0.00032	J q	0.02	0.00079	J	0.02	ND	U	0.02		U	0.02	
PCB-204	ND	U	0.02	ND	U	0.02	ND	U	0.02	0.000484	Jq	0.02	0.00242
PCB-205	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	

TABLE A-3
ANALYTICAL RESULTS
SDG: 140-32981
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	OU3-22-1103			OU3D-22-1103			LW-22-1102			MB 140-76333/11-A			
Lab Sample ID	140-32981-8			140-32981-9			140-32981-1			Result [ng/L]	Qualifier	Quantitation Limit [ng/L]	Action Level [ng/L]
Sampling Date	11/03/2022 10:46:00			11/03/2022 10:46:00			11/02/2022 10:37:00						
Matrix	Water			Water			Water						
Dilution Factor	1			1			1						
Unit	ng/l			ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL	Result	Q	RL				
PCB-206	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-207	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-208	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-209	0.0011	J q	0.02	0.001	J q	0.02	0.00034	J q	0.02		U	0.02	
PCB-21	0.0015	J q C B	0.039	0.003	J C B	0.039	0.0014	J C B q	0.039	0.00112	JCq	0.04	0.0056
PCB-22	0.0014	J q	0.02	0.0019	J q	0.02	0.00053	J q	0.02		U	0.02	
PCB-23	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-24	0.00033	J q	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-25	0.0025	J q	0.02	0.0024	J	0.02	ND	U	0.02		U	0.02	
PCB-26	0.0051	J C	0.039	0.0058	J C	0.039	ND	U C	0.039		UC	0.04	
PCB-27	0.0041	J q	0.02	0.0048	J q	0.02	ND	U	0.02		U	0.02	
PCB-28	0.011	J C20 B	0.039	0.011	J C20 B	0.039	0.0034	J B C20	0.039	0.00164	JC20	0.04	0.0082
PCB-29	0.0051	J C26	0.039	0.0058	J C26	0.039	ND	U C26	0.039		UC26	0.04	
PCB-3	0.00069	J q	0.02	ND	U	0.02	0.00083	J q	0.02		U	0.02	
PCB-30	0.021	J C18 B	0.039	0.02	J C18 B	0.039	0.0014	J C18 B q	0.039	0.000899	JC18q	0.04	0.004495
PCB-31	0.0099	J B	0.02	0.011	J B	0.02	0.0017	J B	0.02	0.0013	J	0.02	0.0065
PCB-32	0.00086	J q B	0.02	0.0015	J B	0.02	ND	U	0.02	0.000692	J	0.02	0.00346
PCB-33	0.0015	J q C21 B	0.039	0.003	J C21 B	0.039	0.0014	J B C21 q	0.039	0.00112	JC21q	0.04	0.0056
PCB-34	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-35	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-36	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-37	0.0039	J	0.02	0.004	J	0.02	0.00099	J q	0.02		U	0.02	
PCB-38	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-39	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-4	0.018	J	0.029	0.017	J q	0.029	ND	U	0.029		U	0.03	
PCB-40	0.0079	J q C	0.059	0.012	J C	0.059	ND	U C	0.059		UC	0.06	
PCB-41	0.0079	J q C40	0.059	0.012	J C40	0.059	ND	U C40	0.059		UC40	0.06	
PCB-42	0.0056	J	0.02	0.0066	J	0.02	0.0016	J q	0.02		U	0.02	
PCB-43	0.0012	J q C	0.039	0.00084	J C	0.039	ND	U C	0.039		UC	0.04	
PCB-44	0.027	J C B	0.059	0.027	J C B	0.059	0.055	J C B	0.059	0.00473	JC	0.06	0.02365
PCB-45	0.0049	J C B	0.039	0.0047	J C B	0.039	0.0023	J C B	0.039	0.00126	JCq	0.04	0.0063
PCB-46	0.0022	J	0.02	0.0024	J q	0.02	ND	U	0.02		U	0.02	
PCB-47	0.027	J C44 B	0.059	0.027	J C44 B	0.059	0.055	J B C44	0.059	0.00473	JC44	0.06	0.02365
PCB-48	0.0037	J	0.02	0.0041	J	0.02	ND	U	0.02		U	0.02	
PCB-49	0.015	J C	0.039	0.015	J q C	0.039	0.0025	J C	0.039		UC	0.04	
PCB-5	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-50	0.0047	J q C	0.039	0.0061	J C	0.039	ND	U C	0.039		UC	0.04	
PCB-51	0.0049	J C45 B	0.039	0.0047	J C45 B	0.039	0.0023	J C45 B	0.039	0.00126	JC45q	0.04	0.0063
PCB-52	0.022	B	0.02	0.025	B	0.02	0.0025	J B q	0.02	0.00132	Jq	0.02	0.0066
PCB-53	0.0047	J q C50	0.039	0.0061	J C50	0.039	ND	U C50	0.039		UC50	0.04	
PCB-54	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-55	0.00085	J q	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-56	0.0037	J	0.02	0.0042	J	0.02	0.001	J q	0.02		U	0.02	
PCB-57	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-58	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-59	0.0023	J C	0.059	0.0029	J C	0.059	0.00084	J C q	0.059		UC	0.06	
PCB-6	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-60	0.0016	J q	0.02	0.0011	J q	0.02	0.00053	J q	0.02		U	0.02	
PCB-61	0.014	J q C B	0.078	0.017	J C B	0.078	0.004	J C B	0.078	0.00239	JC	0.08	0.01195
PCB-62	0.0023	J C59	0.059	0.0029	J C59	0.059	0.00084	J C59 q	0.059		UC59	0.06	
PCB-63	0.00062	J q	0.02	0.00078	J q	0.02	ND	U	0.02		U	0.02	
PCB-64	0.0079	J	0.02	0.0097	J	0.02	0.0034	J q	0.02		U	0.02	
PCB-65	0.027	J C44 B	0.059	0.027	J C44 B	0.059	0.055	J B C44	0.059	0.00473	JC44	0.06	0.02365
PCB-66	0.0082	J B	0.02	0.011	J B	0.02	0.0022	J B	0.02	0.00078	Jq	0.02	0.0039
PCB-67	0.00055	J q	0.02	0.00047	J	0.02	ND	U	0.02		U	0.02	
PCB-68	0.0014	J	0.02	0.00043	J q	0.02	0.017	J	0.02		U	0.02	
PCB-69	0.015	J C49	0.039	0.015	J q C49	0.039	0.0025	J C49	0.039		UC49	0.04	
PCB-7	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-70	0.014	J q C61 B	0.078	0.017	J C61 B	0.078	0.004	J C61 B	0.078	0.00239	JC61	0.08	0.01195
PCB-71	0.0079	J q C40	0.059	0.012	J C40	0.059	ND	U C40	0.059		UC40	0.06	
PCB-72	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-73	0.0012	J q C43	0.039	0.00084	J C43	0.039	ND	U C43	0.039		UC43	0.04	
PCB-74	0.014	J q C61 B	0.078	0.017	J C61 B	0.078	0.004	J C61 B	0.078	0.00239	JC61	0.08	0.01195
PCB-75	0.0023	J C59	0.059	0.0029	J C59	0.059	0.00084	J C59 q	0.059		UC59	0.06	
PCB-76	0.014	J q C61 B	0.078	0.017	J C61 B	0.078	0.004	J C61 B	0.078	0.00239	JC61	0.08	0.01195
PCB-77	0.00066	J q	0.02	0.0014	J	0.02	ND	U	0.02		U	0.02	
PCB-78	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-79	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-8	0.0016	J	0.029	0.0017	J	0.029	0.0016	J	0.029		U	0.03	
PCB-80	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-81	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-82	0.0015	J	0.02	0.00084	J q	0.02	0.00071	J q	0.02		U	0.02	
PCB-83	0.0087	J C	0.039	0.0083	J C	0.039	0.0027	J C	0.039		UC	0.04	
PCB-84	0.0031	J	0.02	0.0044	J	0.02	ND	U	0.02		U	0.02	
PCB-85	0.0024	J q C B	0.059	0.0024	J q C B	0.059	0.0011	J C B q	0.059	0.000788	JCq	0.06	0.00394
PCB-86	0.0065	J q C B	0.12	0.0078	J q C B	0.12	0.0038	J C B	0.12	0.00175	JCq	0.12	0.00875
PCB-87	0.0065	J q C86 B	0.12	0.0078	J q C86 B	0.12	0.0038	J B C86	0.12	0.00175	JC86q	0.12	0.00875
PCB-88	0.0026	J q C	0.039	0.0022	J q C	0.039	ND	U C	0.039		UC	0.04	
PCB-89	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-9	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-90	0.012	J C B	0.059	0.013	J C B	0.059	0.0039	J C B q	0.059	0.00263	JC	0.06	0.01315
PCB-91	0.0026	J q C88	0.039	0.0022	J q C88	0.039	ND	U C88	0.039		UC88	0.04	
PCB-92	0.0031	J q	0.02	0.0035	J	0.02	ND	U	0.02		U	0.02	
PCB-93	ND	U C	0.039	0.00081	J q C	0.039	ND	U C	0.039		UC	0.04	
PCB-94	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-95	0.01	J	0.02	0.0093	J	0.02	0.0039	J	0.02		U	0.02	
PCB-96	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-97	0.0065	J q C86 B	0.12	0.0078	J q C86 B	0.12	0.0038	J B C86	0.12	0.00175	JC86q	0.12	0.00875
PCB-98	0.001	J q C	0.039	0.00056	J q C	0.039	ND	U C	0.039		UC	0.04	
PCB-99	0.0087	J C83	0.039	0.0083	J C83	0.039	0.0027	J C83	0.039		UC83	0.04	

NOTES:

B : Compound was found in the blank and sample.
C : The compound co-eluted with other compounds
C108 : The compound co-eluted with PCB-108
C110 : The compound co-eluted with PCB-110
C12 : The compound co-eluted with PCB-12
C128 : The compound co-eluted with PCB-128
C129 : The compound co-eluted with PCB-129
C134 : The compound co-eluted with PCB-134
C135 : The compound co-eluted with PCB-135
C139 : The compound co-eluted with PCB-139
C147 : The compound co-eluted with PCB-147
C153 : The compound co-eluted with PCB-153
C156 : The compound co-eluted with PCB-156
C171 : The compound co-eluted with PCB-171
C18 : The compound co-eluted with PCB-18
C180 : The compound co-eluted with PCB-180
C183 : The compound co-eluted with PCB-183
C198 : The compound co-eluted with PCB-198
C20 : The compound co-eluted with PCB-20
C21 : The compound co-eluted with PCB-21
C26 : The compound co-eluted with PCB-26
C40 : The compound co-eluted with PCB-40
C43 : The compound co-eluted with PCB-43
C44 : The compound co-eluted with PCB-44
C45 : The compound co-eluted with PCB-45
C49 : The compound co-eluted with PCB-49
C50 : The compound co-eluted with PCB-50
C59 : The compound co-eluted with PCB-59
C61 : The compound co-eluted with PCB-61
C83 : The compound co-eluted with PCB-83
C85 : The compound co-eluted with PCB-85
C86 : The compound co-eluted with PCB-86
C88 : The compound co-eluted with PCB-88
C90 : The compound co-eluted with PCB-90
C93 : The compound co-eluted with PCB-93
C98 : The compound co-eluted with PCB-98

Sample concentration is less than 5 times the blank concentration (Action Level).

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

q : The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

U : Indicates the analyte was analyzed for but not detected.

TABLE A-4
ANALYTICAL RESULTS
SDG: 140-32981
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	OU5C-22-1101			OU5B-22-1101			OU1-22-1102			MB 140-76333/11-A			
Lab Sample ID	140-32981-2			140-32981-3			140-32981-4			Result	Qualifier	Quantitation	Action
Sampling Date	11/01/2022 11:54:00			11/01/2022 13:53:00			11/02/2022 12:29:00			[ng/L]		Limit [ng/L]	Level [ng/L]
Matrix	Water			Water			Water						
Dilution Factor	1			1			1						
Unit	ng/l			ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL							
PCB-1	ND	U	0.02	0.00085	J B q	0.02	ND	U	0.02	0.000322	Jq	0.02	0.00161
PCB-10	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-100	ND	U C93	0.039	ND	U C93	0.039	ND	U C93	0.039		UC93	0.04	
PCB-101	0.0033	J B C90 q	0.059	0.0098	J B C90 q	0.059	0.012	J B C90	0.059	0.00263	JC90	0.06	0.01315
PCB-102	ND	U C98	0.039	0.00066	J C98 q	0.039	ND	U C98	0.039		UC98	0.04	
PCB-103	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-104	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-105	0.0016	J	0.02	0.0025	J q	0.02	0.0022	J	0.02		U	0.02	
PCB-106	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-107	ND	U	0.02	0.0008	J q	0.02	ND	U	0.02		U	0.02	
PCB-108	ND	U C	0.039	ND	U C	0.039	ND	U C	0.039		UC	0.04	
PCB-109	0.0047	J B C86 q	0.12	0.0091	J B C86	0.12	0.0078	J B C86	0.12	0.00175	JC86q	0.12	0.00875
PCB-11	0.0081	J B q	0.029	0.039	B	0.029	0.023	J B	0.029	0.00506	Jq	0.03	0.0253
PCB-110	0.003	J C B q	0.039	0.012	J C B	0.039	0.012	J C B q	0.039	0.00189	JC	0.04	0.00945
PCB-111	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-112	ND	U	0.02	0.00048	J q	0.02	ND	U	0.02		U	0.02	
PCB-113	0.0033	J B C90 q	0.059	0.0098	J B C90 q	0.059	0.012	J B C90	0.059	0.00263	JC90	0.06	0.01315
PCB-114	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-115	0.003	J B C110 q	0.039	0.012	J B C110	0.039	0.012	J B C110 q	0.039	0.00189	JC110	0.04	0.00945
PCB-116	ND	U C85	0.059	0.0017	J C85 B q	0.059	0.0018	J C85 B q	0.059	0.000788	JC85q	0.06	0.00394
PCB-117	ND	U C85	0.059	0.0017	J C85 B q	0.059	0.0018	J C85 B q	0.059	0.000788	JC85q	0.06	0.00394
PCB-118	0.0029	J B q	0.02	0.0074	J B	0.02	0.0048	J B	0.02	0.000977	Jq	0.02	0.004885
PCB-119	0.0047	J B C86 q	0.12	0.0091	J B C86	0.12	0.0078	J B C86	0.12	0.00175	JC86q	0.12	0.00875
PCB-12	ND	U C	0.039	ND	U C	0.039	0.0019	J C q	0.039		UC	0.04	
PCB-120	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-121	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-122	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-123	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-124	ND	U C108	0.039	ND	U C108	0.039	ND	U C108	0.039		UC108	0.04	
PCB-125	0.0047	J B C86 q	0.12	0.0091	J B C86	0.12	0.0078	J B C86	0.12	0.00175	JC86q	0.12	0.00875
PCB-126	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-127	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-128	ND	U C	0.039	0.00043	J C q	0.039	0.00096	J C q	0.039		UC	0.04	
PCB-129	0.0025	J C B q	0.078	0.0048	J C B q	0.078	0.0063	J C B	0.078	0.00178	JCq	0.08	0.0089
PCB-13	ND	U C12	0.039	ND	U C12	0.039	0.0019	J C12 q	0.039		UC12	0.04	
PCB-130	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-131	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-132	ND	U	0.02	0.0018	J	0.02	0.0033	J	0.02		U	0.02	
PCB-133	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-134	ND	U C	0.039	ND	U C	0.039	ND	U C	0.039		UC	0.04	
PCB-135	0.00077	J C q	0.039	0.0027	J C	0.039	0.0011	J C q	0.039		UC	0.04	
PCB-136	ND	U	0.02	0.00072	J q	0.02	0.0013	J	0.02		U	0.02	
PCB-137	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-138	0.0025	J B C129 q	0.078	0.0048	J B C129 q	0.078	0.0063	J B C129	0.078	0.00178	JC129q	0.08	0.0089
PCB-139	ND	U C	0.039	ND	U C	0.039	ND	U C	0.039		UC	0.04	
PCB-14	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-140	ND	U C139	0.039	ND	U C139	0.039	ND	U C139	0.039		UC139	0.04	
PCB-141	ND	U	0.02	0.00049	J B q	0.02	0.00091	J B q	0.02	0.000724	J	0.02	0.00362
PCB-142	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-143	ND	U C134	0.039	ND	U C134	0.039	ND	U C134	0.039		UC134	0.04	
PCB-144	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-145	ND	U	0.02	ND	U	0.02	ND	U	0.02	0.000593	J	0.02	0.002965
PCB-146	ND	U	0.02	0.00091	J q	0.02	0.001	J	0.02		U	0.02	
PCB-147	0.0013	J C B q	0.039	0.0034	J C B q	0.039	0.0047	J C B q	0.039	0.000901	JCq	0.04	0.004505
PCB-148	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-149	0.0013	J B C147 q	0.039	0.0034	J B C147 q	0.039	0.0047	J B C147 q	0.039	0.000901	JC147q	0.04	0.004505
PCB-15	ND	U	0.02	0.0042	J	0.02	0.0025	J q	0.02		U	0.02	
PCB-150	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-151	0.00077	J C135 q	0.039	0.0027	J C135	0.039	0.0011	J C135 q	0.039		UC135	0.04	
PCB-152	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-153	0.002	J C B q	0.039	0.0042	J C B	0.039	0.005	J C B	0.039	0.00117	JCq	0.04	0.00585
PCB-154	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-155	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-156	0.00081	J C	0.039	0.00052	J C q	0.039	0.00093	J C	0.039		UC	0.04	
PCB-157	0.00081	J C156	0.039	0.00052	J C156 q	0.039	0.00093	J C156	0.039		UC156	0.04	
PCB-158	ND	U	0.02	0.00051	J q	0.02	ND	U	0.02		U	0.02	
PCB-159	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-16	ND	U	0.02	0.0027	J q	0.02	0.0015	J q	0.02		U	0.02	
PCB-160	0.0025	J B C129 q	0.078	0.0048	J B C129 q	0.078	0.0063	J B C129	0.078	0.00178	JC129q	0.08	0.0089
PCB-161	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-162	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-163	0.0025	J B C129 q	0.078	0.0048	J B C129 q	0.078	0.0063	J B C129	0.078	0.00178	JC129q	0.08	0.0089
PCB-164	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-165	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-166	ND	U C128	0.039	0.00043	J C128 q	0.039	0.00096	J C128 q	0.039		UC128	0.04	
PCB-167	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-168	0.002	J B C153 q	0.039	0.0042	J B C153	0.039	0.005	J B C153	0.039	0.00117	JC153q	0.04	0.00585
PCB-169	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-17	0.001	J B q	0.02	0.0043	J B q	0.02	0.0083	J B q	0.02	0.000792	J	0.02	0.00396
PCB-170	ND	U	0.02	0.001	J B q	0.02	0.001	J B q	0.02	0.000456	Jq	0.02	0.00228
PCB-171	ND	U C	0.039	0.00057	J C q	0.039	0.00048	J C q	0.039		UC	0.04	
PCB-172	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-173	ND	U C171	0.039	0.00057	J C171 q	0.039	0.00048	J C171 q	0.039		UC171	0.04	
PCB-174	ND	U	0.02	0.00062	J B q	0.02	0.00044	J B q	0.02	0.000797	Jq	0.02	0.003985
PCB-175	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-176	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-177	ND	U	0.02	0.00069	J	0.02	0.0004	J q	0.02		U	0.02	
PCB-178	ND	U	0.02	0.00021	J q	0.02	ND	U	0.02		U	0.02	
PCB-179	ND	U	0.02	0.00046	J q	0.02	0.00053	J q	0.02		U	0.02	
PCB-18	0.0014	J C B q	0.039	0.0083	J C B	0.039	0.0073	J C B	0.039	0.000899	JCq	0.04	0.004495
PCB-180	0.00065	J C B q	0.039	0.0027	J C B	0.039	0.0018	J C B q	0.039	0.000479	JCq	0.04	0.002395
PCB-181	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-182	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-183	ND	U C	0.039	0.0021	J C B	0.039	0.0013	J C B	0.039	0.00104	JCq	0.04	0.0052
PCB-184	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-185	ND	U C183	0.039	0.0021	J B C183	0.039	0.0013	J B C183	0.039	0.00104	JC183q	0.04	0.0052
PCB-186	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-187	0.00033	J B q	0.02	0.00077	J B q	0.02	0.0014	J B q	0.02	0.000424	Jq	0.02	0.00212
PCB-188	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-189	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-19	ND	U	0.02	ND	U	0.02	0.0028	J	0.02		U	0.02	
PCB-190	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-191	ND	U	0.02	0.00028	J q	0.02	ND	U	0.02		U	0.02	
PCB-192	ND	U	0.02	ND	U	0.02	ND	U	0.02	0.000703	J	0.02	0.003515
PCB-193	0.00065	J C180 B q	0.039	0.0027	J C180 B	0.039	0.0018	J C180 B q	0.039	0.000479	JC180q	0.04	0.002395
PCB-194	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-195	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-196	ND	U	0.02	0.00045	J	0.02	0.00063	J	0.02		U	0.02	
PCB-197	ND	U	0.02	0.0001	J q	0.02	ND	U	0.02		U	0.02	
PCB-198	ND	U C	0.039	0.00051	J C q	0.039	0.0016	J C	0.039		UC	0.04	
PCB-199	ND	U C198	0.039	0.00051	J C198 q	0.039	0.0016	J C198	0.039		UC198	0.04	
PCB-2	ND	U	0.02	0.0011	J q	0.02	ND	U	0.02		U	0.02	
PCB-20	0.006	J C B	0.039	0.024	J C B	0.039	0.0086	J C B	0.039	0.00164	JC	0.04	0.0082
PCB-200	ND	U	0.02	ND	U	0.02	0.00039	J q	0.02		U	0.02	
PCB-201	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-202	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-203	ND	U	0.02	0.00033	J q	0.02	0.00039	J q	0.02		U	0.02	
PCB-204	ND	U	0.02	0.00023	J B q	0.02	ND	U	0.02	0.000484	Jq	0.02	0.00242
PCB-205	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	

TABLE A-4
ANALYTICAL RESULTS
SDG: 140-32981
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	**OU5C-22-1101**			**OU5B-22-1101**			**OU1-22-1102**			**MB 140-76333/11-A**			
Lab Sample ID	140-32981-2			140-32981-3			140-32981-4			Result	Qualifier	Quantitation	Action
Sampling Date	11/01/2022 11:54:00			11/01/2022 13:53:00			11/02/2022 12:29:00			[ng/L]		Limit [ng/L]	Level [ng/L]
Matrix	Water			Water			Water						
Dilution Factor	1			1			1						
Unit	ng/l			ng/l			ng/l						
PCB Congener-1668A	Result	Q	RL	Result	Q	RL							
PCB-206	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-207	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-208	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-209	ND	U	0.02	0.00078	J q	0.02	0.0014	J	0.02		U	0.02	
PCB-21	0.0014	J C B q	0.039	0.0076	J C B	0.039	0.0016	J C B q	0.039	0.00112	JCq	0.04	0.0056
PCB-22	0.0012	J	0.02	0.0047	J q	0.02	0.0018	J q	0.02		U	0.02	
PCB-23	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-24	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-25	ND	U	0.02	0.0019	J	0.02	0.0015	J	0.02		U	0.02	
PCB-26	0.0009	J C	0.039	0.0035	J C	0.039	0.0031	J C	0.039		UC	0.04	
PCB-27	ND	U	0.02	0.0013	J q	0.02	0.0033	J	0.02		U	0.02	
PCB-28	0.006	J B C20	0.039	0.024	J B C20	0.039	0.0086	J B C20	0.039	0.00164	JC20	0.04	0.0082
PCB-29	0.0009	J C26	0.039	0.0035	J C26	0.039	0.0031	J C26	0.039		UC26	0.04	
PCB-3	ND	U	0.02	0.0008	J	0.02	ND	U	0.02		U	0.02	
PCB-30	0.0014	J C18 B q	0.039	0.0083	J C18 B	0.039	0.0073	J C18 B	0.039	0.000899	JC18q	0.04	0.004495
PCB-31	0.0025	J B q	0.02	0.013	J B	0.02	0.0049	J B q	0.02	0.0013	J	0.02	0.0065
PCB-32	ND	U	0.02	0.0012	J B q	0.02	0.001	J B q	0.02	0.000692	J	0.02	0.00346
PCB-33	0.0014	J B C21 q	0.039	0.0076	J B C21	0.039	0.0016	J B C21 q	0.039	0.00112	JC21q	0.04	0.0056
PCB-34	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-35	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-36	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-37	0.0022	J	0.02	0.0073	J	0.02	0.002	J q	0.02		U	0.02	
PCB-38	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-39	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-4	ND	U	0.029	ND	U	0.029	0.0062	J	0.029		U	0.03	
PCB-40	0.00073	J C q	0.059	0.0083	J C	0.059	0.0059	J C	0.059		UC	0.06	
PCB-41	0.00073	J q C40	0.059	0.0083	J C40	0.059	0.0059	J C40	0.059		UC40	0.06	
PCB-42	0.0016	J	0.02	0.0073	J	0.02	0.0029	J	0.02		U	0.02	
PCB-43	ND	U C	0.039	0.0011	J C	0.039	0.0016	J C	0.039		UC	0.04	
PCB-44	0.066	C B	0.059	0.098	C B	0.059	0.042	J C B	0.059	0.00473	JC	0.06	0.02365
PCB-45	0.0087	J C B q	0.039	0.0055	J C B	0.039	0.0031	J C B	0.039	0.00126	JCq	0.04	0.0063
PCB-46	ND	U	0.02	0.001	J	0.02	0.00086	J q	0.02		U	0.02	
PCB-47	0.066	B C44	0.059	0.098	B C44	0.059	0.042	J B C44	0.059	0.00473	JC44	0.06	0.02365
PCB-48	0.0012	J	0.02	0.004	J	0.02	0.0014	J q	0.02		U	0.02	
PCB-49	0.0033	J C	0.039	0.014	J C	0.039	0.0099	J C	0.039		UC	0.04	
PCB-5	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-50	ND	U C	0.039	0.0019	J C q	0.039	0.0046	J C	0.039		UC	0.04	
PCB-51	0.0087	J C45 B q	0.039	0.0055	J C45 B	0.039	0.0031	J C45 B	0.039	0.00126	JC45q	0.04	0.0063
PCB-52	0.005	J B	0.02	0.021	B	0.02	0.016	J B	0.02	0.00132	Jq	0.02	0.0066
PCB-53	ND	U C50	0.039	0.0019	J C50 q	0.039	0.0046	J C50	0.039		UC50	0.04	
PCB-54	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-55	0.00029	J q	0.02	ND	U	0.02	0.00025	J q	0.02		U	0.02	
PCB-56	0.0015	J q	0.02	0.0072	J	0.02	0.0018	J q	0.02		U	0.02	
PCB-57	ND	U	0.02	ND	U	0.02	0.00026	J q	0.02		U	0.02	
PCB-58	0.00039	J q	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-59	0.00098	J C q	0.059	0.0034	J C q	0.059	0.0012	J C q	0.059		UC	0.06	
PCB-6	ND	U	0.02	0.00085	J q	0.02	0.0012	J q	0.02		U	0.02	
PCB-60	0.00094	J q	0.02	0.0043	J	0.02	0.0012	J q	0.02		U	0.02	
PCB-61	0.0067	J C B q	0.078	0.026	J C B	0.078	0.0094	J C B	0.078	0.00239	JC	0.08	0.01195
PCB-62	0.00098	J C59 q	0.059	0.0034	J C59 q	0.059	0.0012	J C59 q	0.059		UC59	0.06	
PCB-63	0.00055	J q	0.02	0.0013	J q	0.02	0.00062	J q	0.02		U	0.02	
PCB-64	0.0022	J q	0.02	0.01	J	0.02	0.0058	J	0.02		U	0.02	
PCB-65	0.066	B C44	0.059	0.098	B C44	0.059	0.042	J B C44	0.059	0.00473	JC44	0.06	0.02365
PCB-66	0.0043	J B	0.02	0.017	J B	0.02	0.0058	J B	0.02	0.00078	Jq	0.02	0.0039
PCB-67	ND	U	0.02	0.0005	J q	0.02	0.00036	J q	0.02		U	0.02	
PCB-68	0.02		0.02	0.018	J	0.02	0.0094	J	0.02		U	0.02	
PCB-69	0.0033	J C49	0.039	0.014	J C49	0.039	0.0099	J C49	0.039		UC49	0.04	
PCB-7	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-70	0.0067	J C61 B q	0.078	0.026	J C61 B	0.078	0.0094	J C61 B	0.078	0.00239	JC61	0.08	0.01195
PCB-71	0.00073	J q C40	0.059	0.0083	J C40	0.059	0.0059	J C40	0.059		UC40	0.06	
PCB-72	ND	U	0.02	0.0005	J	0.02	0.00058	J q	0.02		U	0.02	
PCB-73	ND	U C43	0.039	0.0011	J C43	0.039	0.0016	J C43	0.039		UC43	0.04	
PCB-74	0.0067	J C61 B q	0.078	0.026	J C61 B	0.078	0.0094	J C61 B	0.078	0.00239	JC61	0.08	0.01195
PCB-75	0.00098	J C59 q	0.059	0.0034	J C59 q	0.059	0.0012	J C59 q	0.059		UC59	0.06	
PCB-76	0.0067	J C61 B q	0.078	0.026	J C61 B	0.078	0.0094	J C61 B	0.078	0.00239	JC61	0.08	0.01195
PCB-77	ND	U	0.02	0.0014	J q	0.02	0.00051	J q	0.02		U	0.02	
PCB-78	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-79	0.00033	J q	0.02	0.00025	J q	0.02	ND	U	0.02		U	0.02	
PCB-8	0.0014	J	0.029	0.0043	J q	0.029	0.0023	J q	0.029		U	0.03	
PCB-80	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-81	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-82	ND	U	0.02	0.0019	J	0.02	0.00061	J q	0.02		U	0.02	
PCB-83	0.0032	J C q	0.039	0.0071	J C	0.039	0.0069	J C q	0.039		UC	0.04	
PCB-84	ND	U	0.02	0.0055	J	0.02	0.0051	J	0.02		U	0.02	
PCB-85	ND	U C	0.059	0.0017	J C B q	0.059	0.0018	J C B q	0.059	0.000788	JCq	0.06	0.00394
PCB-86	0.0047	J C B q	0.12	0.0091	J C B	0.12	0.0078	J C B	0.12	0.00175	JCq	0.12	0.00875
PCB-87	0.0047	J B C86 q	0.12	0.0091	J B C86	0.12	0.0078	J B C86	0.12	0.00175	JC86q	0.12	0.00875
PCB-88	ND	U C	0.039	0.0015	J C q	0.039	0.0036	J C	0.039		UC	0.04	
PCB-89	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-9	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-90	0.0033	J C B q	0.059	0.0098	J C B q	0.059	0.012	J C B	0.059	0.00263	JC	0.06	0.01315
PCB-91	ND	U C88	0.039	0.0015	J C88 q	0.039	0.0036	J C88	0.039		UC88	0.04	
PCB-92	ND	U	0.02	0.0028	J	0.02	0.0025	J q	0.02		U	0.02	
PCB-93	ND	U C	0.039	ND	U C	0.039	ND	U C	0.039		UC	0.04	
PCB-94	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-95	0.0032	J q	0.02	0.008	J q	0.02	0.011	J	0.02		U	0.02	
PCB-96	ND	U	0.02	ND	U	0.02	ND	U	0.02		U	0.02	
PCB-97	0.0047	J B C86 q	0.12	0.0091	J B C86	0.12	0.0078	J B C86	0.12	0.00175	JC86q	0.12	0.00875
PCB-98	ND	U C	0.039	0.00066	J C q	0.039	ND	U C	0.039		UC	0.04	
PCB-99	0.0032	J C83 q	0.039	0.0071	J C83	0.039	0.0069	J C83 q	0.039		UC83	0.04	

NOTES:

B : Compound was found in the blank and sample.

C : The compound co-eluted with other compounds
C108 : The compound co-eluted with PCB-108
C110 : The compound co-eluted with PCB-110
C12 : The compound co-eluted with PCB-12
C128 : The compound co-eluted with PCB-128
C129 : The compound co-eluted with PCB-129
C134 : The compound co-eluted with PCB-134
C135 : The compound co-eluted with PCB-135
C139 : The compound co-eluted with PCB-139
C147 : The compound co-eluted with PCB-147
C153 : The compound co-eluted with PCB-153
C156 : The compound co-eluted with PCB-156
C171 : The compound co-eluted with PCB-171
C18 : The compound co-eluted with PCB-18
C180 : The compound co-eluted with PCB-180
C183 : The compound co-eluted with PCB-183
C198 : The compound co-eluted with PCB-198
C20 : The compound co-eluted with PCB-20
C21 : The compound co-eluted with PCB-21
C26 : The compound co-eluted with PCB-26
C40 : The compound co-eluted with PCB-40
C43 : The compound co-eluted with PCB-43
C44 : The compound co-eluted with PCB-44
C45 : The compound co-eluted with PCB-45
C49 : The compound co-eluted with PCB-49
C50 : The compound co-eluted with PCB-50
C59 : The compound co-eluted with PCB-59
C61 : The compound co-eluted with PCB-61
C83 : The compound co-eluted with PCB-83
C85 : The compound co-eluted with PCB-85
C86 : The compound co-eluted with PCB-86
C88 : The compound co-eluted with PCB-88
C90 : The compound co-eluted with PCB-90
C93 : The compound co-eluted with PCB-93
C98 : The compound co-eluted with PCB-98

Sample concentration is less than 5 times the blank concentration (Action Level).

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

q : The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

U : Indicates the analyte was analyzed for but not detected.

TABLE A-5
ANALYTICAL RESULTS
SDG: 40254197
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	RBP-22-1102			LW-22-1102			OU1-22-1102			MB 2484195/2481136			
Lab Sample ID	40254197001			40254197008			40254197036			Result	Qualifier	Quantitation	Action
Sampling Date	11/02/2022 06:35:00			11/02/2022 10:37:00			11/02/2022 12:29:00			[mg/L]		Limit [mg/L]	Level [mg/L]
Matrix	Water			Water			Water			Water			
Dilution Factor	1			1			1			1			
Unit	mg/L			mg/L			mg/L			mg/L			
	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	
Total Organic Carbon	0.16	J	0.5	6.7		0.5	6.6		0.5	0.14	U	0.5	
Total Suspended Solids	0.48	U	1.0	5.1		1.0	6.9		1.0	0.48	U	1.0	

NOTES:

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

UJ - sample analysis of the rinsate blank occurred outside of published holding time. Result should be considered an estimated reporting limit.

Sample concentration is less than 5 times the blank concentration (Action Level).

TABLE A-6
ANALYTICAL RESULTS
SDG: 40254197
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	**OU2A-22-1102**			**OU2B-22-1102**			**OU2C-22-1103**			**MB 2484195/2481136**			
Lab Sample ID	40254197043			40254197050			40254197057			Result	Qualifier	Quantitation	Action
Sampling Date	11/02/2022 14:04:00			11/02/2022 15:34:00			11/03/2022 08:25:00			[mg/L]		Limit [mg/L]	Level [mg/L]
Matrix	Water			Water			Water			Water			
Dilution Factor	1			1			1			1			
Unit	mg/L			mg/L			mg/L			mg/L			
	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	
Total Organic Carbon	6.6		0.5	6.7		0.5	6.7		0.5	0.14	U	0.5	
Total Suspended Solids	4.4		1.0	6.1		1.0	5.9		1.0	0.48	U	1.0	

NOTES:

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Sample concentration is less than 5 times the blank concentration (Action Level).

TABLE A-7
ANALYTICAL RESULTS
SDG: 40254197
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	**OU3-22-1103**			**OU3D-22-1103**			**OU4-22-1101**			**MB 2484195/2481136**			
Lab Sample ID	40254197064			40254197071			40254197078			Result [mg/L]	Qualifier	Quantitation Limit [mg/L]	Action Level [mg/L]
Sampling Date	11/03/2022 10:46:00			11/03/2022 10:46:00			11/01/2022 16:16:00						
Matrix	Water			Water			Water			Water			
Dilution Factor	1			1			1			1			
Unit	mg/L			mg/L			mg/L			mg/L			
	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	
Total Organic Carbon	6.7		0.5	6.8		0.5	6.7		0.5	0.14	U	0.5	
Total Suspended Solids	6.7		1.0	7		1.0	9.9		1.4	0.48	U	1.0	

NOTES:

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Sample concentration is less than 5 times the blank concentration (Action Level).

TABLE A-8
ANALYTICAL RESULTS
SDG: 40254197
LOWER FOX RIVER REMEDIATION LONG-TERM MONITORING

Client ID	**OU5C-22-1101**			**OU5B-22-1101**			**OU5A-22-1101**			**MB 2484195/2481136**			
Lab Sample ID	40254197015			40254197022			40254197029			Result	Qualifier	Quantitation	Action
Sampling Date	11/01/2022 11:54:00			11/01/2022 13:53:00			11/01/2022 15:20:00			[mg/L]		Limit [mg/L]	Level [mg/L]
Matrix	Water			Water			Water			Water			
Dilution Factor	1			1			1			1			
Unit	mg/L			mg/L			mg/L			mg/L			
	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	
Total Organic Carbon	2.4		0.5	2.7		0.5	4.1		0.5	0.14	U	0.5	
Total Suspended Solids	1.2		1.0	2.6		1.0	8.3		1.0	0.48	U	1.0	

NOTES:

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Sample concentration is less than 5 times the blank concentration (Action Level).