FINAL LAB REPORT

DE River NAPL Delineation Phase III

B1566

26-Jan-2018

Prepared by

SGS NORTH AMERICA

Prepared for

The Chemours Company FC, LLC.

Michael Aucoin

4051 Ogletown Road, Suite 300
Dewark, DE 19713
Phone: 302-781-5873
Email: michael.aucoin@aecom.com

This report is approved by

tamara.morgan@sgs.com
2018-01-26 16:25:23

Tamara Morgan

Senior Project Manager

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Results reported relate only to the items tested.

PROJECT INFORMATION SUMMARY *(When applicable, see QC Annotations for details)*

Client Project	DE River NAPL Delineation Phase III
SGS Project #	B1566
Analytical Protocol(s)	1668A
No. Samples Submitted	27 (26 analyzed + 2 sets of MS/MSD; Sample 020 on HOLD)
Additional QC Sample(s)	0
No. Laboratory Method Blanks	2
No. OPRs / Batch CS3	2
Date Received	10-Nov-17
Condition Received	Good
Temperature upon Receipt (ºC)	2.5, 0.2
Extraction within Holding Time	Yes
Analysis within Holding Time	Yes

QC ANNOTATIONS:

1. Please see Appendices attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

APPENDIX A: GENERAL DATA QUALIFIERS / DATA ATTRIBUTES

B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve) and is an estimated value.
EMPC	Represents an Estimated Maximum Possible Concentration. EMPCs arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
H/h	If the standard recovery is below the method or SOP specified value “H” is assigned. If the obtained value is less than half the specified value “h” is assigned.
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve) and is an estimated value.
ND	Indicates a non-detect.
NR or R	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes “Single Ion Mode” and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.

APPENDIX B: DRBC/TMDL SPECIFIC DATA QUALIFIERS / DATA ATTRIBUTES

J	The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL).
U	The analyte was not detected in the sample at the estimated detection limit (EDL).
E	The reported concentration is an estimate. The value exceeds the upper calibration range (upper point of the calibration curve).
D	Dilution Data. Result was obtained from the analysis of a dilution.
B	Analyte found in the sample and associated method blank.
C	Co-eluting congener
Cxx	Co-elutes with the indicated congener, data is reported under the lowest IUPAC congener. 'Xx' denotes the IUPAC number with the lowest numerical designated congener.
NR	Analyte is not reportable because of problems in sample preparation or analysis.
V	Labeled standard recovery is not within method control limits.
X	Results from re-injection/repeat/second-column analysis.
EMPC	Estimated maximum possible concentration. Indicates that a peak is identified but did not meet the method specified ion-abundance ratio.
DPE	Indicates the presence of a Diphenyl Ether; results are considered estimated

APPENDIX C: LAB IDENTIFIERS

AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

SGS CERTIFICATIONS

Arkansas	88-0682
California (ELAP)	ELAP Cert #2914
CLIA	34D1013708
Connecticut	PH-0258
USDA Soil Permit	P330-17-00055
DoD	2726.01
Florida (Primary NELAP)	E87634
ISO 17025/IEC	2726.01
Louisiana	4115
Maine	2016028
Massachusetts	M-NC919
Minnesota (Primary NELAP For Method 23)	1179213
Mississippi	Reciprocity
New Hampshire	208317
New Jersey	NC100
New York	11685
North Carolina DEQ	481
North Dakota	R-197
Oregon	NC200002
Pennsylvania	68-03675
South Carolina	99029002
Texas	T104704260
US Coast Guard	16714/159.317/SGS
Virginia	8914
Washington	C913
West Virginia	293

Rev. 21-Jun-2017

PCB Report — Method 1668A

Analyte	Method Blank B1566_15465	D15-BOR-22 (0-0.5)	D15-BOR-22 (0.5-1.0)	D15-BOR-23 (0-0.5)	D15-BOR-23 (0.5-1.0)	D15-BOR-23-(0-0.5)-D	D15-BOR-24 (0-0.5)	D15-BOR-24 (0.5-1.0)	D16-BOR-14-(0-0.5)	D16-BOR-14-(0.5-1.0)	D16-BOR-09-(0-0.5)
	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
PCB-77	(1.44)	167	19.6	4,030	3,560	188	385	283	384	449	1,650
PCB-81	(1.32)	7.16	(0.85)	4.85	57.3	(2.26)	[13]	11.2	16.4	6.96	4.46
PCB-105	2.85	323	8.59	548	5,230	303	317	291	387	374	[421]
PCB-114	(0.892)	25.2	(0.634)	24	348	15.8	36.3	[31.6]	34.7	21.5	20.9
PCB-118	5.92	740	23.1	1,180	10,800	738	757	674	906	784	947
PCB-123	(0.852)	15	(0.644)	22.5	254	12.9	22.2	16.9	22.3	19.8	20.3
PCB-126	(0.537)	8.24	(0.55)	11.5	57.3	[3.67]	20.1	14.6	17.2	[9.67]	10.8
PCB-156/157	1.68	397	[2.48]	185	1,320	135	248	160	186	114	195
PCB-167	(0.797)	184	[1.26]	79.4	452	57.6	144	75	83.8	44	78.3
PCB-169	(0.926)	[17.6]	(0.58)	(4.19)	(3.2)	1.67	11.3	[4.16]	5.01	2.99	2.71
PCB-189	(0.252)	156	(0.464)	24.2	111	17.2	50.4	25.7	30.7	15.6	24.8
Total Mono-CB	[5.64]	291,000	10,500	5,930	16,900	2,570	5,520	4,610	14,800	8,780	1,990
Total Di-CB	18.2	128,000	10,200	11,600	41,100	[3000]	12,400	12,400	24,600	7,530	5,490
Total Tri-CB	30	10,100	[888]	18,700	82,200	3,730	16,400	14,400	20,400	8,840	9,610
Total Tetra-CB	[37.2]	[4320]	[239]	[23000]	[130000]	[4500]	[8510]	6,160	[8370]	9,710	[12500]
Total Penta-CB	[38]	[5600]	[152]	[8780]	[82900]	[5340]	[6830]	[6490]	[7620]	[6170]	[8430]
Total Hexa-CB	[19.7]	[12400]	[106]	[8320]	50,200	[6260]	[7760]	[6460]	[7040]	[4500]	[9060]
Total Hepta-CB	6.64	[22600]	[49]	[4550]	[22700]	[3310]	4,270	3,450	[3720]	[2260]	[4840]
Total Octa-CB	[2.4]	[9030]	[46.3]	2,490	8,580	1,860	4,120	[2540]	2,660	[1160]	2,640
Total Nona-CB	(1.31)	4,010	149	4,930	9,530	3,860	5,730	5,740	3,800	1,320	4,870
Total Deca-CB	(0.291)	3,310	108	5,530	12,700	4,010	4,710	6,570	3,390	1,150	4,660
TEQs (WHO 2005 M/H)											
ND = 0; EMPC = 0	0.000313	0.898	0.00291	1.62	6.66	0.107	2.43	1.53	1.96	0.178	1.37
ND = 0; EMPC = EMPC	0.000313	1.43	0.00302	1.62	6.66	0.474	2.44	1.65	1.96	1.14	1.38
ND = DL/2; EMPC = 0	0.0414	0.963	0.0393	1.68	6.71	0.178	2.43	1.55	1.96	0.268	1.37
ND = DL/2; EMPC = EMPC	0.0414	1.43	0.0394	1.68	6.71	0.474	2.44	1.65	1.96	1.14	1.38
ND = DL; EMPC = 0	0.0825	1.03	0.0757	1.75	6.76	0.248	2.43	1.56	1.96	0.358	1.37
ND = DL; EMPC = EMPC	0.0825	1.43	0.0758	1.75	6.76	0.475	2.44	1.65	1.96	1.14	1.38

Checkcode	008-170-WLZ/A	971-361-DGP/A	173-502-BBY/A	017-081-TPZ/A	773-634-PHS/A	538-507-KHY/A	617-447-YNB/A	807-465-RDN/A	758-140-RMS/A	785-452-TMB/A	242-797-KKT/A
Lab ID	MB1_15465_PCB_SDS	31566_15465_PCB_003-R1-D	B1566_15465_PCB_004-R1	B1566_15465_PCB_005-R1	31566_15465_PCB_006-R1-R	B1566_15465_PCB_007-R1	B1566_15465_PCB_008-R1	B1566_15465_PCB_009-R1	B1566_15465_PCB_010-R1	B1566_15465_PCB_011-R1	B1566_15465_PCB_012-R1
Weight/Volume	5.00 g	5.06 g	5.38 g	4.71 g	5.30 g	5.27 g	4.87 g	5.10 g	5.20 g	5.44 g	5.06 g

() = DL
[] = EMPC

PCB Report

Analyte	Method Blank B1566_15466	D15-BOR-21 (0-0.5)	D15-BOR-21 (0.5-1.0)	D16-BOR-09-(0.5-1.0)	D16-BOR-10-(0-0.5)	D16-BOR-10-(0.5-1.0)	D16-BOR-11-(0-0.5)	D16-BOR-11-(0.5-1.0)
	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
PCB-77	(0.991)	83	1,330	2,570	240	371	361	4,610
PCB-81	(0.97)	(2.39)	34.6	43.5	(3.4)	3.95	18.7	30.9
PCB-105	[1.94]	162	2,640	4,090	202	278	476	1,300
PCB-114	(0.906)	10.5	192	265	12.4	17.2	46.5	86.8
PCB-118	4.49	430	6,730	9,740	491	726	1,250	2,890
PCB-123	(1.03)	10.1	135	223	10.2	13.3	[31.8]	111
PCB-126	(1.27)	3.16	19.9	31.4	4.02	4.38	24.3	47.3
PCB-156/157	(1.18)	80.3	832	1,020	93.2	116	254	561
PCB-167	(0.821)	36.2	314	389	40.1	49.7	105	249
PCB-169	(1.15)	[3.6]	(5.77)	(5.89)	(2.86)	(2.81)	(3.96)	80.3
PCB-189	(0.951)	10.4	85.2	85.9	13.4	20.3	36.9	282
Total Mono-CB	1.54	1,210	3,130	3,250	621	1,080	8,390	20,600
Total Di-CB	14	[1930]	18,500	15,200	4,070	2,540	16,500	39,000
Total Tri-CB	[34.4]	2,780	87,700	70,200	4,760	4,800	14,000	40,700
Total Tetra-CB	[40]	4,350	133,000	151,000	[4410]	[9210]	8,420	61,300
Total Penta-CB	[31.6]	[4400]	66,800	[92700]	[5020]	8,010	[12200]	29,900
Total Hexa-CB	[14.5]	[4430]	[43300]	50,000	[5950]	[7850]	[12200]	[25700]
Total Hepta-CB	(1.13)	[2650]	23,200	23,500	[3690]	5,250	6,930	[14700]
Total Octa-CB	(1.02)	[1560]	7,250	8,290	2,180	2,560	4,050	8,860
Total Nona-CB	(1.37)	2,680	8,580	10,500	4,410	5,330	6,110	9,140
Total Deca-CB	(0.987)	2,400	11,000	13,000	4,320	6,490	5,960	6,940
TEQs (WHO 2005 M/H)								
ND = 0; EMPC = 0	0.000135	0.346	2.46	3.88	0.452	0.513	2.54	7.77
ND = 0; EMPC = EMPC	0.000193	0.454	2.46	3.88	0.452	0.513	2.54	7.77
ND = DL/2; EMPC = 0	0.0812	0.387	2.55	3.97	0.496	0.555	2.6	7.77
ND = DL/2; EMPC = EMPC	0.0812	0.454	2.55	3.97	0.496	0.555	2.6	7.77
ND = DL; EMPC = 0	0.162	0.428	2.64	4.06	0.539	0.597	2.66	7.77
ND = DL; EMPC = EMPC	0.162	0.455	2.64	4.06	0.539	0.597	2.66	7.77

Checkcode	647-960-SQW/A	752-925-FYS/A	010-603-YYG/A	992-935-PHS/A	762-131-BYF/A	448-424-VRV/A	441-173-QFD/A	742-539-RPT/A
Lab ID	MB1_15466_PCB_SDS	B1566_15466_PCB_001-R1	B1566_15466_PCB_002-R1	B1566_15466_PCB_013-R1	B1566_15466_PCB_014-R1	B1566_15466_PCB_015-R1	B1566_15466_PCB_016-R1	B1566_15466_PCB_017-R1
Weight/Volume	5.00 g	4.99 g	4.81 g	4.65 g	4.54 g	4.50 g	4.77 g	4.78 g

() = DL
[] = EMPC

Method 1668A

D16-BOR-12-(0-0.5)	D16-BOR-12-(0.5-1.0)	D16-BOR-13-(0-0.5)	D16-BOR-13-(0.5-1.0)	E16-BOR-07 (0-0.5)	E16-BOR-07 (0.5-1.0)	E16-BOR-08 (0-0.5)	E16-BOR-08 (0.5-1.0)	E16-BOR-08 (0.5-1.0)-D
pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
188	4,070	225	301	193	8,150	94.1	337	192
7.05	50.4	4.46	(3.52)	6.56	434	4.45	(5.32)	3.38
380	5,160	435	218	249	3,540	248	486	344
24.2	309	23.6	11.6	20.6	533	16.9	30.4	23.5
944	11,400	1,060	534	577	7,740	684	1,220	853
19.1	254	20.8	[10.9]	15.6	218	12.2	25.8	20
6.46	43.8	10.1	3.38	7.33	256	4.97	[5.29]	3.89
163	1,280	180	99.2	132	2,680	131	200	188
69.5	470	81.8	43.5	64.7	2,060	53.4	89	144
(2.69)	(8.22)	(7.36)	(2.44)	(4.51)	166	(2.83)	11.7	(3.15)
19.1	111	24.4	16	19.8	426	17	24.3	28.3
2,570	4,170	2,820	666	6,590	432,000	1,370	3,060	2,120
5,510	20,700	5,220	1,600	10,100	1,500,000	2,130	5,020	6,400
7,200	96,200	5,860	[2800]	7,380	665,000	[2150]	6,950	6,120
8,660	171,000	[8650]	[5210]	[4880]	82,000	[4290]	[10900]	[5800]
[9350]	108,000	[10500]	[6140]	5,420	[68700]	[5960]	[10900]	7,410
[8730]	60,200	[11400]	[6660]	[5750]	69,100	6,750	[11000]	[9830]
4,920	[28900]	[6100]	4,120	[3190]	[33500]	[3770]	[5760]	4,610
2,770	13,900	3,530	[2410]	[2340]	25,200	2,400	[3130]	2,270
4,880	15,700	7,540	6,080	4,080	21,100	4,650	5,310	3,340
4,620	15,600	7,650	7,790	4,040	20,900	4,180	4,440	3,030
0.716	5.37	1.09	0.395	0.787	32.1	0.543	0.446	0.457
0.716	5.37	1.09	0.396	0.787	32.1	0.543	0.975	0.457
0.756	5.49	1.2	0.433	0.855	32.1	0.585	0.571	0.504
0.756	5.49	1.2	0.433	0.855	32.1	0.585	0.976	0.504
0.796	5.62	1.31	0.47	0.922	32.1	0.628	0.697	0.552
0.796	5.62	1.31	0.47	0.922	32.1	0.628	0.977	0.552
329-612-HWB/A	985-221-PJZ/A	226-489-YYD/A	513-820-RFN/A	551-463-QKN/A	777-756-VYT/A	074-710-XTR/A	685-253-QDH/A	677-459-FFC/A
B1566_15466_PCB_018-R1	B1566_15466_PCB_019-R1	B1566_15466_PCB_021-R1	B1566_15466_PCB_022-R1	B1566_15466_PCB_023-R1	1566_15466_PCB_024-R1-D	B1566_15466_PCB_025-R1	B1566_15466_PCB_026-R1	B1566_15466_PCB_027-R1
4.89 g	4.96 g	4.84 g	4.76 g	4.88 g	3.48 g	4.53 g	4.45 g	4.47 g

() = DL
[] = EMPC

PCB Report — Method 1668A

Analyte	Method Blank B1566_15465	D15-BOR-22 (0-0.5)	D15-BOR-22 (0.5-1.0)	D15-BOR-23 (0-0.5)	D15-BOR-23 (0.5-1.0)	D15-BOR-23-(0-0.5)-D	D15-BOR-24 (0-0.5)	D15-BOR-24 (0.5-1.0)	D16-BOR-14-(0-0.5)	D16-BOR-14-(0.5-1.0)	D16-BOR-09-(0-0.5)
	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
PCB-77	(1.44)	167	19.6	4,030	3,560	188	385	283	384	449	1,650
PCB-81	(1.32)	7.16	(0.85)	4.85	57.3	(2.26)	[13]	11.2	16.4	6.96	4.46
PCB-105	2.85	323	8.59	548	5,230	303	317	291	387	374	[421]
PCB-114	(0.892)	25.2	(0.634)	24	348	15.8	36.3	[31.6]	34.7	21.5	20.9
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PCB-123	(0.852)	15	(0.644)	22.5	254	12.9	22.2	16.9	22.3	19.8	20.3
PCB-126	(0.537)	8.24	(0.55)	11.5	57.3	[3.67]	20.1	14.6	17.2	[9.67]	10.8
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PCB-167	(0.797)	184	[1.26]	79.4	452	57.6	144	75	83.8	44	78.3
PCB-169	(0.926)	[17.6]	(0.58)	(4.19)	(3.2)	1.67	11.3	[4.16]	5.01	2.99	2.71
PCB-189	(0.252)	156	(0.464)	24.2	111	17.2	50.4	25.7	30.7	15.6	24.8
Total Mono-CB	[5.64]	291,000	10,500	5,930	16,900	2,570	5,520	4,610	14,800	8,780	1,990
Total Di-CB	18.2	128,000	10,200	11,600	41,100	[3000]	12,400	12,400	24,600	7,530	5,490
Total Tri-CB	30	10,100	[888]	18,700	82,200	3,730	16,400	14,400	20,400	8,840	9,610
Total Tetra-CB	[37.2]	[4320]	[239]	[23000]	[130000]	[4500]	[8510]	6,160	[8370]	9,710	[12500]
Total Penta-CB	[38]	[5600]	[152]	[8780]	[82900]	[5340]	[6830]	[6490]	[7620]	[6170]	[8430]
Total Hexa-CB	[19.7]	[12400]	[106]	[8320]	50,200	[6260]	[7760]	[6460]	[7040]	[4500]	[9060]
Total Hepta-CB	6.64	[22600]	[49]	[4550]	[22700]	[3310]	4,270	3,450	[3720]	[2260]	[4840]
Total Octa-CB	[2.4]	[9030]	[46.3]	2,490	8,580	1,860	4,120	[2540]	2,660	[1160]	2,640
Total Nona-CB	(1.31)	4,010	149	4,930	9,530	3,860	5,730	5,740	3,800	1,320	4,870
Total Deca-CB	(0.291)	3,310	108	5,530	12,700	4,010	4,710	6,570	3,390	1,150	4,660
TEQs (WHO 1998 M/H)											
ND = 0; EMPC = 0	0.00172	1.18	0.00513	1.84	8.57	0.219	2.42	1.67	2.05	0.263	1.48
ND = 0; EMPC = EMPC	0.00172	1.35	0.00638	1.84	8.57	0.585	2.42	1.73	2.05	1.23	1.52
ND = DL/2; EMPC = 0	0.0336	1.2	0.036	1.86	8.59	0.289	2.42	1.68	2.05	0.353	1.48
ND = DL/2; EMPC = EMPC	0.0336	1.35	0.0371	1.86	8.59	0.585	2.42	1.73	2.05	1.23	1.52
ND = DL; EMPC = 0	0.0656	1.22	0.0669	1.88	8.6	0.359	2.42	1.69	2.05	0.443	1.48
ND = DL; EMPC = EMPC	0.0656	1.35	0.0677	1.88	8.6	0.586	2.42	1.73	2.05	1.23	1.52
Checkcode	008-170-WLZ/A	971-361-DGP/A	173-502-BBY/A	017-081-TPZ/A	773-634-PHS/A	538-507-KHY/A	617-447-YNB/A	807-465-RDN/A	758-140-RMS/A	785-452-TMB/A	242-797-KKT/A
Lab ID	MB1_15465_PCB_SDS	B1566_15465_PCB_003-R1-D	B1566_15465_PCB_004-R1	B1566_15465_PCB_005-R1	B1566_15465_PCB_006-R1-R	B1566_15465_PCB_007-R1	B1566_15465_PCB_008-R1	B1566_15465_PCB_009-R1	B1566_15465_PCB_010-R1	B1566_15465_PCB_011-R1	B1566_15465_PCB_012-R1
Weight/Volume	5.00 g	5.06 g	5.38 g	4.71 g	5.30 g	5.27 g	4.87 g	5.10 g	5.20 g	5.44 g	5.06 g

() = DL
[] = EMPC

PCB Report

Analyte	Method Blank B1566_15466	D15-BOR-21 (0-0.5)	D15-BOR-21 (0.5-1.0)	D16-BOR-09-(0.5-1.0)	D16-BOR-10-(0-0.5)	D16-BOR-10-(0.5-1.0)	D16-BOR-11-(0-0.5)	D16-BOR-11-(0.5-1.0)
	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
PCB-77	(0.991)	83	1,330	2,570	240	371	361	4,610
PCB-81	(0.97)	(2.39)	34.6	43.5	(3.4)	3.95	18.7	30.9
PCB-105	[1.94]	162	2,640	4,090	202	278	476	1,300
PCB-114	(0.906)	10.5	192	265	12.4	17.2	46.5	86.8
PCB-118	4.49	430	6,730	9,740	491	726	1,250	2,890
PCB-123	(1.03)	10.1	135	223	10.2	13.3	[31.8]	111
PCB-126	(1.27)	3.16	19.9	31.4	4.02	4.38	24.3	47.3
PCB-156/157	(1.18)	80.3	832	1,020	93.2	116	254	561
PCB-167	(0.821)	36.2	314	389	40.1	49.7	105	249
PCB-169	(1.15)	[3.6]	(5.77)	(5.89)	(2.86)	(2.81)	(3.96)	80.3
PCB-189	(0.951)	10.4	85.2	85.9	13.4	20.3	36.9	282
Total Mono-CB	1.54	1,210	3,130	3,250	621	1,080	8,390	20,600
Total Di-CB	14	[1930]	18,500	15,200	4,070	2,540	16,500	39,000
Total Tri-CB	[34.4]	2,780	87,700	70,200	4,760	4,800	14,000	40,700
Total Tetra-CB	[40]	4,350	133,000	151,000	[4410]	[9210]	8,420	61,300
Total Penta-CB	[31.6]	[4400]	66,800	[92700]	[5020]	8,010	[12200]	29,900
Total Hexa-CB	[14.5]	[4430]	[43300]	50,000	[5950]	[7850]	[12200]	[25700]
Total Hepta-CB	(1.13)	[2650]	23,200	23,500	[3690]	5,250	6,930	[14700]
Total Octa-CB	(1.02)	[1560]	7,250	8,290	2,180	2,560	4,050	8,860
Total Nona-CB	(1.37)	2,680	8,580	10,500	4,410	5,330	6,110	9,140
Total Deca-CB	(0.987)	2,400	11,000	13,000	4,320	6,490	5,960	6,940
TEQs (WHO 1998 M/H)								
ND = 0; EMPC = 0	0.000449	0.431	3.6	5.46	0.551	0.647	2.8	6.78
ND = 0; EMPC = EMPC	0.000643	0.467	3.6	5.46	0.551	0.647	2.8	6.78
ND = DL/2; EMPC = 0	0.0705	0.445	3.63	5.49	0.566	0.661	2.82	6.78
ND = DL/2; EMPC = EMPC	0.0706	0.467	3.63	5.49	0.566	0.661	2.82	6.78
ND = DL; EMPC = 0	0.141	0.458	3.66	5.52	0.58	0.675	2.84	6.78
ND = DL; EMPC = EMPC	0.141	0.467	3.66	5.52	0.58	0.675	2.84	6.78

Checkcode	647-960-SQW/A	752-925-FYS/A	010-603-YYG/A	992-935-PHS/A	762-131-BYF/A	448-424-VRV/A	441-173-QFD/A	742-539-RPT/A
Lab ID	MB1_15466_PCB_SDS	B1566_15466_PCB_001-R1	B1566_15466_PCB_002-R1	B1566_15466_PCB_013-R1	B1566_15466_PCB_014-R1	B1566_15466_PCB_015-R1	B1566_15466_PCB_016-R1	B1566_15466_PCB_017-R1
Weight/Volume	5.00 g	4.99 g	4.81 g	4.65 g	4.54 g	4.50 g	4.77 g	4.78 g

() = DL
[] = EMPC

Method 1668A

D16-BOR-12-(0-0.5)	D16-BOR-12-(0.5-1.0)	D16-BOR-13-(0-0.5)	D16-BOR-13-(0.5-1.0)	E16-BOR-07 (0-0.5)	E16-BOR-07 (0.5-1.0)	E16-BOR-08 (0-0.5)	E16-BOR-08 (0.5-1.0)	E16-BOR-08 (0.5-1.0)-D
pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
188	4,070	225	301	193	8,150	94.1	337	192
7.05	50.4	4.46	(3.52)	6.56	434	4.45	(5.32)	3.38
380	5,160	435	218	249	3,540	248	486	344
24.2	309	23.6	11.6	20.6	533	16.9	30.4	23.5
944	11,400	1,060	534	577	7,740	684	1,220	853
19.1	254	20.8	[10.9]	15.6	218	12.2	25.8	20
6.46	43.8	10.1	3.38	7.33	256	4.97	[5.29]	3.89
163	1,280	180	99.2	132	2,680	131	200	188
69.5	470	81.8	43.5	64.7	2,060	53.4	89	144
(2.69)	(8.22)	(7.36)	(2.44)	(4.51)	166	(2.83)	11.7	(3.15)
19.1	111	24.4	16	19.8	426	17	24.3	28.3
2,570	4,170	2,820	666	6,590	432,000	1,370	3,060	2,120
5,510	20,700	5,220	1,600	10,100	1,500,000	2,130	5,020	6,400
7,200	96,200	5,860	[2800]	7,380	665,000	[2150]	6,950	6,120
8,660	171,000	[8650]	[5210]	[4880]	82,000	[4290]	[10900]	[5800]
[9350]	108,000	[10500]	[6140]	5,420	[68700]	[5960]	[10900]	7,410
[8730]	60,200	[11400]	[6660]	[5750]	69,100	6,750	[11000]	[9830]
4,920	[28900]	[6100]	4,120	[3190]	[33500]	[3770]	[5760]	4,610
2,770	13,900	3,530	[2410]	[2340]	25,200	2,400	[3130]	2,270
4,880	15,700	7,540	6,080	4,080	21,100	4,650	5,310	3,340
4,620	15,600	7,650	7,790	4,040	20,900	4,180	4,440	3,030
0.896	7.28	1.29	0.5	0.916	31	0.678	0.442	0.64
0.896	7.28	1.29	0.501	0.916	31	0.678	0.971	0.64
0.91	7.32	1.33	0.513	0.939	31	0.692	0.567	0.656
0.91	7.32	1.33	0.514	0.939	31	0.692	0.971	0.656
0.923	7.36	1.36	0.526	0.961	31	0.706	0.692	0.672
0.923	7.36	1.36	0.526	0.961	31	0.706	0.972	0.672
329-612-HWB/A	985-221-PJZ/A	226-489-YYD/A	513-820-RFN/A	551-463-QKN/A	777-756-VYT/A	074-710-XTR/A	685-253-QDH/A	677-459-FFC/A
B1566_15466_PCB_018-R1	B1566_15466_PCB_019-R1	B1566_15466_PCB_021-R1	B1566_15466_PCB_022-R1	B1566_15466_PCB_023-R1	B1566_15466_PCB_024-R1-D	B1566_15466_PCB_025-R1	B1566_15466_PCB_026-R1	B1566_15466_PCB_027-R1
4.89 g	4.96 g	4.84 g	4.76 g	4.88 g	3.48 g	4.53 g	4.45 g	4.47 g

() = DL
[] = EMPC

PCB Recoveries — Method 1668A

Standard	Method Blank B1566_15465	D15-BOR-22 (0-0.5)	D15-BOR-22 (0.5-1.0)	D15-BOR-23 (0-0.5)	D15-BOR-23 (0.5-1.0)	D15-BOR-23-(0-0.5)-D	D15-BOR-24 (0-0.5)	D15-BOR-24 (0.5-1.0)	D16-BOR-14-(0-0.5)	D16-BOR-14-(0.5-1.0)	D16-BOR-09-(0-0.5)
ES PCB-1	63.5	51.2	30.5	44.8	46.9	22.8	32.9	37.2	62.6	52.5	63.9
ES PCB-3	69	37.5	14.1	46.9	57.7	21.2	40.8	29.2	60.3	48.1	65.9
ES PCB-4	64.3	60.8	67.7	53.1	61	47.8	54	64.4	72.1	67.3	69.4
ES PCB-15	78.7	84.9	81	64.3	75.9	80.3	78.7	85.6	82	82.8	83.2
ES PCB-19	73.8	77.8	78.4	58.9	70.1	63.2	70.3	72.4	79.1	70.7	73.5
ES PCB-39	82.5	102	96.4	81.5	97.4	94.2	95.3	98.6	101	95.4	97.6
ES PCB-54	72.1	78.7	87.3	63.1	75.5	68.8	76.5	74.7	84.8	82.8	79.1
ES PCB-77	82.3	96.4	93.7	78.7	95.7	93.1	84	96	99.5	94.6	94.3
ES PCB-81	90.1	101	98.1	80.4	98.4	97	87.4	101	99.4	94.7	94.2
ES PCB-104	81.7	107	92.4	78.5	82.2	85.7	89.8	91.5	99.2	91.7	91.2
ES PCB-105	86.3	110	97.3	83.4	99.8	94.4	97.7	99.5	107	90.8	94.2
ES PCB-114	87.7	110	98.5	83.2	103	101	98.4	101	107	96.5	94.8
ES PCB-118	87.5	112	96.1	80.3	101	94.5	102	102	105	95.2	94.8
ES PCB-123	88.6	114	102	82.8	107	105	98.9	105	110	98.5	99.8
ES PCB-126	97.8	133	112	93.2	114	109	111	112	117	102	104
ES PCB-153	78.4	92.8	90.5	73	89.6	89.8	91.4	89	94.6	81.9	89.8
ES PCB-155	69.9	79	79.7	62	78.5	83.2	87.7	78.9	86.9	79.7	86.3
ES PCB-156/157	79	101	92.4	73.4	94.3	97.7	98.1	91.5	98.8	89.2	88.9
ES PCB-167	79.3	85.7	86.1	76.7	99.5	94.8	99.6	85	98.4	89	97.3
ES PCB-169	75.1	98.3	91.5	68.9	96.8	93.9	95.3	92.7	99	87.6	94.1
ES PCB-170	68	77.6	78.1	68.5	78.8	75.9	77.4	78.6	85.9	75.6	76.7
ES PCB-180	68.5	76	76.3	67.1	80	74.1	75	75	82.9	74.2	76.7
ES PCB-188	75.9	90.3	89.7	71.4	85.1	92.4	98.5	87.3	98.6	85.7	92.3
ES PCB-189	80.6	100	92.5	82.2	93	87.7	91.1	94.3	99	88.1	93.4
ES PCB-202	81.9	91.4	93.3	71.7	90	94.7	96.1	87.6	97.3	88.3	91.4
ES PCB-205	78.5	92.9	92.9	77.9	91.7	88.3	96	94.9	99.5	94.2	93
ES PCB-206	82	94.7	92.8	82.1	95.1	89	97.2	90.4	102	95.2	93
ES PCB-208	75.2	78.1	84.2	69.9	83.8	80.4	83.9	83.1	90.4	82.2	81.1
ES PCB-209	85.8	76.5	103	86.4	95.7	92.9	104	102	115	105	104

Checkcode	008-170-WLZ/A	971-361-DGP/A	173-502-BBY/A	017-081-TPZ/A	773-634-PHS/A	538-507-KHY/A	617-447-YNB/A	807-465-RDN/A	758-140-RMS/A	785-452-TMB/A	242-797-KKT/A
Lab ID	MB1_15465_PCB_SDS	B1566_15465_PCB_003-R1-D!	B1566_15465_PCB_004-R1	B1566_15465_PCB_005-R1	B1566_15465_PCB_006-R1-R.	B1566_15465_PCB_007-R1	B1566_15465_PCB_008-R1	B1566_15465_PCB_009-R1	B1566_15465_PCB_010-R1	B1566_15465_PCB_011-R1	B1566_15465_PCB_012-R1
Weight/Volume	5.00 g	5.06 g	5.38 g	4.71 g	5.30 g	5.27 g	4.87 g	5.10 g	5.20 g	5.44 g	5.06 g

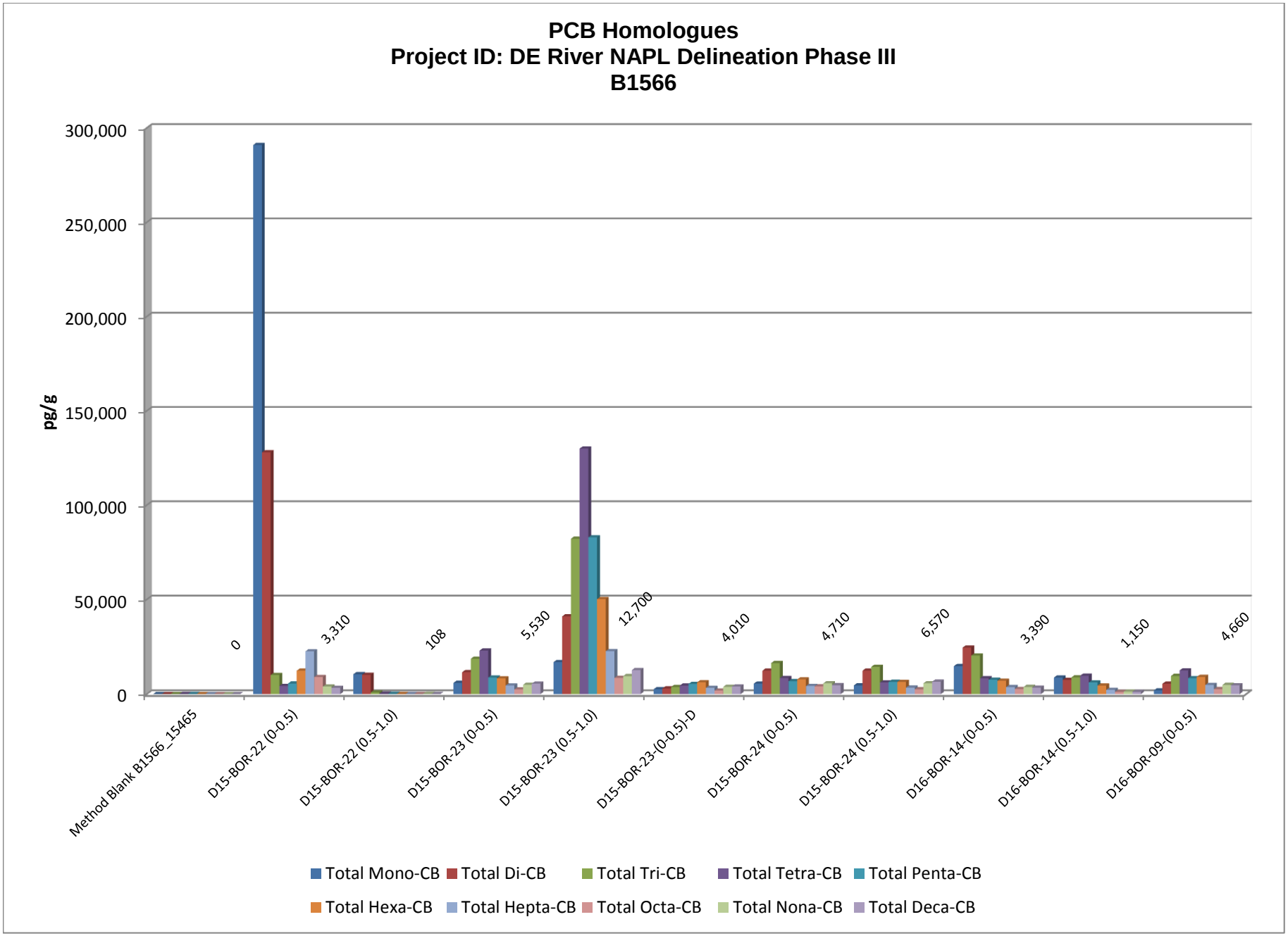
PCB Recoveries

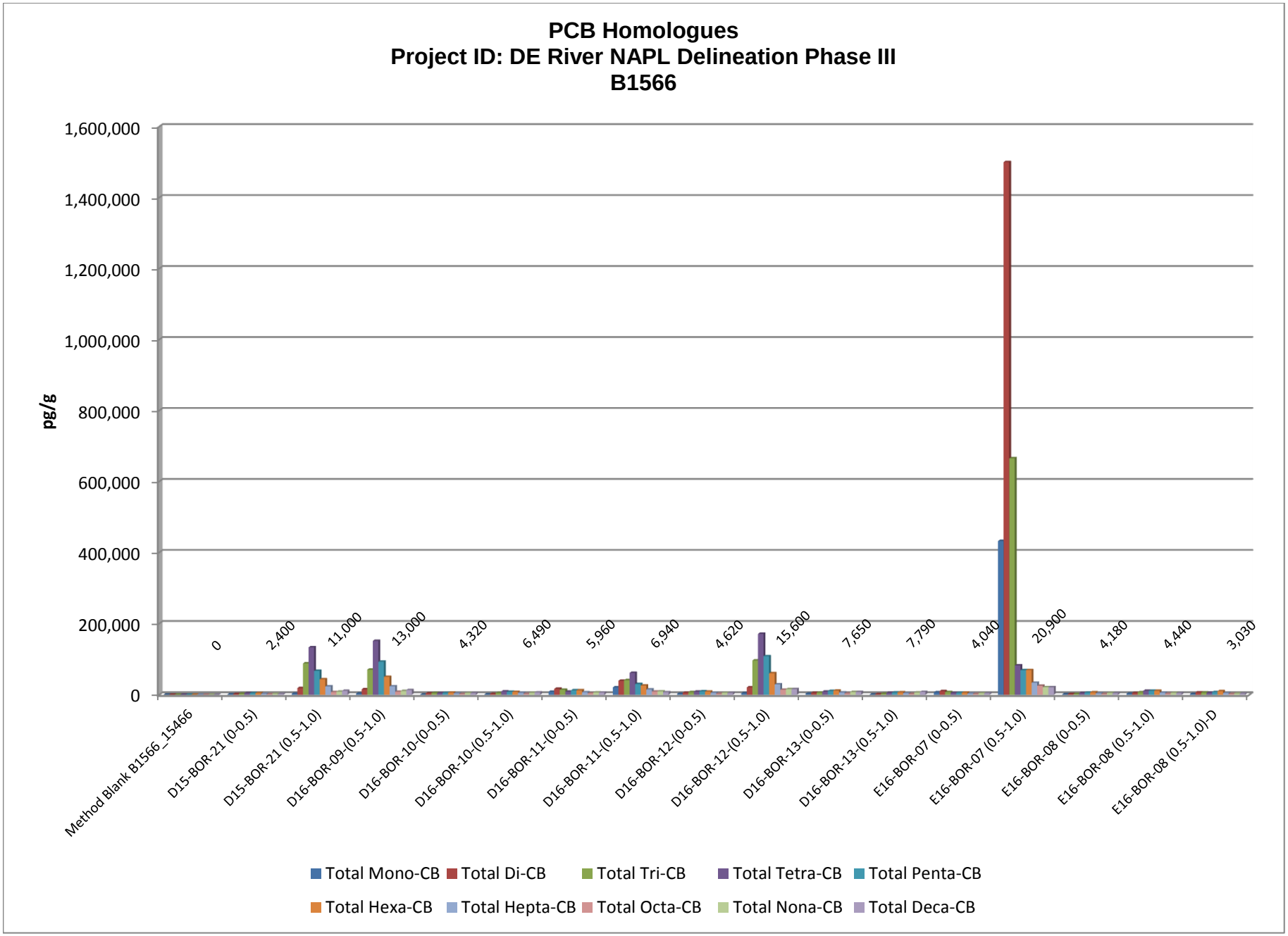
Standard	Method Blank B1566_15466	D15-BOR-21 (0-0.5)	D15-BOR-21 (0.5-1.0)	D16-BOR-09-(0.5-1.0)	D16-BOR-10-(0-0.5)	D16-BOR-10-(0.5-1.0)	D16-BOR-11-(0-0.5)	D16-BOR-11-(0.5-1.0)
ES PCB-1	66.6	26.9	50.9	46.8	39	52.6	29.1	65.3
ES PCB-3	67.6	18.3	57.1	49.7	34.7	54.3	23.1	70.4
ES PCB-4	64.1	57	57.1	52.1	56.2	57.6	53.9	72.3
ES PCB-15	81.2	83.5	73.9	78.6	88.2	79.8	86.4	85.2
ES PCB-19	67.8	67	55.4	58	71.9	61.9	65.6	69.3
ES PCB-39	81	77.4	64.2	71.7	80.6	72.2	83.7	80.6
ES PCB-54	63.3	55.5	52.2	49.6	48.9	50.9	50.3	55.4
ES PCB-77	83.9	83.7	69.3	74.2	87.8	71.3	94.5	81.6
ES PCB-81	86.2	80.8	67.8	72.9	84.3	70.6	95.9	79.7
ES PCB-104	87.7	77.1	74.4	74.2	76.7	77.6	68.8	86.2
ES PCB-105	95.5	88.9	73.1	76.7	88.1	69.8	87.9	86.8
ES PCB-114	93.9	85.1	72.1	79.5	89.6	73.5	88.9	89.1
ES PCB-118	101	88	77.2	80.6	92.7	77.3	90.8	91.6
ES PCB-123	94.2	89.2	77.9	80.1	95.8	79.1	90.4	90
ES PCB-126	97.7	90.5	66.7	79.6	91.2	69.9	99.1	88.5
ES PCB-153	95.7	91.8	79.8	81.5	91.4	86.1	90.5	93.4
ES PCB-155	94.8	87.6	84.6	85.2	87.7	97.1	83.7	92.4
ES PCB-156/157	89.5	85.6	65.3	73.1	84.8	70.9	94.4	90.3
ES PCB-167	93.2	86.4	69.9	75.7	90.3	76.7	93.1	93.9
ES PCB-169	80.7	72.8	54.2	60.6	71.6	56	83.4	77.2
ES PCB-170	111	110	109	112	119	116	111	118
ES PCB-180	108	115	116	122	118	125	106	126
ES PCB-188	83.2	82.6	77.1	74.6	83.2	79.3	80.5	86.5
ES PCB-189	123	115	97.1	101	111	108	112	117
ES PCB-202	91.1	84.2	75.7	77.2	86.8	80.8	90.3	92.7
ES PCB-205	102	91.1	75.8	76.1	86.3	80.9	90.7	92.8
ES PCB-206	110	102	89.2	87.9	97.4	94.8	103	106
ES PCB-208	114	104	104	104	114	111	107	110
ES PCB-209	117	93	89.7	87.9	97.4	96.7	89.2	84.6

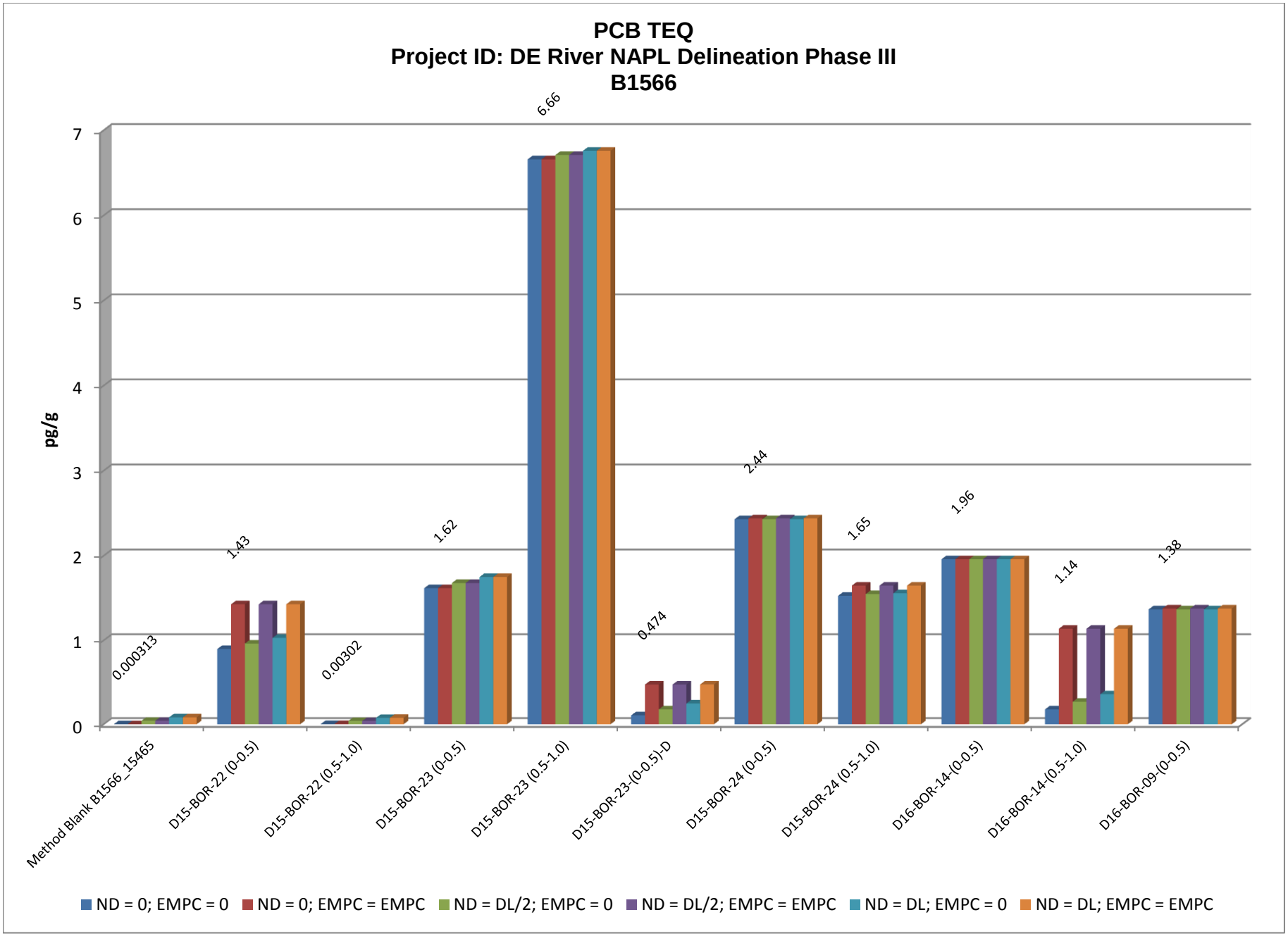
Checkcode	647-960-SQW/A	752-925-FYS/A	010-603-YYG/A	992-935-PHS/A	762-131-BYF/A	448-424-VRV/A	441-173-QFD/A	742-539-RPT/A
Lab ID	MB1_15466_PCB_SDS	B1566_15466_PCB_001-R1	B1566_15466_PCB_002-R1	B1566_15466_PCB_013-R1	B1566_15466_PCB_014-R1	B1566_15466_PCB_015-R1	B1566_15466_PCB_016-R1	B1566_15466_PCB_017-R1
Weight/Volume	5.00 g	4.99 g	4.81 g	4.65 g	4.54 g	4.50 g	4.77 g	4.78 g

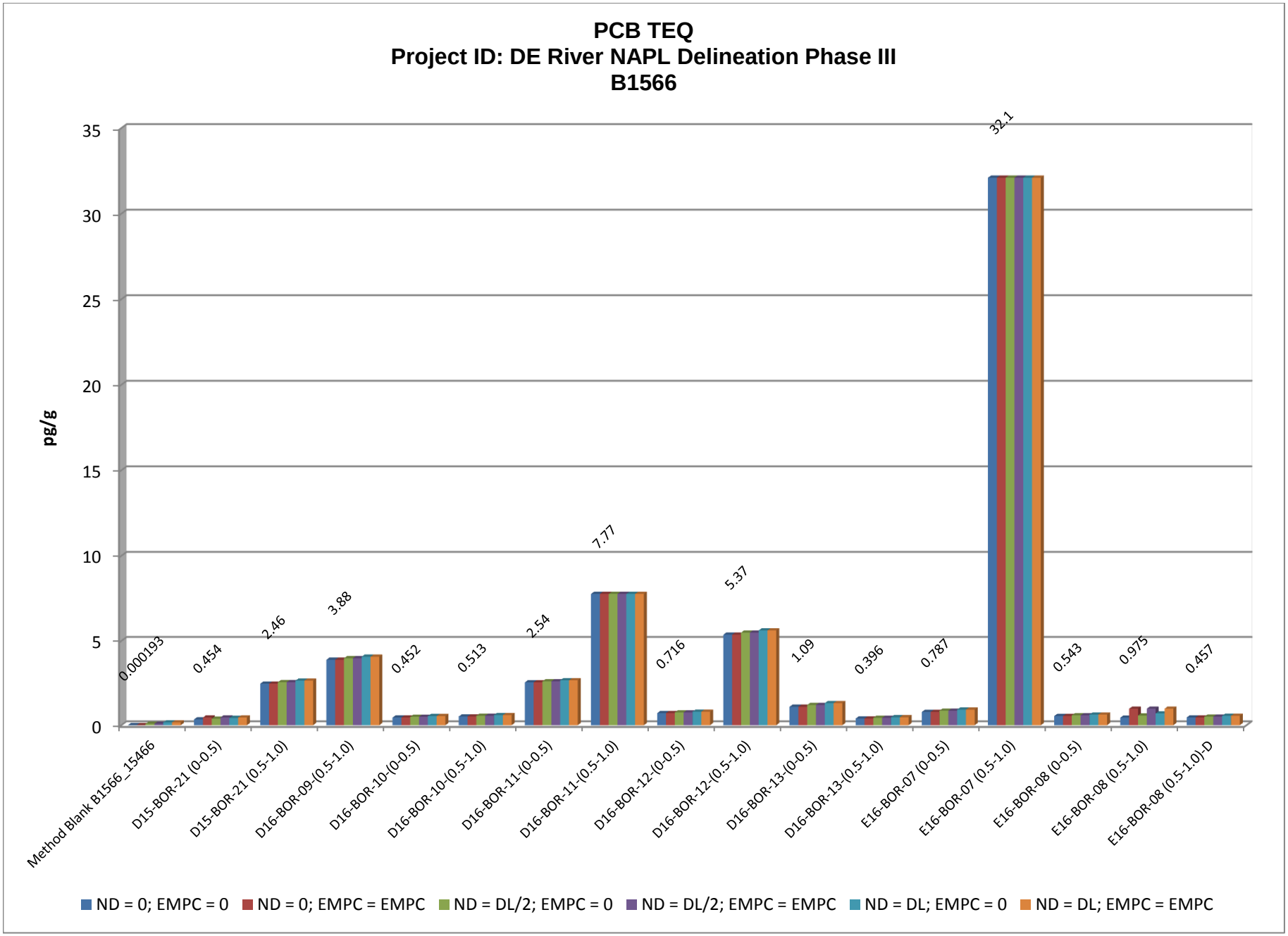
Method 1668A

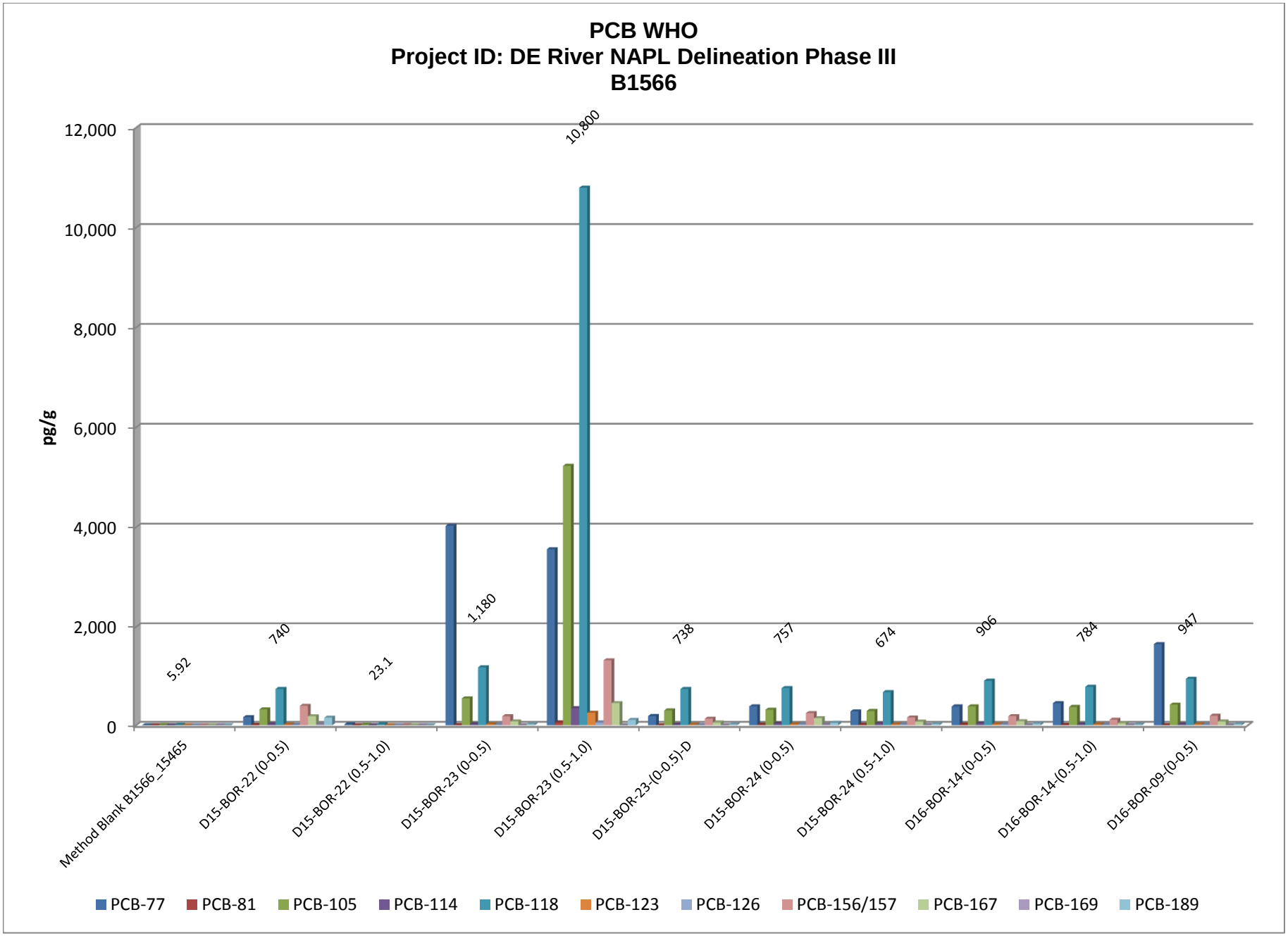
D16-BOR-12-(0-0.5)	D16-BOR-12-(0.5-1.0)	D16-BOR-13-(0-0.5)	D16-BOR-13-(0.5-1.0)	E16-BOR-07 (0-0.5)	E16-BOR-07 (0.5-1.0)	E16-BOR-08 (0-0.5)	E16-BOR-08 (0.5-1.0)	E16-BOR-08 (0.5-1.0)-D
40.5	54.5	49.6	45	45.1	67.9	58.7	60.4	58.9
37.4	67.5	46.9	39.3	37.3	74.7	55.1	64.2	63.1
56.9	64.1	56.9	55.9	58.4	70.5	61.8	62	61
87.4	89.4	86.4	82.8	85.1	88.3	90.2	92.7	89.1
71.9	60	72.5	69	78.9	78.7	84	79.8	78.5
78.3	84.5	84.6	82.8	81	98.7	82.5	90.1	85.3
54.1	63.5	51.4	50.6	49.1	62.8	54.9	57.3	57.9
90.9	85.8	91.7	88.8	92.8	92.4	96.4	107	103
86.4	88.6	89.2	88.7	88.9	89.1	92.3	98.6	96.4
74.5	93.2	79.1	74.6	79.4	93.3	83	85.6	82.9
88.6	83.7	87.9	78.6	86.3	97.2	98.1	98.9	97.2
86	88.5	93.4	80.3	90.9	98.3	99.4	96.9	98.6
91.1	90.4	95	85.6	94.7	100	103	103	102
88.9	91.7	93.4	88.1	92.1	104	104	102	100
88.7	85.7	91.4	83.4	94.3	93.9	103	102	101
92.5	96.7	94.2	92.9	88.5	105	91.5	98	95.3
89.1	110	97.2	98.7	83.6	91.2	87.3	95.1	89
85.7	82.7	91.3	83.7	83.3	84.5	88.5	93.4	93.3
88.2	87.5	94.5	86.5	85.7	86.7	93.5	95.6	97.8
73.3	65.7	73.2	66.2	68	71.6	77.3	79.6	79.1
116	138	126	122	117	115	130	121	124
122	142	132	129	128	120	131	131	128
82	92.9	86.3	88.8	79	81.4	85.7	90.3	84.3
113	125	119	120	118	117	124	118	120
87.2	89.5	92.5	89.5	83.9	84.2	89.9	94	98.2
88	89	90.2	88.7	88.2	108	94.5	90.3	93.8
99.7	111	101	96.9	103	108	108	102	104
117	125	123	122	121	115	124	122	124
102	109	99.8	99.1	105	107	113	105	105
329-612-HWB/A	985-221-PJZ/A	226-489-YYD/A	513-820-RFN/A	551-463-QKN/A	777-756-VYT/A	074-710-XTR/A	685-253-QDH/A	677-459-FFC/A
B1566_15466_PCB_018-R1	B1566_15466_PCB_019-R1	B1566_15466_PCB_021-R1	B1566_15466_PCB_022-R1	B1566_15466_PCB_023-R1	B1566_15466_PCB_024-R1-D	B1566_15466_PCB_025-R1	B1566_15466_PCB_026-R1	B1566_15466_PCB_027-R1
4.89 g	4.96 g	4.84 g	4.76 g	4.88 g	3.48 g	4.53 g	4.45 g	4.47 g

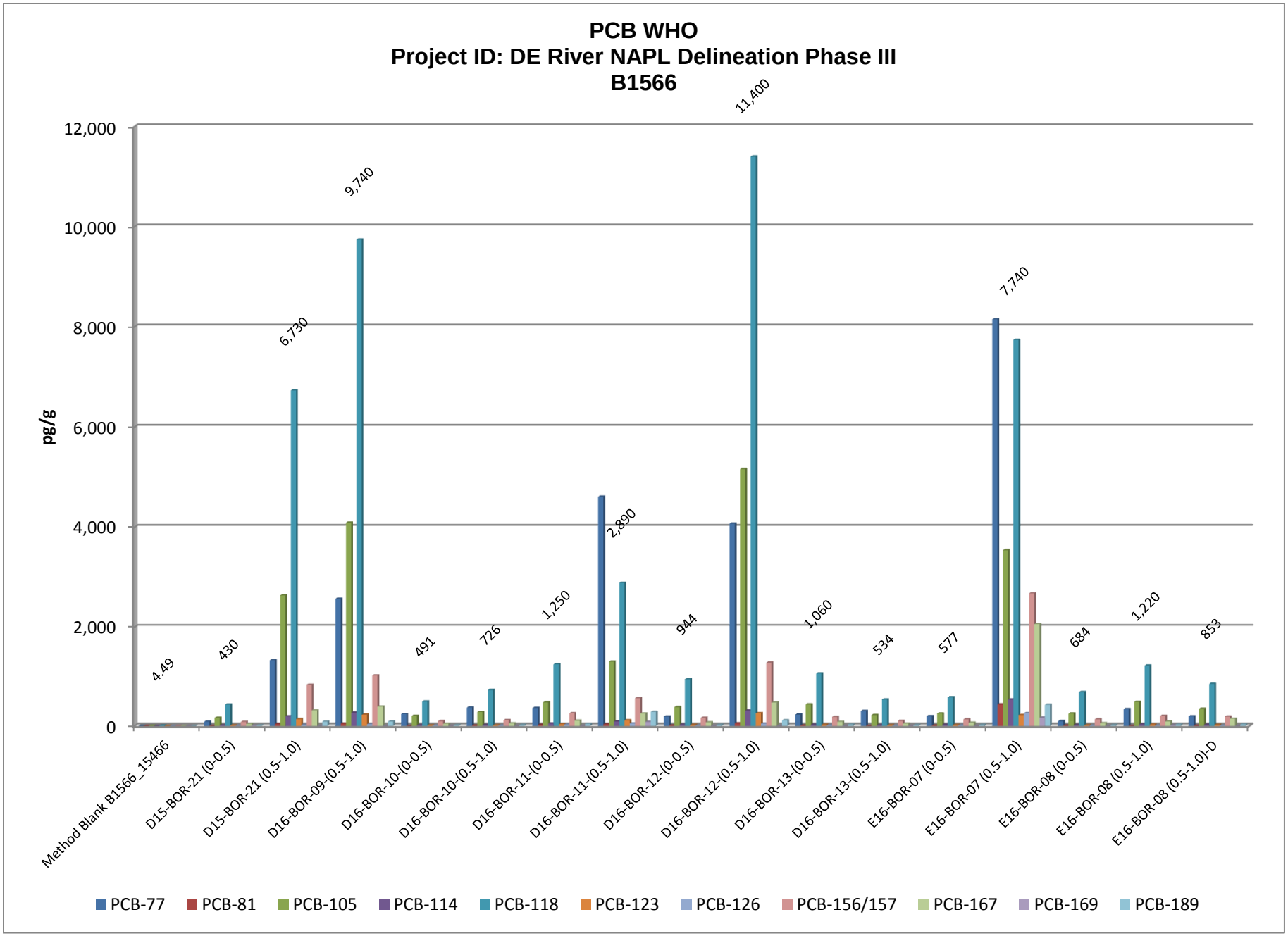

PCB Homologues
Project ID: DE River NAPL Delineation Phase III
B1566
pg/g
300,000
250,000
200,000
150,000
100,000
50,000
0
0
3,310
108
5,530
12,700
4,010
4,710
6,570
3,390
1,150
4,660
Method Blank B1566_15465
D15-BOR-22 (0-0.5)
D15-BOR-22 (0.5-1.0)
D15-BOR-23 (0-0.5)
D15-BOR-23 (0.5-1.0)
D15-BOR-23-(0-0.5)-D
D15-BOR-24 (0-0.5)
D15-BOR-24 (0.5-1.0)
D16-BOR-14-(0-0.5)
D16-BOR-14-(0.5-1.0)
D16-BOR-09-(0-0.5)
Total Mono-CB
Total Di-CB
Total Tri-CB
Total Tetra-CB
Total Penta-CB
Total Hexa-CB
Total Hepta-CB
Total Octa-CB
Total Nona-CB
Total Deca-CB

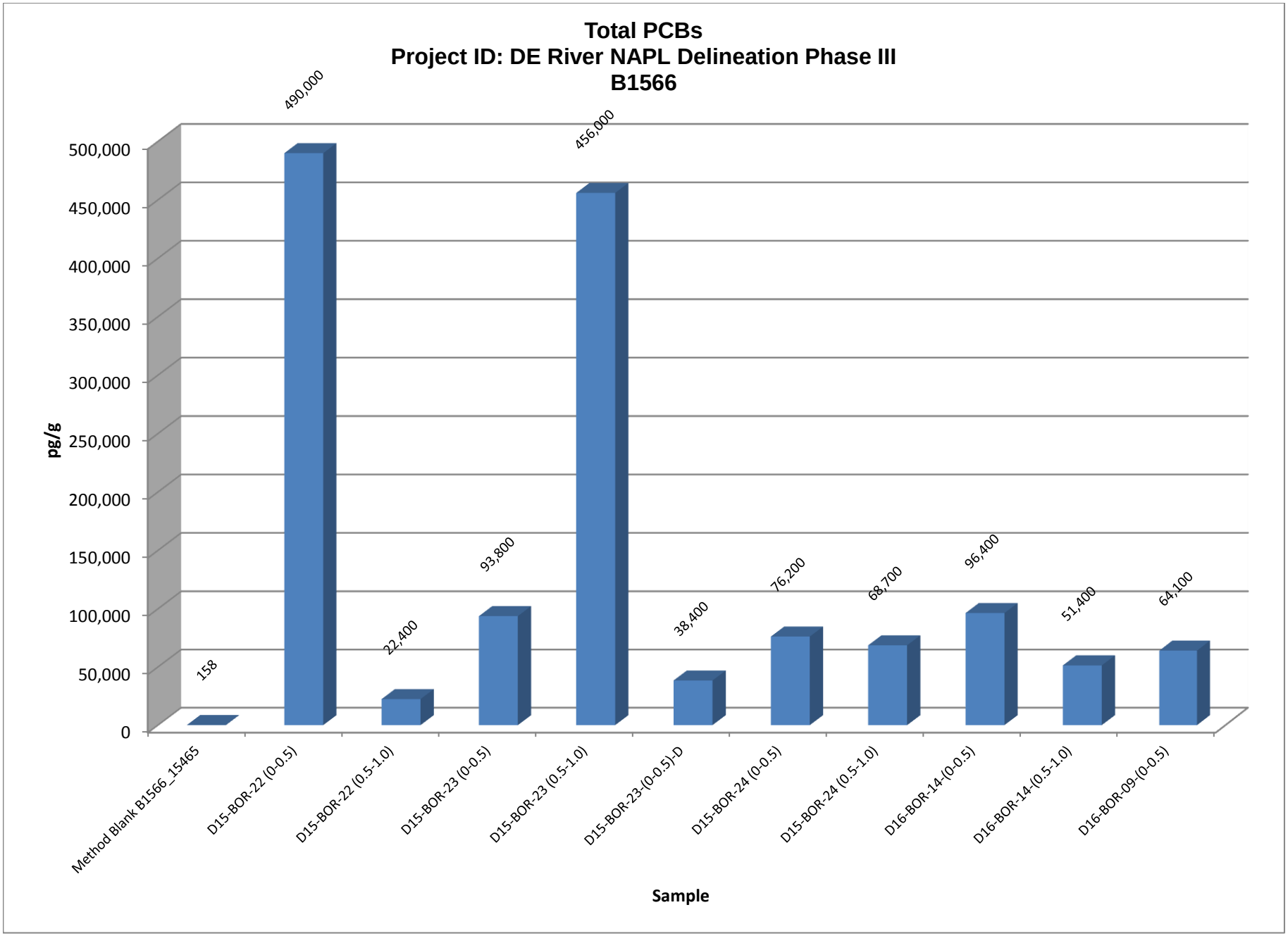

PCB Homologues
Project ID: DE River NAPL Delineation Phase III
B1566
pg/g
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
0
2,400
11,000
13,000
4,320
6,490
5,960
6,940
4,620
15,600
7,650
7,790
4,040
20,900
4,180
4,440
3,030
Method Blank B1566_15466
D15-BOR-21 (0-0.5)
D15-BOR-21 (0.5-1.0)
D16-BOR-09-(0.5-1.0)
D16-BOR-10-(0-0.5)
D16-BOR-10-(0.5-1.0)
D16-BOR-11-(0-0.5)
D16-BOR-11-(0.5-1.0)
D16-BOR-12-(0-0.5)
D16-BOR-12-(0.5-1.0)
D16-BOR-13-(0-0.5)
D16-BOR-13-(0.5-1.0)
E16-BOR-07 (0-0.5)
E16-BOR-07 (0.5-1.0)
E16-BOR-08 (0-0.5)
E16-BOR-08 (0.5-1.0)
E16-BOR-08 (0.5-1.0)-D
Total Mono-CB
Total Di-CB
Total Tri-CB
Total Tetra-CB
Total Penta-CB
Total Hexa-CB
Total Hepta-CB
Total Octa-CB
Total Nona-CB
Total Deca-CB

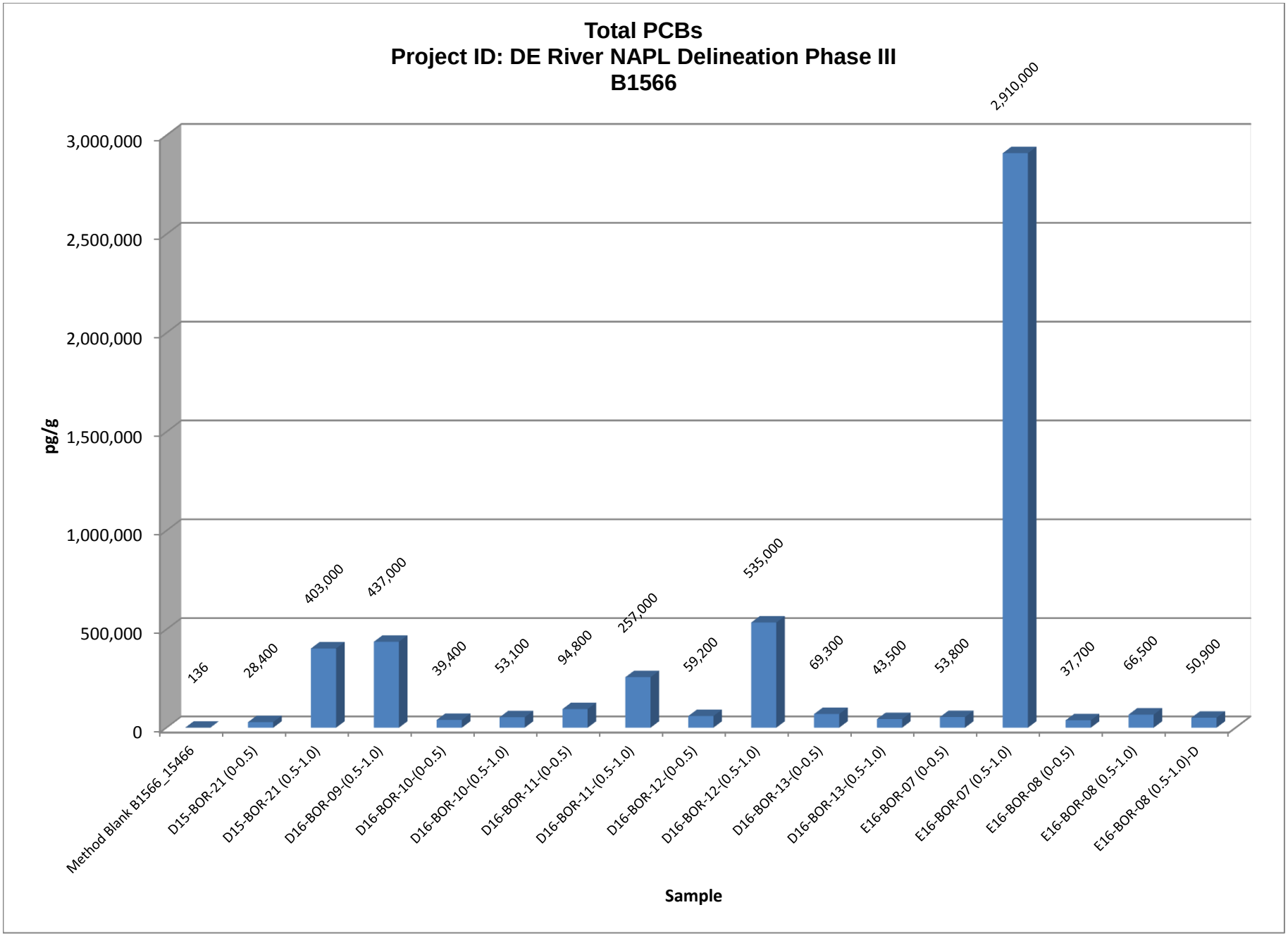

PCB TEQ
Project ID: DE River NAPL Delineation Phase III
B1566
pg/g
0
1
2
3
4
5
6
7
0.000313
1.43
0.00302
1.62
6.66
0.474
2.44
1.65
1.96
1.14
1.38
Method Blank B1566_15465
D15-BOR-22 (0-0.5)
D15-BOR-22 (0.5-1.0)
D15-BOR-23 (0-0.5)
D15-BOR-23 (0.5-1.0)
D15-BOR-23-(0-0.5)-D
D15-BOR-24 (0-0.5)
D15-BOR-24 (0.5-1.0)
D16-BOR-14-(0-0.5)
D16-BOR-14-(0.5-1.0)
D16-BOR-09-(0-0.5)
ND = 0; EMPC = 0
ND = 0; EMPC = EMPC
ND = DL/2; EMPC = 0
ND = DL/2; EMPC = EMPC
ND = DL; EMPC = 0
ND = DL; EMPC = EMPC

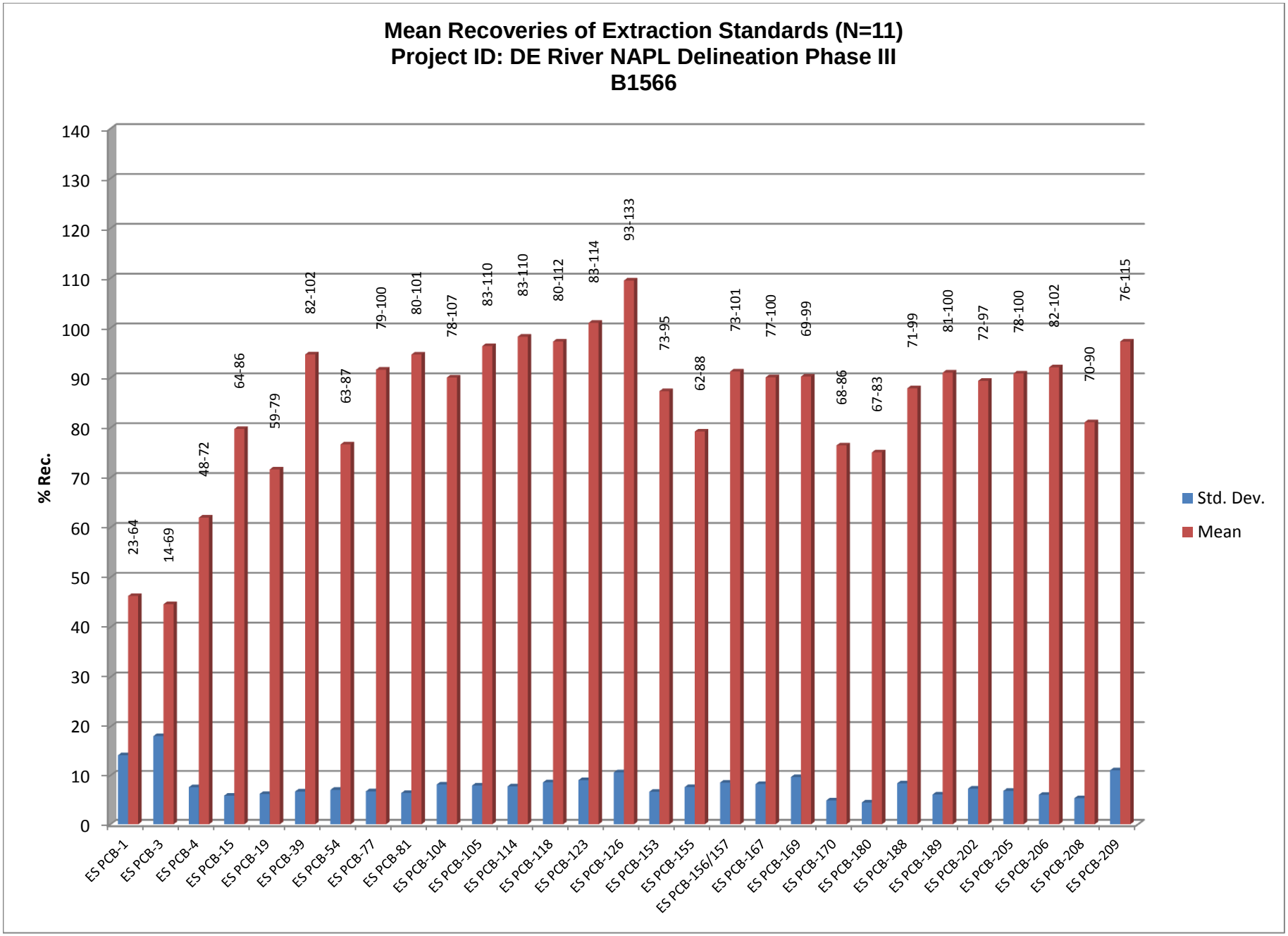

PCB TEQ
Project ID: DE River NAPL Delineation Phase III
B1566
pg/g
35
30
25
20
15
10
5
0
0.000193
0.454
2.46
3.88
0.452
0.513
2.54
7.77
0.716
5.37
1.09
0.396
0.787
32.1
0.543
0.975
0.457
Method Blank B1566_15466
D15-BOR-21 (0-0.5)
D15-BOR-21 (0.5-1.0)
D16-BOR-09-(0.5-1.0)
D16-BOR-10-(0-0.5)
D16-BOR-10-(0.5-1.0)
D16-BOR-11-(0-0.5)
D16-BOR-11-(0.5-1.0)
D16-BOR-12-(0-0.5)
D16-BOR-12-(0.5-1.0)
D16-BOR-13-(0-0.5)
D16-BOR-13-(0.5-1.0)
E16-BOR-07 (0-0.5)
E16-BOR-07 (0.5-1.0)
E16-BOR-08 (0-0.5)
E16-BOR-08 (0.5-1.0)
E16-BOR-08 (0.5-1.0)-D
ND = 0; EMPC = 0
ND = 0; EMPC = EMPC
ND = DL/2; EMPC = 0
ND = DL/2; EMPC = EMPC
ND = DL; EMPC = 0
ND = DL; EMPC = EMPC

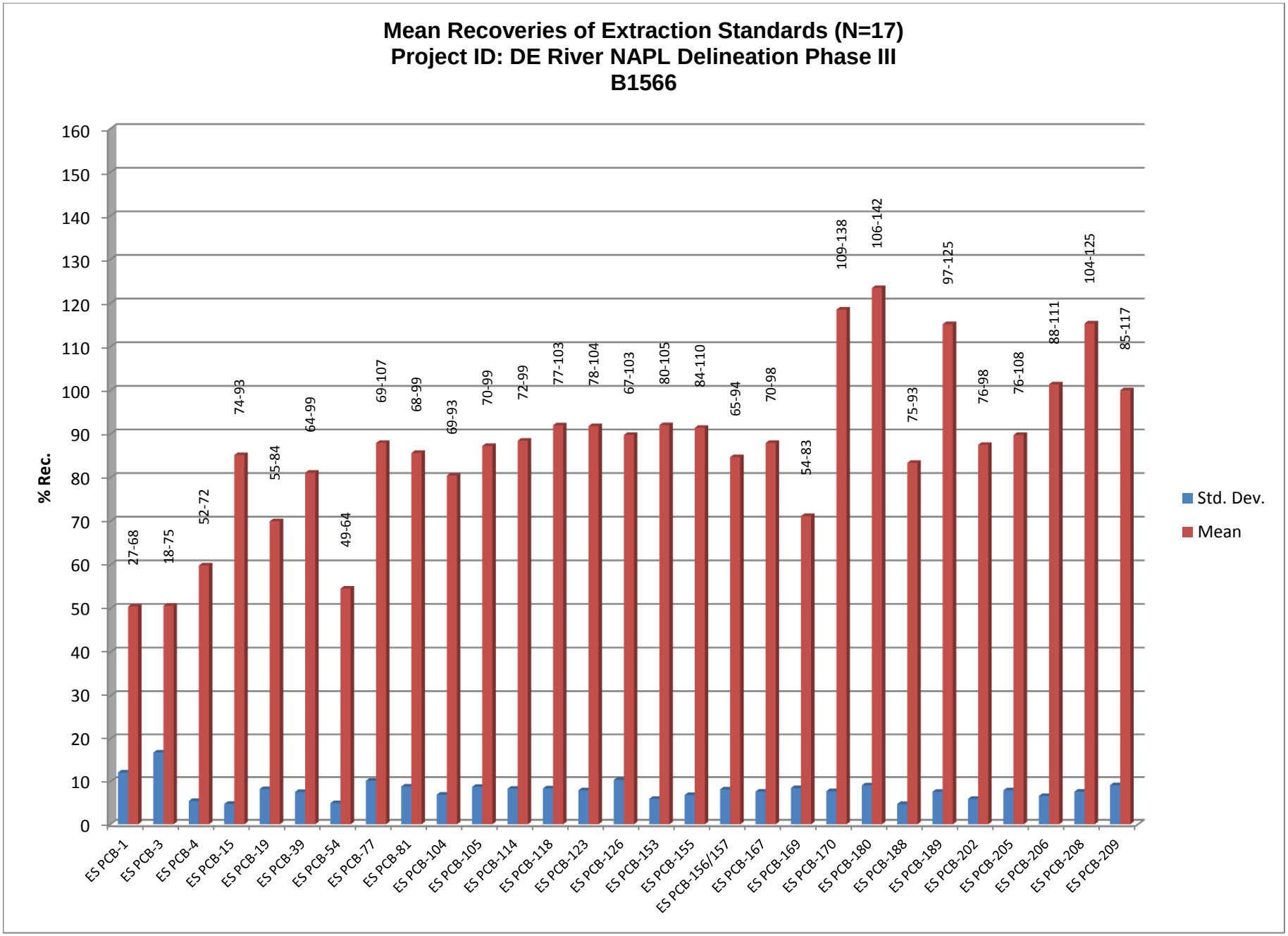

PCB WHO
Project ID: DE River NAPL Delineation Phase III
B1566
pg/g
12,000
10,000
8,000
6,000
4,000
2,000
0
5.92
740
23.1
1,180
10,800
738
757
674
906
784
947
Method Blank B1566 _15465
D15-BOR-22 (0-0.5)
D15-BOR-22 (0.5-1.0)
D15-BOR-23 (0-0.5)
D15-BOR-23 (0.5-1.0)
D15-BOR-23-(0-0.5)-D
D15-BOR-24 (0-0.5)
D15-BOR-24 (0.5-1.0)
D16-BOR-14-(0-0.5)
D16-BOR-14-(0.5-1.0)
D16-BOR-09-(0-0.5)
PCB-77
PCB-81
PCB-105
PCB-114
PCB-118
PCB-123
PCB-126
PCB-156/157
PCB-167
PCB-169
PCB-189


PCB WHO
Project ID: DE River NAPL Delineation Phase III
B1566
pg/g
12,000
10,000
8,000
6,000
4,000
2,000
0
4.49
430
6,730
9,740
491
726
1,250
2,890
944
11,400
1,060
534
577
7,740
684
1,220
853
Method Blank B1566_15466
D15-BOR-21 (0-0.5)
D15-BOR-21 (0.5-1.0)
D16-BOR-09-(0.5-1.0)
D16-BOR-10-(0-0.5)
D16-BOR-10-(0.5-1.0)
D16-BOR-11-(0-0.5)
D16-BOR-11-(0.5-1.0)
D16-BOR-12-(0-0.5)
D16-BOR-12-(0.5-1.0)
D16-BOR-13-(0-0.5)
D16-BOR-13-(0.5-1.0)
E16-BOR-07 (0-0.5)
E16-BOR-07 (0.5-1.0)
E16-BOR-08 (0-0.5)
E16-BOR-08 (0.5-1.0)
E16-BOR-08 (0.5-1.0)-D
PCB-77
PCB-81
PCB-105
PCB-114
PCB-118
PCB-123
PCB-126
PCB-156/157
PCB-167
PCB-169
PCB-189


Total PCBs
Project ID: DE River NAPL Delineation Phase III
B1566
pg/g
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
158
490,000
22,400
93,800
456,000
38,400
76,200
68,700
96,400
51,400
64,100
Method Blank B1566_15465
D15-BOR-22 (0-0.5)
D15-BOR-22 (0.5-1.0)
D15-BOR-23 (0-0.5)
D15-BOR-23 (0.5-1.0)
D15-BOR-23-(0-0.5)-D
D15-BOR-24 (0-0.5)
D15-BOR-24 (0.5-1.0)
D16-BOR-14-(0-0.5)
D16-BOR-14-(0.5-1.0)
D16-BOR-09-(0-0.5)
Sample


Total PCBs
Project ID: DE River NAPL Delineation Phase III
B1566
pg/g
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
136
28,400
403,000
437,000
39,400
53,100
94,800
257,000
59,200
535,000
69,300
43,500
53,800
2,910,000
37,700
66,500
50,900
Method Blank B1566_15466
D15-BOR-21 (0-0.5)
D15-BOR-21 (0.5-1.0)
D16-BOR-09-(0.5-1.0)
D16-BOR-10-(0-0.5)
D16-BOR-10-(0.5-1.0)
D16-BOR-11-(0-0.5)
D16-BOR-11-(0.5-1.0)
D16-BOR-12-(0-0.5)
D16-BOR-12-(0.5-1.0)
D16-BOR-13-(0-0.5)
D16-BOR-13-(0.5-1.0)
E16-BOR-07 (0-0.5)
E16-BOR-07 (0.5-1.0)
E16-BOR-08 (0-0.5)
E16-BOR-08 (0.5-1.0)
E16-BOR-08 (0.5-1.0)-D
Sample


Mean Recoveries of Extraction Standards (N=11)
Project ID: DE River NAPL Delineation Phase III
B1566
% Rec.
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
23-64
14-69
48-72
64-86
59-79
82-102
63-87
79-100
80-101
78-107
83-110
83-110
80-112
83-114
93-133
73-95
62-88
73-101
77-100
69-99
68-86
67-83
71-99
81-100
72-97
78-100
82-102
70-90
76-115
ES PCB-1
ES PCB-3
ES PCB-4
ES PCB-15
ES PCB-19
ES PCB-39
ES PCB-54
ES PCB-77
ES PCB-81
ES PCB-104
ES PCB-105
ES PCB-114
ES PCB-118
ES PCB-123
ES PCB-126
ES PCB-153
ES PCB-155
ES PCB-156/157
ES PCB-167
ES PCB-169
ES PCB-170
ES PCB-180
ES PCB-188
ES PCB-189
ES PCB-202
ES PCB-205
ES PCB-206
ES PCB-208
ES PCB-209
Std. Dev.
Mean


Mean Recoveries of Extraction Standards (N=17)
Project ID: DE River NAPL Delineation Phase III
B1566
% Rec.
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
27-68
18-75
52-72
74-93
55-84
64-99
49-64
69-107
68-99
69-93
70-99
72-99
77-103
78-104
67-103
80-105
84-110
65-94
70-98
54-83
109-138
106-142
75-93
97-125
76-98
76-108
88-111
104-125
85-117
ES PCB-1
ES PCB-3
ES PCB-4
ES PCB-15
ES PCB-19
ES PCB-39
ES PCB-54
ES PCB-77
ES PCB-81
ES PCB-104
ES PCB-105
ES PCB-114
ES PCB-118
ES PCB-123
ES PCB-126
ES PCB-153
ES PCB-155
ES PCB-156/157
ES PCB-167
ES PCB-169
ES PCB-170
ES PCB-180
ES PCB-188
ES PCB-189
ES PCB-202
ES PCB-205
ES PCB-206
ES PCB-208
ES PCB-209
Std. Dev.
Mean

Sample ID: D15-BOR-21 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.99 g	Sample ID:	B1566_15466_PCB_001-R1	Date Extracted:	18-Jan-2018
Date Collected:	04-Nov-2017	% Solid	50.6 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	83				ES PCB-1	26.9
PCB-81 344'5-TeCB	ND	2.39		U	ES PCB-3	18.3
PCB-105 233'44'-PeCB	162			B	ES PCB-4	57
PCB-114 2344'5-PeCB	10.5				ES PCB-15	83.5
PCB-118 23'44'5-PeCB	430			B	ES PCB-19	67
PCB-123 23'44'5'-PeCB	10.1				ES PCB-37	77.4
PCB-126 33'44'5-PeCB	3.16				ES PCB-54	55.5
PCB-156/157 233'44'5/233'44'5'-HxCB	80.3			C	ES PCB-77	83.7
PCB-167 23'44'55'-HxCB	36.2				ES PCB-81	80.8
PCB-169 33'44'55'-HxCB	EMPC		3.6	EMPC	ES PCB-104	77.1
PCB-189 233'44'55'-HpCB	10.4				ES PCB-105	88.9
					ES PCB-114	85.1
TEQs (WHO 2005 M/H)					ES PCB-118	88
					ES PCB-123	89.2
ND = 0	0.346		0.454		ES PCB-126	90.5
ND = 0.5 x DL	0.387		0.454		ES PCB-153	91.8
ND = DL	0.428		0.455		ES PCB-155	87.6
					ES PCB-156/157	85.6 C
Totals					ES PCB-167	86.4
Mono-CB	1,210				ES PCB-169	72.8
Di-CB	1,930		1,930		ES PCB-170	110
Tri-CB	2,780				ES PCB-180	115
Tetra-CB	4,350				ES PCB-188	82.6
Penta-CB	4,380		4,400		ES PCB-189	115
Hexa-CB	4,420		4,430		ES PCB-202	84.2
Hepta-CB	2,590		2,650		ES PCB-205	91.1
Octa-CB	1,550		1,560		ES PCB-206	102
Nona-CB	2,680				ES PCB-208	104
Deca-CB	2,400				ES PCB-209	93
					CS PCB-28	78.3
Total PCB (Mono-Deca)	28,300		28,400		CS PCB-111	89
					CS PCB-178	82.7

Checkcode: 752-925-FYS/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:56 Analyst: MS

Sample ID: D15-BOR-21 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.99 g	Sample ID:	B1566_15466_PCB_001-R1	Date Extracted:	18-Jan-2018
Date Collected:	04-Nov-2017	% Solid	50.6 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	83				ES PCB-1	26.9
PCB-81 344'5-TeCB	ND	2.39		U	ES PCB-3	18.3
PCB-105 233'44'-PeCB	162			B	ES PCB-4	57
PCB-114 2344'5-PeCB	10.5				ES PCB-15	83.5
PCB-118 23'44'5-PeCB	430			B	ES PCB-19	67
PCB-123 23'44'5'-PeCB	10.1				ES PCB-37	77.4
PCB-126 33'44'5-PeCB	3.16				ES PCB-54	55.5
PCB-156/157 233'44'5/233'44'5'-HxCB	80.3			C	ES PCB-77	83.7
PCB-167 23'44'55'-HxCB	36.2				ES PCB-81	80.8
PCB-169 33'44'55'-HxCB	EMPC		3.6	EMPC	ES PCB-104	77.1
PCB-189 233'44'55'-HpCB	10.4				ES PCB-105	88.9
					ES PCB-114	85.1
TEQs (WHO 1998 M/H)					ES PCB-118	88
					ES PCB-123	89.2
ND = 0	0.431		0.467		ES PCB-126	90.5
ND = 0.5 x DL	0.445		0.467		ES PCB-153	91.8
ND = DL	0.458		0.458		ES PCB-155	87.6
					ES PCB-156/157	85.6 C
Totals					ES PCB-167	86.4
Mono-CB	1,210				ES PCB-169	72.8
Di-CB	1,930		1,930		ES PCB-170	110
Tri-CB	2,780				ES PCB-180	115
Tetra-CB	4,350				ES PCB-188	82.6
Penta-CB	4,380		4,400		ES PCB-189	115
Hexa-CB	4,420		4,430		ES PCB-202	84.2
Hepta-CB	2,590		2,650		ES PCB-205	91.1
Octa-CB	1,550		1,560		ES PCB-206	102
Nona-CB	2,680				ES PCB-208	104
Deca-CB	2,400				ES PCB-209	93
					CS PCB-28	78.3
Total PCB (Mono-Deca)	28,300		28,400		CS PCB-111	89
					CS PCB-178	82.7

Checkcode: 752-925-FYS/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:56 Analyst: MS

Sample ID: D15-BOR-21 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.99 g	Sample ID:	B1566_15466_PCB_001-R1	Date Extracted:	18-Jan-2018
Date Collected:	04-Nov-2017	% Solid	50.6 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018
		Units	pg/g	Checkcode:	752-925-FYS/A	Time Analyzed:	19:17:42

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	476	B	PCB-19	35.5		PCB-54	6.42		PCB-72	16	
PCB-2	425		PCB-30/18	285	B C	PCB-50/53	107	C	PCB-68	20	
PCB-3	310		PCB-17	132	B	PCB-45	74.9		PCB-57	4.93	
			PCB-27	55.2		PCB-51	65.9		PCB-58	4.93	
Conc.	1,210		PCB-24	37.1		PCB-46	38.3		PCB-67	18.5	
EMPC	1,210		PCB-16	165	B	PCB-52	646	B	PCB-63	19.2	
			PCB-32	85.3	B	PCB-73	7.17		PCB-61/70/74/76	673	B C
Di	**Conc.**	**Qualifiers**	PCB-34	29		PCB-43	22.7		PCB-66	416	B
PCB-4	315		PCB-23	9.59		PCB-69/49	388	B C	PCB-55	9.18	
PCB-10	[6.31]	EMPC	PCB-26/29	125	C	PCB-48	79	B	PCB-56	245	B
PCB-9	150		PCB-25	133		PCB-44/47/65	593	B C	PCB-60	57.8	
PCB-7	32.4		PCB-31	376	B	PCB-59/62/75	50.9	C	PCB-80	(2.19)	U
PCB-6	243		PCB-28/20	411	B C	PCB-42	163		PCB-79	10.9	
PCB-5	65.6		PCB-21/33	244	B C	PCB-41	24.2		PCB-78	(2.77)	U
PCB-8	388	B	PCB-22	144	B	PCB-71/40	304	B C	PCB-81	(2.39)	U
PCB-14	94.9		PCB-36	29.2		PCB-64	199	B	PCB-77	83	
PCB-11	170	B	PCB-39	50.4							
PCB-13/12	302	C	PCB-38	(1.98)	U						
PCB-15	167		PCB-35	79.5							
			PCB-37	352							
Conc.	1,930		**Conc.**	2,780					**Conc.**	4,350	
EMPC	1,930		**EMPC**	2,780					**EMPC**	4,350	

Totals	Conc.	EMPC
Mono-Tri	5,920	5,920
Tetra-Hexa	13,100	13,200
Hepta-Deca	9,220	9,290
Mono-Deca	28,300	28,400

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Sample ID: D15-BOR-21 (0-0.5) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	1.13	J	PCB-108/119/86/97/125/87	381	B C	PCB-155	6.2		PCB-165	(0.696)	U
PCB-96	11.2		PCB-117	15.5		PCB-152	1.28	J	PCB-146	234	
PCB-103	21.6		PCB-116/85	112	C	PCB-150	10.3		PCB-161	(0.642)	U
PCB-94	10.5		PCB-110	765	B	PCB-136	158	B	PCB-153/168	784	B C
PCB-95	557	B	PCB-115	12.4		PCB-145	(0.602)	U	PCB-141	110	
PCB-100/93	23.4	C	PCB-82	64.2		PCB-148	[7.03]	EMPC	PCB-130	68.9	
PCB-102	26.1		PCB-111	(3.97)	U	PCB-151/135	381	B C	PCB-137	19.1	
PCB-98	[13.4]	EMPC	PCB-120	8.15		PCB-154	47.6		PCB-164	73.4	
PCB-88	197		PCB-107/124	17.7	C	PCB-144	31.3		PCB-163/138/129	853	B C
PCB-91	(4.59)	U	PCB-109	46.2		PCB-147/149	895	B C	PCB-160	12.6	
PCB-84	203		PCB-123	10.1		PCB-134	51.9		PCB-158	53.7	
PCB-89	11.8		PCB-106	(4.1)	U	PCB-143	(0.868)	U	PCB-128/166	143	C
PCB-121	(4.17)	U	PCB-118	430	B	PCB-139/140	18.7	C	PCB-159	15.2	
PCB-92	162		PCB-122	[9.44]	EMPC	PCB-131	8.87		PCB-162	10.4	
PCB-113/90/101	669	B C	PCB-114	10.5		PCB-142	4.24		PCB-167	36.2	
PCB-83	37.4		PCB-105	162	B	PCB-132	274		PCB-156/157	80.3	C
PCB-99	406	B	PCB-127	(3.91)	U	PCB-133	34.9		PCB-169	[3.6]	EMPC
PCB-112	(4.25)	U	PCB-126	3.16							
			Conc.	4,380					**Conc.**	4,420	
			EMPC	4,400					**EMPC**	4,430	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	13.6		PCB-174	335		PCB-202	183		PCB-208	827	
PCB-179	157		PCB-177	208		PCB-201	71.4		PCB-207	159	
PCB-184	5.36		PCB-181	(2.02)	U	PCB-204	3.58		PCB-206	1,700	
PCB-176	[34.8]	EMPC	PCB-171/173	80.5	C	PCB-197	22.4				
PCB-186	(0.545)	U	PCB-172	52.2		PCB-200	27.1		**Conc.**	2,680	
PCB-178	88.1		PCB-192	5.03		PCB-198/199	558	C	**EMPC**	2,680	
PCB-175	18.7		PCB-180/193	580	C	PCB-196	164				
PCB-187	540		PCB-191	[9.35]	EMPC	PCB-203	228		**Deca**	**Conc.**	**Qualifiers**
PCB-182	[8.13]	EMPC	PCB-170	241		PCB-195	67.2		PCB-209	2,400	
PCB-183	188		PCB-190	50.6		PCB-194	225				
PCB-185	21.6		PCB-189	10.4		PCB-205	[11.5]	EMPC			
			Conc.	2,590		**Conc.**	1,550				
			EMPC	2,650		**EMPC**	1,560				

Sample ID: D15-BOR-21 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.81 g	Sample ID:	B1566_15466_PCB_002-R1	Date Extracted:	18-Jan-2018
Date Collected:	04-Nov-2017	% Solid	50.3 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	1,330				ES PCB-1	50.9
PCB-81 344'5-TeCB	34.6				ES PCB-3	57.1
PCB-105 233'44'-PeCB	2,640			B	ES PCB-4	57.1
PCB-114 2344'5-PeCB	192				ES PCB-15	73.9
PCB-118 23'44'5-PeCB	6,730			B	ES PCB-19	55.4
PCB-123 23'44'5'-PeCB	135				ES PCB-37	64.2
PCB-126 33'44'5-PeCB	19.9				ES PCB-54	52.2
PCB-156/157 233'44'5/233'44'5'-HxCB	832			C	ES PCB-77	69.3
PCB-167 23'44'55'-HxCB	314				ES PCB-81	67.8
PCB-169 33'44'55'-HxCB	ND	5.77		U	ES PCB-104	74.4
PCB-189 233'44'55'-HpCB	85.2				ES PCB-105	73.1
					ES PCB-114	72.1
TEQs (WHO 2005 M/H)					ES PCB-118	77.2
					ES PCB-123	77.9
ND = 0	2.46		2.46		ES PCB-126	66.7
ND = 0.5 x DL	2.55		2.55		ES PCB-153	79.8
ND = DL	2.64		2.64		ES PCB-155	84.6
					ES PCB-156/157	65.3 C
Totals					ES PCB-167	69.9
Mono-CB	3,130				ES PCB-169	54.2
Di-CB	18,500				ES PCB-170	109
Tri-CB	87,700				ES PCB-180	116
Tetra-CB	133,000				ES PCB-188	77.1
Penta-CB	66,800				ES PCB-189	97.1
Hexa-CB	43,300		43,300		ES PCB-202	75.7
Hepta-CB	23,200				ES PCB-205	75.8
Octa-CB	7,250				ES PCB-206	89.2
Nona-CB	8,580				ES PCB-208	104
Deca-CB	11,000			E	ES PCB-209	89.7
					CS PCB-28	73.5
Total PCB (Mono-Deca)	403,000		403,000		CS PCB-111	82.5
					CS PCB-178	76.7

Checkcode: 010-603-YYG/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:57 Analyst: MS

Sample ID: D15-BOR-21 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.81 g	Sample ID:	B1566_15466_PCB_002-R1	Date Extracted:	18-Jan-2018
Date Collected:	04-Nov-2017	% Solid	50.3 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	1,330				ES PCB-1	50.9
PCB-81 344'5-TeCB	34.6				ES PCB-3	57.1
PCB-105 233'44'-PeCB	2,640			B	ES PCB-4	57.1
PCB-114 2344'5-PeCB	192				ES PCB-15	73.9
PCB-118 23'44'5-PeCB	6,730			B	ES PCB-19	55.4
PCB-123 23'44'5'-PeCB	135				ES PCB-37	64.2
PCB-126 33'44'5-PeCB	19.9				ES PCB-54	52.2
PCB-156/157 233'44'5/233'44'5'-HxCB	832			C	ES PCB-77	69.3
PCB-167 23'44'55'-HxCB	314				ES PCB-81	67.8
PCB-169 33'44'55'-HxCB	ND	5.77		U	ES PCB-104	74.4
PCB-189 233'44'55'-HpCB	85.2				ES PCB-105	73.1
					ES PCB-114	72.1
TEQs (WHO 1998 M/H)					ES PCB-118	77.2
					ES PCB-123	77.9
ND = 0	3.6		3.6		ES PCB-126	66.7
ND = 0.5 x DL	3.63		3.63		ES PCB-153	79.8
ND = DL	3.66		3.66		ES PCB-155	84.6
					ES PCB-156/157	65.3 C
Totals					ES PCB-167	69.9
Mono-CB	3,130				ES PCB-169	54.2
Di-CB	18,500				ES PCB-170	109
Tri-CB	87,700				ES PCB-180	116
Tetra-CB	133,000				ES PCB-188	77.1
Penta-CB	66,800				ES PCB-189	97.1
Hexa-CB	43,300		43,300		ES PCB-202	75.7
Hepta-CB	23,200				ES PCB-205	75.8
Octa-CB	7,250				ES PCB-206	89.2
Nona-CB	8,580				ES PCB-208	104
Deca-CB	11,000			E	ES PCB-209	89.7
					CS PCB-28	73.5
Total PCB (Mono-Deca)	403,000		403,000		CS PCB-111	82.5
					CS PCB-178	76.7

Checkcode: 010-603-YYG/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:57 Analyst: MS

Sample ID: D15-BOR-21 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.81 g	Sample ID:	B1566_15466_PCB_002-R1	Date Extracted:	18-Jan-2018
Date Collected:	04-Nov-2017	% Solid	50.3 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018
		Units	pg/g	Checkcode:	010-603-YYG/A	Time Analyzed:	20:11:44

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1,250	B	PCB-19	1,030		PCB-54	44		PCB-72	181	
PCB-2	872		PCB-30/18	12,600	B C	PCB-50/53	2,380	C	PCB-68	99.3	
PCB-3	1,000		PCB-17	6,860	B	PCB-45	3,280		PCB-57	76.3	
			PCB-27	1,070		PCB-51	897		PCB-58	68.4	
Conc.	3,130		PCB-24	309		PCB-46	1,310		PCB-67	537	
EMPC	3,130		PCB-16	7,830	B	PCB-52	19,900	E B	PCB-63	560	
			PCB-32	3,740	B	PCB-73	(0.914)	U	PCB-61/70/74/76	22,500	B C
Di	**Conc.**	**Qualifiers**	PCB-34	239		PCB-43	694		PCB-66	12,900	E B
PCB-4	2,770		PCB-23	33.8		PCB-69/49	10,800	B C	PCB-55	242	
PCB-10	89.7		PCB-26/29	3,600	C	PCB-48	4,350	B	PCB-56	8,290	B
PCB-9	868		PCB-25	2,710		PCB-44/47/65	17,100	B C	PCB-60	1,960	
PCB-7	289		PCB-31	14,100	E B	PCB-59/62/75	1,630	C	PCB-80	(15.8)	U
PCB-6	3,840		PCB-28/20	17,200	E B C	PCB-42	5,320		PCB-79	158	
PCB-5	648		PCB-21/33	6,940	B C	PCB-41	935		PCB-78	(19.9)	U
PCB-8	5,360	B	PCB-22	5,470	B	PCB-71/40	8,900	B C	PCB-81	34.6	
PCB-14	263		PCB-36	65.1		PCB-64	6,640	B	PCB-77	1,330	
PCB-11	1,050	B	PCB-39	226							
PCB-13/12	2,050	C	PCB-38	32.5							
PCB-15	1,300		PCB-35	672							
			PCB-37	3,000							
Conc.	18,500		**Conc.**	87,700					**Conc.**	133,000	
EMPC	18,500		**EMPC**	87,700					**EMPC**	133,000	

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Totals	Conc.	EMPC
Mono-Tri	109,000	109,000
Tetra-Hexa	243,000	243,000
Hepta-Deca	50,000	50,000
Mono-Deca	403,000	403,000

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Sample ID: D15-BOR-21 (0.5-1.0) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	4.28		PCB-108/119/86/97/125/87	6,810	B C	PCB-155	23.1		PCB-165	6.41	
PCB-96	189		PCB-117	(15.6)	U	PCB-152	[8.47]	EMPC	PCB-146	1,800	
PCB-103	173		PCB-116/85	2,030	C	PCB-150	34.5		PCB-161	(0.488)	U
PCB-94	114		PCB-110	11,200	E B	PCB-136	1,390	B	PCB-153/168	7,590	B C
PCB-95	8,590	E B	PCB-115	(13.4)	U	PCB-145	5.7		PCB-141	1,550	
PCB-100/93	184	C	PCB-82	1,530		PCB-148	38.8		PCB-130	589	
PCB-102	605		PCB-111	(12.6)	U	PCB-151/135	4,020	B C	PCB-137	245	
PCB-98	(20.7)	U	PCB-120	49.5		PCB-154	234		PCB-164	623	
PCB-88	(23.8)	U	PCB-107/124	277	C	PCB-144	464		PCB-163/138/129	8,690	B C
PCB-91	1,540		PCB-109	650		PCB-147/149	8,450	B C	PCB-160	(0.491)	U
PCB-84	3,500		PCB-123	135		PCB-134	603		PCB-158	678	
PCB-89	283		PCB-106	(13)	U	PCB-143	(0.659)	U	PCB-128/166	1,340	C
PCB-121	(13.2)	U	PCB-118	6,730	B	PCB-139/140	174	C	PCB-159	162	
PCB-92	2,220		PCB-122	131		PCB-131	118		PCB-162	45.6	
PCB-113/90/101	10,600	B C	PCB-114	192		PCB-142	(0.735)	U	PCB-167	314	
PCB-83	522		PCB-105	2,640	B	PCB-132	3,100		PCB-156/157	832	C
PCB-99	5,900	B	PCB-127	(15)	U	PCB-133	214		PCB-169	(5.77)	U
PCB-112	(13.5)	U	PCB-126	19.9							
			Conc.	66,800					**Conc.**	43,300	
			EMPC	66,800					**EMPC**	43,300	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	18.8		PCB-174	3,280		PCB-202	678		PCB-208	2,600	
PCB-179	1,360		PCB-177	1,830		PCB-201	269		PCB-207	472	
PCB-184	13.2		PCB-181	22.3		PCB-204	5.03		PCB-206	5,520	
PCB-176	350		PCB-171/173	825	C	PCB-197	58				
PCB-186	1.13	J	PCB-172	462		PCB-200	182		**Conc.**	8,580	
PCB-178	595		PCB-192	(2.98)	U	PCB-198/199	2,110	C	**EMPC**	8,580	
PCB-175	149		PCB-180/193	5,390	C	PCB-196	729				
PCB-187	3,970		PCB-191	89.8		PCB-203	1,030		**Deca**	**Conc.**	**Qualifiers**
PCB-182	32.3		PCB-170	2,310		PCB-195	583		PCB-209	11,000	E
PCB-183	1,690		PCB-190	410		PCB-194	1,540				
PCB-185	286		PCB-189	85.2		PCB-205	72.4				
			Conc.	23,200		**Conc.**	7,250				
			EMPC	23,200		**EMPC**	7,250				

Sample ID: D15-BOR-22 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.06 g	Sample ID:	B1566_15465_PCB_003-R1-D5	Date Extracted:	17-Jan-2018
Date Collected:	03-Nov-2017	% Solid	61.5 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	167			D	ES PCB-1	51.2
PCB-81 344'5-TeCB	7.16			D	ES PCB-3	37.5
PCB-105 233'44'-PeCB	323			D B	ES PCB-4	60.8
PCB-114 2344'5-PeCB	25.2			D	ES PCB-15	84.9
PCB-118 23'44'5-PeCB	740			D B	ES PCB-19	77.8
PCB-123 23'44'5'-PeCB	15			D	ES PCB-37	102
PCB-126 33'44'5-PeCB	8.24			D	ES PCB-54	78.7
PCB-156/157 233'44'5/233'44'5'-HxCB	397			D B C	ES PCB-77	96.4
PCB-167 23'44'55'-HxCB	184			D	ES PCB-81	101
PCB-169 33'44'55'-HxCB	EMPC		17.6	D EMPC	ES PCB-104	107
PCB-189 233'44'55'-HpCB	156			D	ES PCB-105	110
					ES PCB-114	110
TEQs (WHO 2005 M/H)					ES PCB-118	112
					ES PCB-123	114
ND = 0	0.898		1.43		ES PCB-126	133
ND = 0.5 x DL	0.963		1.43		ES PCB-153	92.8
ND = DL	1.03		1.43		ES PCB-155	79
					ES PCB-156/157	101 C
Totals					ES PCB-167	85.7
Mono-CB	291,000				ES PCB-169	98.3
Di-CB	128,000				ES PCB-170	77.6
Tri-CB	10,100				ES PCB-180	76
Tetra-CB	4,280		4,320		ES PCB-188	90.3
Penta-CB	5,590		5,600		ES PCB-189	100
Hexa-CB	12,400		12,400		ES PCB-202	91.4
Hepta-CB	22,600		22,600		ES PCB-205	92.9
Octa-CB	9,020		9,030		ES PCB-206	94.7
Nona-CB	4,010				ES PCB-208	78.1
Deca-CB	3,310			D	ES PCB-209	76.5
					CS PCB-28	93.8
Total PCB (Mono-Deca)	490,000		490,000		CS PCB-111	101
					CS PCB-178	94.8

Checkcode: 971-361-DGP/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:36 Analyst: MS

Sample ID: D15-BOR-22 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.06 g	Sample ID:	B1566_15465_PCB_003-R1-D5	Date Extracted:	17-Jan-2018
Date Collected:	03-Nov-2017	% Solid	61.5 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	167			D	ES PCB-1	51.2
PCB-81 344'5-TeCB	7.16			D	ES PCB-3	37.5
PCB-105 233'44'-PeCB	323			D B	ES PCB-4	60.8
PCB-114 2344'5-PeCB	25.2			D	ES PCB-15	84.9
PCB-118 23'44'5-PeCB	740			D B	ES PCB-19	77.8
PCB-123 23'44'5'-PeCB	15			D	ES PCB-37	102
PCB-126 33'44'5-PeCB	8.24			D	ES PCB-54	78.7
PCB-156/157 233'44'5/233'44'5'-HxCB	397			D B C	ES PCB-77	96.4
PCB-167 23'44'55'-HxCB	184			D	ES PCB-81	101
PCB-169 33'44'55'-HxCB	EMPC		17.6	D EMPC	ES PCB-104	107
PCB-189 233'44'55'-HpCB	156			D	ES PCB-105	110
					ES PCB-114	110
TEQs (WHO 1998 M/H)					ES PCB-118	112
					ES PCB-123	114
ND = 0	1.18		1.35		ES PCB-126	133
ND = 0.5 x DL	1.2		1.35		ES PCB-153	92.8
ND = DL	1.22		1.22		ES PCB-155	79
					ES PCB-156/157	101 C
Totals					ES PCB-167	85.7
Mono-CB	291,000				ES PCB-169	98.3
Di-CB	128,000				ES PCB-170	77.6
Tri-CB	10,100				ES PCB-180	76
Tetra-CB	4,280		4,320		ES PCB-188	90.3
Penta-CB	5,590		5,600		ES PCB-189	100
Hexa-CB	12,400		12,400		ES PCB-202	91.4
Hepta-CB	22,600		22,600		ES PCB-205	92.9
Octa-CB	9,020		9,030		ES PCB-206	94.7
Nona-CB	4,010				ES PCB-208	78.1
Deca-CB	3,310			D	ES PCB-209	76.5
					CS PCB-28	93.8
Total PCB (Mono-Deca)	490,000		490,000		CS PCB-111	101
					CS PCB-178	94.8

Checkcode: 971-361-DGP/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:36 Analyst: MS

Sample ID: D15-BOR-22 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.06 g	Sample ID:	B1566_15465_PCB_003-R1-D5	Date Extracted:	17-Jan-2018
Date Collected:	03-Nov-2017	% Solid	61.5 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	971-361-DGP/A	Time Analyzed:	14:01:24

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	174,000	E D B	PCB-19	807	D	PCB-54	[4.87]	D EMPC	PCB-72	[20.5]	D EMPC
PCB-2	75,000	E D	PCB-30/18	1,660	D B C	PCB-50/53	71.3	D C	PCB-68	[9.61]	D EMPC
PCB-3	41,800	E D	PCB-17	396	D	PCB-45	67.5	D	PCB-57	9.16	D
			PCB-27	88	D	PCB-51	27	D	PCB-58	7.25	D
Conc.	291,000		PCB-24	346	D	PCB-46	26.4	D	PCB-67	21.8	D
EMPC	291,000		PCB-16	909	D	PCB-52	619	D B	PCB-63	31.9	D
			PCB-32	174	D B	PCB-73	[4.47]	D EMPC	PCB-61/70/74/76	827	D B C
Di	**Conc.**	**Qualifiers**	PCB-34	146	D	PCB-43	23.9	D	PCB-66	456	D B
PCB-4	51,800	E D B	PCB-23	73.5	D	PCB-69/49	314	D B C	PCB-55	(5.05)	U D
PCB-10	600	D	PCB-26/29	364	D C	PCB-48	68.1	D	PCB-56	264	D B
PCB-9	10,600	E D	PCB-25	151	D	PCB-44/47/65	534	D B C	PCB-60	68.5	D B
PCB-7	2,360	D	PCB-31	950	D B	PCB-59/62/75	55.7	D C	PCB-80	(4.35)	U D
PCB-6	15,500	E D B	PCB-28/20	741	D B C	PCB-42	127	D	PCB-79	21.3	D
PCB-5	3,740	D	PCB-21/33	861	D B C	PCB-41	27.7	D	PCB-78	(5.36)	U D
PCB-8	30,800	E D B	PCB-22	414	D	PCB-71/40	233	D B C	PCB-81	7.16	D
PCB-14	2,820	D	PCB-36	120	D	PCB-64	207	D B	PCB-77	167	D
PCB-11	1,220	D B	PCB-39	240	D						
PCB-13/12	6,580	D C	PCB-38	(6.28)	U D						
PCB-15	1,780	D B	PCB-35	356	D						
			PCB-37	1,310	D B						
Conc.	128,000		**Conc.**	10,100					**Conc.**	4,280	
EMPC	128,000		**EMPC**	10,100					**EMPC**	4,320	

Totals	Conc.	EMPC
Mono-Tri	428,000	428,000
Tetra-Hexa	22,300	22,400
Hepta-Deca	38,900	39,000
Mono-Deca	490,000	490,000

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Sample ID: D15-BOR-22 (0-0.5) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	[2.2]	D EMPC	PCB-108/119/86/97/125/87	540	D B C	PCB-155	7.24	D	PCB-165	(1.06)	U D
PCB-96	8.35	D	PCB-117	25.6	D	PCB-152	(1.01)	U D	PCB-146	517	D
PCB-103	18	D	PCB-116/85	190	D B C	PCB-150	[10.9]	D EMPC	PCB-161	(0.974)	U D
PCB-94	(11.3)	U D	PCB-110	994	D B	PCB-136	197	D	PCB-153/168	3,130	D B C
PCB-95	626	D B	PCB-115	(8.02)	U D	PCB-145	(1.05)	U D	PCB-141	643	D
PCB-100/93	24.3	D C	PCB-82	84.9	D	PCB-148	8.98	D	PCB-130	144	D
PCB-102	42.1	D	PCB-111	(7.69)	U D	PCB-151/135	638	D C	PCB-137	35.7	D
PCB-98	(10.5)	U D	PCB-120	(7.66)	U D	PCB-154	53.8	D	PCB-164	216	D
PCB-88	(11.2)	U D	PCB-107/124	31.2	D C	PCB-144	85	D	PCB-163/138/129	3,020	D B C
PCB-91	137	D B	PCB-109	74.2	D	PCB-147/149	1,620	D B C	PCB-160	23.1	D
PCB-84	212	D B	PCB-123	15	D	PCB-134	86.7	D	PCB-158	261	D
PCB-89	(11.6)	U D	PCB-106	(8.16)	U D	PCB-143	(1.24)	U D	PCB-128/166	409	D B C
PCB-121	(7.59)	U D	PCB-118	740	D B	PCB-139/140	21.4	D C	PCB-159	102	D
PCB-92	171	D	PCB-122	(9.87)	U D	PCB-131	14	D	PCB-162	21.9	D
PCB-113/90/101	820	D B C	PCB-114	25.2	D	PCB-142	[9.31]	D EMPC	PCB-167	184	D
PCB-83	48.3	D	PCB-105	323	D B	PCB-132	507	D B	PCB-156/157	397	D B C
PCB-99	437	D B	PCB-127	(9.21)	U D	PCB-133	58.5	D	PCB-169	[17.6]	D EMPC
PCB-112	(8.05)	U D	PCB-126	8.24	D						
			Conc.	5,590					**Conc.**	12,400	
			EMPC	5,600					**EMPC**	12,400	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[12.8]	D EMPC	PCB-174	2,370	D B	PCB-202	393	D	PCB-208	1,150	D
PCB-179	741	D	PCB-177	1,410	D	PCB-201	254	D	PCB-207	224	D
PCB-184	6.85	D	PCB-181	(2.61)	U D	PCB-204	[3.94]	D EMPC	PCB-206	2,630	D
PCB-176	241	D	PCB-171/173	787	D C	PCB-197	80	D			
PCB-186	(0.617)	U D	PCB-172	530	D	PCB-200	223	D	**Conc.**	4,010	
PCB-178	501	D	PCB-192	[6.33]	D EMPC	PCB-198/199	2,400	D B C	**EMPC**	4,010	
PCB-175	108	D	PCB-180/193	7,280	D B C	PCB-196	1,140	D			
PCB-187	2,900	D B	PCB-191	134	D	PCB-203	1,320	D B	**Deca**	**Conc.**	**Qualifiers**
PCB-182	(2.48)	U D	PCB-170	3,030	D B	PCB-195	868	D	PCB-209	3,310	D
PCB-183	1,590	D B	PCB-190	633	D	PCB-194	2,230	D B			
PCB-185	192	D	PCB-189	156	D	PCB-205	116	D			
			Conc.	22,600		**Conc.**	9,020				
			EMPC	22,600		**EMPC**	9,030				

Sample ID: D15-BOR-22 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.38 g	Sample ID:	B1566_15465_PCB_004-R1	Date Extracted:	17-Jan-2018
Date Collected:	03-Nov-2017	% Solid	82.4 %	QC Batch No.:	15465	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	19.6				ES PCB-1	30.5
PCB-81 344'5-TeCB	ND	0.85		U	ES PCB-3	14.1 V
PCB-105 233'44'-PeCB	8.59			B	ES PCB-4	67.7
PCB-114 2344'5-PeCB	ND	0.634		U	ES PCB-15	81
PCB-118 23'44'5-PeCB	23.1			B	ES PCB-19	78.4
PCB-123 23'44'5'-PeCB	ND	0.644		U	ES PCB-37	96.4
PCB-126 33'44'5-PeCB	ND	0.55		U	ES PCB-54	87.3
PCB-156/157 233'44'5/233'44'5'-HxCB	EMPC		2.48	B EMPC C	ES PCB-77	93.7
PCB-167 23'44'55'-HxCB	EMPC		1.26	J EMPC	ES PCB-81	98.1
PCB-169 33'44'55'-HxCB	ND	0.58		U	ES PCB-104	92.4
PCB-189 233'44'55'-HpCB	ND	0.464		U	ES PCB-105	97.3
					ES PCB-114	98.5
TEQs (WHO 2005 M/H)					ES PCB-118	96.1
					ES PCB-123	102
ND = 0	0.00291		0.00302		ES PCB-126	112
ND = 0.5 x DL	0.0393		0.0394		ES PCB-153	90.5
ND = DL	0.0757		0.0758		ES PCB-155	79.7
					ES PCB-156/157	92.4 C
Totals					ES PCB-167	86.1
Mono-CB	10,500				ES PCB-169	91.5
Di-CB	10,200				ES PCB-170	78.1
Tri-CB	884		888		ES PCB-180	76.3
Tetra-CB	233		239		ES PCB-188	89.7
Penta-CB	149		152		ES PCB-189	92.5
Hexa-CB	89		106		ES PCB-202	93.3
Hepta-CB	38.2		49		ES PCB-205	92.9
Octa-CB	37.7		46.3		ES PCB-206	92.8
Nona-CB	149				ES PCB-208	84.2
Deca-CB	108				ES PCB-209	103
					CS PCB-28	90.1
Total PCB (Mono-Deca)	22,300		22,400		CS PCB-111	98.3
					CS PCB-178	94.3

Checkcode: 173-502-BBY/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:33 Analyst: MS

Sample ID: D15-BOR-22 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.38 g	Sample ID:	B1566_15465_PCB_004-R1	Date Extracted:	17-Jan-2018
Date Collected:	03-Nov-2017	% Solid	82.4 %	QC Batch No.:	15465	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	19.6				ES PCB-1	30.5
PCB-81 344'5-TeCB	ND	0.85		U	ES PCB-3	14.1 V
PCB-105 233'44'-PeCB	8.59			B	ES PCB-4	67.7
PCB-114 2344'5-PeCB	ND	0.634		U	ES PCB-15	81
PCB-118 23'44'5-PeCB	23.1			B	ES PCB-19	78.4
PCB-123 23'44'5'-PeCB	ND	0.644		U	ES PCB-37	96.4
PCB-126 33'44'5-PeCB	ND	0.55		U	ES PCB-54	87.3
PCB-156/157 233'44'5/233'44'5'-HxCB	EMPC		2.48	B EMPC C	ES PCB-77	93.7
PCB-167 23'44'55'-HxCB	EMPC		1.26	J EMPC	ES PCB-81	98.1
PCB-169 33'44'55'-HxCB	ND	0.58		U	ES PCB-104	92.4
PCB-189 233'44'55'-HpCB	ND	0.464		U	ES PCB-105	97.3
					ES PCB-114	98.5
TEQs (WHO 1998 M/H)					ES PCB-118	96.1
					ES PCB-123	102
ND = 0	0.00513		0.00638		ES PCB-126	112
ND = 0.5 x DL	0.036		0.0371		ES PCB-153	90.5
ND = DL	0.0669		0.0669		ES PCB-155	79.7
					ES PCB-156/157	92.4 C
Totals					ES PCB-167	86.1
Mono-CB	10,500				ES PCB-169	91.5
Di-CB	10,200				ES PCB-170	78.1
Tri-CB	884		888		ES PCB-180	76.3
Tetra-CB	233		239		ES PCB-188	89.7
Penta-CB	149		152		ES PCB-189	92.5
Hexa-CB	89		106		ES PCB-202	93.3
Hepta-CB	38.2		49		ES PCB-205	92.9
Octa-CB	37.7		46.3		ES PCB-206	92.8
Nona-CB	149				ES PCB-208	84.2
Deca-CB	108				ES PCB-209	103
					CS PCB-28	90.1
Total PCB (Mono-Deca)	22,300		22,400		CS PCB-111	98.3
					CS PCB-178	94.3

Checkcode: 173-502-BBY/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:33 Analyst: MS

Sample ID: D15-BOR-22 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.38 g	Sample ID:	B1566_15465_PCB_004-R1	Date Extracted:	17-Jan-2018
Date Collected:	03-Nov-2017	% Solid	82.4 %	QC Batch No.:	15465	Date Analyzed:	23-Jan-2018
		Units	pg/g	Checkcode:	173-502-BBY/A	Time Analyzed:	18:45:45

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1,890	B	PCB-19	96.6		PCB-54	(0.385)	U	PCB-72	(0.701)	U
PCB-2	3,500		PCB-30/18	201	B C	PCB-50/53	[1.22]	J EMPC C	PCB-68	(0.654)	U
PCB-3	5,070		PCB-17	44.7		PCB-45	[1.42]	J EMPC	PCB-57	(0.73)	U
			PCB-27	6.29		PCB-51	(0.649)	U	PCB-58	(0.708)	U
Conc.	10,500		PCB-24	33.9		PCB-46	(0.873)	U	PCB-67	0.964	J
EMPC	10,500		PCB-16	97.2		PCB-52	17.5	B	PCB-63	1.12	J
			PCB-32	15.4	B	PCB-73	(0.568)	U	PCB-61/70/74/76	87.5	B C
Di	**Conc.**	**Qualifiers**	PCB-34	6.47		PCB-43	(0.879)	U	PCB-66	18.6	B
PCB-4	1,720	B	PCB-23	4.7		PCB-69/49	8.31	B C	PCB-55	(0.787)	U
PCB-10	18.7		PCB-26/29	23.6	C	PCB-48	2.97		PCB-56	41	B
PCB-9	742		PCB-25	[4.24]	EMPC	PCB-44/47/65	15.6	B C	PCB-60	3.04	B
PCB-7	187		PCB-31	41.8	B	PCB-59/62/75	[1.39]	J EMPC C	PCB-80	(0.681)	U
PCB-6	1,320	B	PCB-28/20	31.3	B C	PCB-42	4.02		PCB-79	(0.71)	U
PCB-5	227		PCB-21/33	58.8	B C	PCB-41	[1.37]	J EMPC	PCB-78	(0.848)	U
PCB-8	2,880	B	PCB-22	21		PCB-71/40	7.64	B C	PCB-81	(0.85)	U
PCB-14	396		PCB-36	4.46		PCB-64	5.57	B	PCB-77	19.6	
PCB-11	202	B	PCB-39	12.1							
PCB-13/12	1,510	C	PCB-38	(1.27)	U						
PCB-15	946	B	PCB-35	61							
			PCB-37	124	B						
Conc.	10,200		**Conc.**	884					**Conc.**	233	
EMPC	10,200		**EMPC**	888					**EMPC**	239	

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Totals	Conc.	EMPC
Mono-Tri	21,500	21,500
Tetra-Hexa	471	497
Hepta-Deca	332	352
Mono-Deca	22,300	22,400

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Sample ID: D15-BOR-22 (0.5-1.0) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.415)	U	PCB-108/119/86/97/125/87	17.8	B C	PCB-155	(0.392)	U	PCB-165	(0.4)	U
PCB-96	(0.433)	U	PCB-117	[0.572]	J EMPC	PCB-152	(0.381)	U	PCB-146	4.47	
PCB-103	(0.626)	U	PCB-116/85	5.41	B C	PCB-150	(0.376)	U	PCB-161	(0.373)	U
PCB-94	(0.717)	U	PCB-110	27.3	B	PCB-136	4.52		PCB-153/168	17.7	B C
PCB-95	14.3	B	PCB-115	(0.565)	U	PCB-145	(0.403)	U	PCB-141	3.88	
PCB-100/93	(0.663)	U C	PCB-82	[3]	EMPC	PCB-148	(0.472)	U	PCB-130	1.89	
PCB-102	(0.638)	U	PCB-111	(0.524)	U	PCB-151/135	9.57	C	PCB-137	[0.613]	J EMPC
PCB-98	(0.736)	U	PCB-120	(0.529)	U	PCB-154	(0.431)	U	PCB-164	2.01	
PCB-88	(0.856)	U	PCB-107/124	(0.584)	U C	PCB-144	[0.972]	J EMPC	PCB-163/138/129	21.5	B C
PCB-91	3	B	PCB-109	1.79	J	PCB-147/149	20.5	B C	PCB-160	(0.384)	U
PCB-84	5.9	B	PCB-123	(0.644)	U	PCB-134	[1.43]	J EMPC	PCB-158	2.1	
PCB-89	(0.787)	U	PCB-106	(0.582)	U	PCB-143	(0.491)	U	PCB-128/166	[2.94]	B EMPC C
PCB-121	(0.518)	U	PCB-118	23.1	B	PCB-139/140	(0.466)	U C	PCB-159	(0.465)	U
PCB-92	4.85		PCB-122	(0.632)	U	PCB-131	(0.536)	U	PCB-162	(0.462)	U
PCB-113/90/101	24.5	B C	PCB-114	(0.634)	U	PCB-142	(0.532)	U	PCB-167	[1.26]	J EMPC
PCB-83	(0.992)	U	PCB-105	8.59	B	PCB-132	[7.43]	B EMPC	PCB-156/157	[2.48]	B EMPC C
PCB-99	12.1	B	PCB-127	(0.578)	U	PCB-133	0.966	J	PCB-169	(0.58)	U
PCB-112	(0.564)	U	PCB-126	(0.55)	U						
			Conc.	149					**Conc.**	89	
			EMPC	152					**EMPC**	106	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.288)	U	PCB-174	[5.72]	B EMPC	PCB-202	7.24		PCB-208	45	
PCB-179	3.05		PCB-177	3.42		PCB-201	1.38	J	PCB-207	5.94	
PCB-184	(0.296)	U	PCB-181	(0.635)	U	PCB-204	(0.199)	U	PCB-206	97.8	
PCB-176	[0.791]	J EMPC	PCB-171/173	[1.78]	J EMPC C	PCB-197	(0.187)	U			
PCB-186	(0.287)	U	PCB-172	1.33	J	PCB-200	[0.668]	J EMPC	**Conc.**	149	
PCB-178	[1.54]	J EMPC	PCB-192	(0.534)	U	PCB-198/199	21.3	B C	**EMPC**	149	
PCB-175	(0.652)	U	PCB-180/193	12.4	B C	PCB-196	[3.49]	EMPC			
PCB-187	8.58	B	PCB-191	(0.513)	U	PCB-203	7.77	B	**Deca**	**Conc.**	**Qualifiers**
PCB-182	(0.594)	U	PCB-170	5.41	B	PCB-195	(0.479)	U	PCB-209	108	
PCB-183	3.33	B	PCB-190	[0.99]	J EMPC	PCB-194	[4.44]	B EMPC			
PCB-185	0.676	J	PCB-189	(0.464)	U	PCB-205	(0.41)	U			
			Conc.	38.2		**Conc.**	37.7				
			EMPC	49		**EMPC**	46.3				

Sample ID: D15-BOR-23 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.71 g	Sample ID:	B1566_15465_PCB_005-R1	Date Extracted:	17-Jan-2018
Date Collected:	03-Nov-2017	% Solid	47.5 %	QC Batch No.:	15465	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	4,030				ES PCB-1	44.8
PCB-81 344'5-TeCB	4.85				ES PCB-3	46.9
PCB-105 233'44'-PeCB	548			B	ES PCB-4	53.1
PCB-114 2344'5-PeCB	24				ES PCB-15	64.3
PCB-118 23'44'5-PeCB	1,180			B	ES PCB-19	58.9
PCB-123 23'44'5'-PeCB	22.5				ES PCB-37	81.5
PCB-126 33'44'5-PeCB	11.5				ES PCB-54	63.1
PCB-156/157 233'44'5/233'44'5'-HxCB	185			B C	ES PCB-77	78.7
PCB-167 23'44'55'-HxCB	79.4				ES PCB-81	80.4
PCB-169 33'44'55'-HxCB	ND	4.19		U	ES PCB-104	78.5
PCB-189 233'44'55'-HpCB	24.2				ES PCB-105	83.4
					ES PCB-114	83.2
TEQs (WHO 2005 M/H)					ES PCB-118	80.3
					ES PCB-123	82.8
ND = 0	1.62		1.62		ES PCB-126	93.2
ND = 0.5 x DL	1.68		1.68		ES PCB-153	73
ND = DL	1.75		1.75		ES PCB-155	62
					ES PCB-156/157	73.4 C
Totals					ES PCB-167	76.7
Mono-CB	5,930				ES PCB-169	68.9
Di-CB	11,600				ES PCB-170	68.5
Tri-CB	18,700				ES PCB-180	67.1
Tetra-CB	22,900		23,000		ES PCB-188	71.4
Penta-CB	8,680		8,780		ES PCB-189	82.2
Hexa-CB	8,320		8,320		ES PCB-202	71.7
Hepta-CB	4,540		4,550		ES PCB-205	77.9
Octa-CB	2,490				ES PCB-206	82.1
Nona-CB	4,930				ES PCB-208	69.9
Deca-CB	5,530				ES PCB-209	86.4
					CS PCB-28	80.2
Total PCB (Mono-Deca)	93,700		93,800		CS PCB-111	84.8
					CS PCB-178	75.1

Checkcode: 017-081-TPZ/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:34 Analyst: MS

Sample ID: D15-BOR-23 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.71 g	Sample ID:	B1566_15465_PCB_005-R1	Date Extracted:	17-Jan-2018
Date Collected:	03-Nov-2017	% Solid	47.5 %	QC Batch No.:	15465	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	4,030				ES PCB-1	44.8
PCB-81 344'5-TeCB	4.85				ES PCB-3	46.9
PCB-105 233'44'-PeCB	548			B	ES PCB-4	53.1
PCB-114 2344'5-PeCB	24				ES PCB-15	64.3
PCB-118 23'44'5-PeCB	1,180			B	ES PCB-19	58.9
PCB-123 23'44'5'-PeCB	22.5				ES PCB-37	81.5
PCB-126 33'44'5-PeCB	11.5				ES PCB-54	63.1
PCB-156/157 233'44'5/233'44'5'-HxCB	185			B C	ES PCB-77	78.7
PCB-167 23'44'55'-HxCB	79.4				ES PCB-81	80.4
PCB-169 33'44'55'-HxCB	ND	4.19		U	ES PCB-104	78.5
PCB-189 233'44'55'-HpCB	24.2				ES PCB-105	83.4
					ES PCB-114	83.2
TEQs (WHO 1998 M/H)					ES PCB-118	80.3
					ES PCB-123	82.8
ND = 0	1.84		1.84		ES PCB-126	93.2
ND = 0.5 x DL	1.86		1.86		ES PCB-153	73
ND = DL	1.88		1.88		ES PCB-155	62
					ES PCB-156/157	73.4 C
Totals					ES PCB-167	76.7
Mono-CB	5,930				ES PCB-169	68.9
Di-CB	11,600				ES PCB-170	68.5
Tri-CB	18,700				ES PCB-180	67.1
Tetra-CB	22,900		23,000		ES PCB-188	71.4
Penta-CB	8,680		8,780		ES PCB-189	82.2
Hexa-CB	8,320		8,320		ES PCB-202	71.7
Hepta-CB	4,540		4,550		ES PCB-205	77.9
Octa-CB	2,490				ES PCB-206	82.1
Nona-CB	4,930				ES PCB-208	69.9
Deca-CB	5,530				ES PCB-209	86.4
					CS PCB-28	80.2
Total PCB (Mono-Deca)	93,700		93,800		CS PCB-111	84.8
					CS PCB-178	75.1

Checkcode: 017-081-TPZ/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:34 Analyst: MS

Sample ID: D15-BOR-23 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.71 g	Sample ID:	B1566_15465_PCB_005-R1	Date Extracted:	17-Jan-2018
Date Collected:	03-Nov-2017	% Solid	47.5 %	QC Batch No.:	15465	Date Analyzed:	23-Jan-2018
		Units	pg/g	Checkcode:	017-081-TPZ/A	Time Analyzed:	19:43:45

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	3,700	B	PCB-19	110		PCB-54	7.27		PCB-72	15.6	
PCB-2	1,010		PCB-30/18	741	B C	PCB-50/53	158	C	PCB-68	23.9	
PCB-3	1,210		PCB-17	272		PCB-45	183		PCB-57	9.65	
			PCB-27	112		PCB-51	54.2		PCB-58	12.9	
Conc.	5,930		PCB-24	45.7		PCB-46	68		PCB-67	31	
EMPC	5,930		PCB-16	4,190		PCB-52	1,070	B	PCB-63	46.8	
			PCB-32	228	B	PCB-73	[4.59]	EMPC	PCB-61/70/74/76	1,720	B C
Di	**Conc.**	**Qualifiers**	PCB-34	19.1		PCB-43	38		PCB-66	860	B
PCB-4	1,960	B	PCB-23	10.7		PCB-69/49	569	B C	PCB-55	[11.9]	EMPC
PCB-10	27.9		PCB-26/29	269	C	PCB-48	140		PCB-56	9,490	E B
PCB-9	373		PCB-25	121		PCB-44/47/65	1,230	B C	PCB-60	144	B
PCB-7	64.2		PCB-31	659	B	PCB-59/62/75	98.7	C	PCB-80	(2.82)	U
PCB-6	1,330	B	PCB-28/20	2,140	B C	PCB-42	295		PCB-79	[29.6]	EMPC
PCB-5	2,330		PCB-21/33	3,740	B C	PCB-41	51.3		PCB-78	(3.51)	U
PCB-8	1,670	B	PCB-22	2,270		PCB-71/40	2,210	B C	PCB-81	4.85	
PCB-14	74.9		PCB-36	16.3		PCB-64	357	B	PCB-77	4,030	
PCB-11	451	B	PCB-39	22.2							
PCB-13/12	2,650	C	PCB-38	(3.38)	U						
PCB-15	686	B	PCB-35	1,850							
			PCB-37	1,910	B						
Conc.	11,600		**Conc.**	18,700					**Conc.**	22,900	
EMPC	11,600		**EMPC**	18,700					**EMPC**	23,000	

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Totals	Conc.	EMPC
Mono-Tri	36,300	36,300
Tetra-Hexa	39,900	40,000
Hepta-Deca	17,500	17,500
Mono-Deca	93,700	93,800

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Sample ID: D15-BOR-23 (0-0.5) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	[1.73]	J EMPC	PCB-108/119/86/97/125/87	888	B C	PCB-155	8.95		PCB-165	(0.531)	U
PCB-96	19.3		PCB-117	[22.7]	EMPC	PCB-152	2.91		PCB-146	360	
PCB-103	22.7		PCB-116/85	231	B C	PCB-150	12.2		PCB-161	(0.495)	U
PCB-94	13.7		PCB-110	1,530	B	PCB-136	286		PCB-153/168	1,550	B C
PCB-95	951	B	PCB-115	(6.47)	U	PCB-145	[1.31]	J EMPC	PCB-141	269	
PCB-100/93	24.6	C	PCB-82	183		PCB-148	10.3		PCB-130	129	
PCB-102	49.3		PCB-111	(5.99)	U	PCB-151/135	636	C	PCB-137	56.1	
PCB-98	20.9		PCB-120	9.88		PCB-154	56.8		PCB-164	122	
PCB-88	(9.79)	U	PCB-107/124	43.2	C	PCB-144	67.3		PCB-163/138/129	1,850	B C
PCB-91	179	B	PCB-109	121		PCB-147/149	1,470	B C	PCB-160	(0.51)	U
PCB-84	368	B	PCB-123	22.5		PCB-134	94.8		PCB-158	142	
PCB-89	20.7		PCB-106	(6.66)	U	PCB-143	(0.652)	U	PCB-128/166	253	B C
PCB-121	(5.93)	U	PCB-118	1,180	B	PCB-139/140	30.9	C	PCB-159	15.9	
PCB-92	263		PCB-122	20.8		PCB-131	20.4		PCB-162	16.1	
PCB-113/90/101	1,270	B C	PCB-114	24		PCB-142	(0.706)	U	PCB-167	79.4	
PCB-83	[70.5]	EMPC	PCB-105	548	B	PCB-132	545	B	PCB-156/157	185	B C
PCB-99	660	B	PCB-127	(7.22)	U	PCB-133	48.1		PCB-169	(4.19)	U
PCB-112	(6.45)	U	PCB-126	11.5							
			Conc.	8,680					**Conc.**	8,320	
			EMPC	8,780					**EMPC**	8,320	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[12.2]	EMPC	PCB-174	570	B	PCB-202	285		PCB-208	1,560	
PCB-179	257		PCB-177	357		PCB-201	110		PCB-207	270	
PCB-184	7.59		PCB-181	4.51		PCB-204	3.26		PCB-206	3,100	
PCB-176	69.3		PCB-171/173	156	C	PCB-197	35.7				
PCB-186	(0.587)	U	PCB-172	95.3		PCB-200	49.4		**Conc.**	4,930	
PCB-178	142		PCB-192	(1.1)	U	PCB-198/199	867	B C	**EMPC**	4,930	
PCB-175	29.6		PCB-180/193	1,090	B C	PCB-196	264				
PCB-187	787	B	PCB-191	17.9		PCB-203	378	B	**Deca**	**Conc.**	**Qualifiers**
PCB-182	8.66		PCB-170	464	B	PCB-195	121		PCB-209	5,530	
PCB-183	317	B	PCB-190	92.6		PCB-194	356	B			
PCB-185	48.5		PCB-189	24.2		PCB-205	19.4				
			Conc.	4,540		**Conc.**	2,490				
			EMPC	4,550		**EMPC**	2,490				

Sample ID: D15-BOR-23 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.30 g	Sample ID:	B1566_15465_PCB_006-R1-RJ	Date Extracted:	17-Jan-2018
Date Collected:	03-Nov-2017	% Solid	54.7 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	3,560			X	ES PCB-1	46.9
PCB-81 344'5-TeCB	57.3			X	ES PCB-3	57.7
PCB-105 233'44'-PeCB	5,230			X B	ES PCB-4	61
PCB-114 2344'5-PeCB	348			X	ES PCB-15	75.9
PCB-118 23'44'5-PeCB	10,800			E X B	ES PCB-19	70.1
PCB-123 23'44'5'-PeCB	254			X	ES PCB-37	97.4
PCB-126 33'44'5-PeCB	57.3			X	ES PCB-54	75.5
PCB-156/157 233'44'5/233'44'5'-HxCB	1,320			X B C	ES PCB-77	95.7
PCB-167 23'44'55'-HxCB	452			X	ES PCB-81	98.4
PCB-169 33'44'55'-HxCB	ND	3.2		U X	ES PCB-104	82.2
PCB-189 233'44'55'-HpCB	111			X	ES PCB-105	99.8
					ES PCB-114	103
TEQs (WHO 2005 M/H)					ES PCB-118	101
					ES PCB-123	107
ND = 0	6.66		6.66		ES PCB-126	114
ND = 0.5 x DL	6.71		6.71		ES PCB-153	89.6
ND = DL	6.76		6.76		ES PCB-155	78.5
					ES PCB-156/157	94.3 C
Totals					ES PCB-167	99.5
Mono-CB	16,900				ES PCB-169	96.8
Di-CB	41,100				ES PCB-170	78.8
Tri-CB	82,200				ES PCB-180	80
Tetra-CB	130,000		130,000		ES PCB-188	85.1
Penta-CB	82,800		82,900		ES PCB-189	93
Hexa-CB	50,200				ES PCB-202	90
Hepta-CB	22,700		22,700		ES PCB-205	91.7
Octa-CB	8,580				ES PCB-206	95.1
Nona-CB	9,530				ES PCB-208	83.8
Deca-CB	12,700			E X	ES PCB-209	95.7
					CS PCB-28	94
Total PCB (Mono-Deca)	456,000		456,000		CS PCB-111	97.7
					CS PCB-178	90.9

Checkcode: 773-634-PHS/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:36 Analyst: MS

Sample ID: D15-BOR-23 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.30 g	Sample ID:	B1566_15465_PCB_006-R1-RJ	Date Extracted:	17-Jan-2018
Date Collected:	03-Nov-2017	% Solid	54.7 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	3,560			X	ES PCB-1	46.9
PCB-81 344'5-TeCB	57.3			X	ES PCB-3	57.7
PCB-105 233'44'-PeCB	5,230			X B	ES PCB-4	61
PCB-114 2344'5-PeCB	348			X	ES PCB-15	75.9
PCB-118 23'44'5-PeCB	10,800			E X B	ES PCB-19	70.1
PCB-123 23'44'5'-PeCB	254			X	ES PCB-37	97.4
PCB-126 33'44'5-PeCB	57.3			X	ES PCB-54	75.5
PCB-156/157 233'44'5/233'44'5'-HxCB	1,320			X B C	ES PCB-77	95.7
PCB-167 23'44'55'-HxCB	452			X	ES PCB-81	98.4
PCB-169 33'44'55'-HxCB	ND	3.2		U X	ES PCB-104	82.2
PCB-189 233'44'55'-HpCB	111			X	ES PCB-105	99.8
					ES PCB-114	103
TEQs (WHO 1998 M/H)					ES PCB-118	101
					ES PCB-123	107
ND = 0	8.57		8.57		ES PCB-126	114
ND = 0.5 x DL	8.59		8.59		ES PCB-153	89.6
ND = DL	8.6		8.6		ES PCB-155	78.5
					ES PCB-156/157	94.3 C
Totals					ES PCB-167	99.5
Mono-CB	16,900				ES PCB-169	96.8
Di-CB	41,100				ES PCB-170	78.8
Tri-CB	82,200				ES PCB-180	80
Tetra-CB	130,000		130,000		ES PCB-188	85.1
Penta-CB	82,800		82,900		ES PCB-189	93
Hexa-CB	50,200				ES PCB-202	90
Hepta-CB	22,700		22,700		ES PCB-205	91.7
Octa-CB	8,580				ES PCB-206	95.1
Nona-CB	9,530				ES PCB-208	83.8
Deca-CB	12,700			E X	ES PCB-209	95.7
					CS PCB-28	94
Total PCB (Mono-Deca)	456,000		456,000		CS PCB-111	97.7
					CS PCB-178	90.9

Checkcode: 773-634-PHS/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:36 Analyst: MS

Sample ID: D15-BOR-23 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.30 g	Sample ID:	B1566_15465_PCB_006-R1-RJ	Date Extracted:	17-Jan-2018
Date Collected:	03-Nov-2017	% Solid	54.7 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	773-634-PHS/A	Time Analyzed:	14:56:57

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	7,160	X B	PCB-19	699	X	PCB-54	34.2	X	PCB-72	138	X
PCB-2	4,330	X	PCB-30/18	7,990	X B C	PCB-50/53	2,170	X C	PCB-68	68.2	X
PCB-3	5,390	X	PCB-17	3,850	X	PCB-45	2,690	X	PCB-57	80.3	X
			PCB-27	3,240	X	PCB-51	620	X	PCB-58	(12.1)	U X
Conc.	16,900		PCB-24	491	X	PCB-46	1,060	X	PCB-67	480	X
EMPC	16,900		PCB-16	6,170	X	PCB-52	15,800	E X B	PCB-63	549	X
			PCB-32	2,590	X B	PCB-73	[25]	X EMPC	PCB-61/70/74/76	23,700	X B C
Di	**Conc.**	**Qualifiers**	PCB-34	334	X	PCB-43	704	X	PCB-66	13,300	E X B
PCB-4	3,990	X B	PCB-23	138	X	PCB-69/49	8,920	X B C	PCB-55	165	X
PCB-10	98.3	X	PCB-26/29	2,740	X C	PCB-48	3,580	X	PCB-56	11,300	E X B
PCB-9	2,470	X	PCB-25	8,140	E X	PCB-44/47/65	15,300	X B C	PCB-60	2,920	X B
PCB-7	575	X	PCB-31	10,900	E X B	PCB-59/62/75	1,390	X C	PCB-80	(10.9)	U X
PCB-6	4,510	X B	PCB-28/20	13,200	X B C	PCB-42	4,600	X	PCB-79	146	X
PCB-5	1,900	X	PCB-21/33	8,110	X B C	PCB-41	1,580	X	PCB-78	(13.4)	U X
PCB-8	7,670	E X B	PCB-22	4,870	X	PCB-71/40	8,120	X B C	PCB-81	57.3	X
PCB-14	1,530	X	PCB-36	783	X	PCB-64	6,560	X B	PCB-77	3,560	X
PCB-11	7,910	E X B	PCB-39	415	X						
PCB-13/12	6,720	X C	PCB-38	37.6	X						
PCB-15	3,670	X B	PCB-35	1,890	X						
			PCB-37	5,580	X B						
Conc.	41,100		**Conc.**	82,200					**Conc.**	130,000	
EMPC	41,100		**EMPC**	82,200					**EMPC**	130,000	

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Totals	Conc.	EMPC
Mono-Tri	140,000	140,000
Tetra-Hexa	263,000	263,000
Hepta-Deca	53,500	53,500
Mono-Deca	456,000	456,000

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Sample ID: D15-BOR-23 (0.5-1.0) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	[4.57]	X EMPC	PCB-108/119/86/97/125/87	9,020	X B C	PCB-155	18	X	PCB-165	5.57	X
PCB-96	267	X	PCB-117	330	X	PCB-152	15	X	PCB-146	1,910	X
PCB-103	131	X	PCB-116/85	2,510	X B C	PCB-150	34	X	PCB-161	(0.764)	U X
PCB-94	120	X	PCB-110	13,600	E X B	PCB-136	1,770	X	PCB-153/168	8,550	X B C
PCB-95	9,170	E X B	PCB-115	(20.7)	U X	PCB-145	8.27	X	PCB-141	2,020	X
PCB-100/93	170	X C	PCB-82	2,140	X	PCB-148	29.9	X	PCB-130	779	X
PCB-102	578	X	PCB-111	(19.8)	U X	PCB-151/135	3,940	X C	PCB-137	404	X
PCB-98	[82.6]	X EMPC	PCB-120	41.6	X	PCB-154	157	X	PCB-164	836	X
PCB-88	(28.9)	U X	PCB-107/124	424	X C	PCB-144	523	X	PCB-163/138/129	10,900	X B C
PCB-91	1,890	X B	PCB-109	869	X	PCB-147/149	8,740	X B C	PCB-160	(0.82)	U X
PCB-84	3,940	X B	PCB-123	254	X	PCB-134	715	X	PCB-158	1,010	X
PCB-89	326	X	PCB-106	(21)	U X	PCB-143	(0.975)	U X	PCB-128/166	1,510	X B C
PCB-121	(19.5)	U X	PCB-118	10,800	E X B	PCB-139/140	196	X C	PCB-159	100	X
PCB-92	2,270	X	PCB-122	190	X	PCB-131	160	X	PCB-162	74.9	X
PCB-113/90/101	11,400	X B C	PCB-114	348	X	PCB-142	(1.09)	U X	PCB-167	452	X
PCB-83	843	X	PCB-105	5,230	X B	PCB-132	3,800	X B	PCB-156/157	1,320	X B C
PCB-99	5,900	X B	PCB-127	(25)	U X	PCB-133	247	X	PCB-169	(3.2)	U X
PCB-112	36	X	PCB-126	57.3	X						
			Conc.	82,800					**Conc.**	50,200	
			EMPC	82,900					**EMPC**	50,200	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	21	X	PCB-174	3,030	X B	PCB-202	744	X	PCB-208	2,850	X
PCB-179	1,460	X	PCB-177	1,610	X	PCB-201	290	X	PCB-207	457	X
PCB-184	13.9	X	PCB-181	22.7	X	PCB-204	8.14	X	PCB-206	6,230	X
PCB-176	395	X	PCB-171/173	806	X C	PCB-197	75.6	X			
PCB-186	(0.494)	U X	PCB-172	480	X	PCB-200	216	X	**Conc.**	9,530	
PCB-178	696	X	PCB-192	7.43	X	PCB-198/199	2,840	X B C	**EMPC**	9,530	
PCB-175	138	X	PCB-180/193	5,610	X B C	PCB-196	913	X			
PCB-187	3,380	X B	PCB-191	101	X	PCB-203	1,330	X B	**Deca**	**Conc.**	**Qualifiers**
PCB-182	[19.3]	X EMPC	PCB-170	2,470	X B	PCB-195	546	X	PCB-209	12,700	E X
PCB-183	1,560	X B	PCB-190	466	X	PCB-194	1,540	X B			
PCB-185	266	X	PCB-189	111	X	PCB-205	78.4	X			
			Conc.	22,700		**Conc.**	8,580				
			EMPC	22,700		**EMPC**	8,580				

Sample ID: D15-BOR-23-(0-0.5)-D

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.27 g	Sample ID:	B1566_15465_PCB_007-R1	Date Extracted:	17-Jan-2018
Date Collected:	03-Nov-2017	% Solid	52 %	QC Batch No.:	15465	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	188				ES PCB-1	22.8
PCB-81 344'5-TeCB	ND	2.26		U	ES PCB-3	21.2
PCB-105 233'44'-PeCB	303			B	ES PCB-4	47.8
PCB-114 2344'5-PeCB	15.8				ES PCB-15	80.3
PCB-118 23'44'5-PeCB	738			B	ES PCB-19	63.2
PCB-123 23'44'5'-PeCB	12.9				ES PCB-37	94.2
PCB-126 33'44'5-PeCB	EMPC		3.67	EMPC	ES PCB-54	68.8
PCB-156/157 233'44'5/233'44'5'-HxCB	135			B C	ES PCB-77	93.1
PCB-167 23'44'55'-HxCB	57.6				ES PCB-81	97
PCB-169 33'44'55'-HxCB	1.67			J	ES PCB-104	85.7
PCB-189 233'44'55'-HpCB	17.2				ES PCB-105	94.4
					ES PCB-114	101
TEQs (WHO 2005 M/H)					ES PCB-118	94.5
					ES PCB-123	105
ND = 0	0.107		0.474		ES PCB-126	109
ND = 0.5 x DL	0.178		0.474		ES PCB-153	89.8
ND = DL	0.248		0.475		ES PCB-155	83.2
					ES PCB-156/157	97.7 C
Totals					ES PCB-167	94.8
Mono-CB	2,570				ES PCB-169	93.9
Di-CB	2,990		3,000		ES PCB-170	75.9
Tri-CB	3,730				ES PCB-180	74.1
Tetra-CB	4,500		4,500		ES PCB-188	92.4
Penta-CB	5,300		5,340		ES PCB-189	87.7
Hexa-CB	6,240		6,260		ES PCB-202	94.7
Hepta-CB	3,300		3,310		ES PCB-205	88.3
Octa-CB	1,860				ES PCB-206	89
Nona-CB	3,860				ES PCB-208	80.4
Deca-CB	4,010				ES PCB-209	92.9
					CS PCB-28	91.3
Total PCB (Mono-Deca)	38,300		38,400		CS PCB-111	100
					CS PCB-178	92.2

Checkcode: 538-507-KHY/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:34 Analyst: MS

Sample ID: D15-BOR-23-(0-0.5)-D

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.27 g	Sample ID:	B1566_15465_PCB_007-R1	Date Extracted:	17-Jan-2018
Date Collected:	03-Nov-2017	% Solid	52 %	QC Batch No.:	15465	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	188				ES PCB-1	22.8
PCB-81 344'5-TeCB	ND	2.26		U	ES PCB-3	21.2
PCB-105 233'44'-PeCB	303			B	ES PCB-4	47.8
PCB-114 2344'5-PeCB	15.8				ES PCB-15	80.3
PCB-118 23'44'5-PeCB	738			B	ES PCB-19	63.2
PCB-123 23'44'5'-PeCB	12.9				ES PCB-37	94.2
PCB-126 33'44'5-PeCB	EMPC		3.67	EMPC	ES PCB-54	68.8
PCB-156/157 233'44'5/233'44'5'-HxCB	135			B C	ES PCB-77	93.1
PCB-167 23'44'55'-HxCB	57.6				ES PCB-81	97
PCB-169 33'44'55'-HxCB	1.67			J	ES PCB-104	85.7
PCB-189 233'44'55'-HpCB	17.2				ES PCB-105	94.4
					ES PCB-114	101
TEQs (WHO 1998 M/H)					ES PCB-118	94.5
					ES PCB-123	105
ND = 0	0.219		0.585		ES PCB-126	109
ND = 0.5 x DL	0.289		0.585		ES PCB-153	89.8
ND = DL	0.359		0.359		ES PCB-155	83.2
					ES PCB-156/157	97.7 C
Totals					ES PCB-167	94.8
Mono-CB	2,570				ES PCB-169	93.9
Di-CB	2,990		3,000		ES PCB-170	75.9
Tri-CB	3,730				ES PCB-180	74.1
Tetra-CB	4,500		4,500		ES PCB-188	92.4
Penta-CB	5,300		5,340		ES PCB-189	87.7
Hexa-CB	6,240		6,260		ES PCB-202	94.7
Hepta-CB	3,300		3,310		ES PCB-205	88.3
Octa-CB	1,860				ES PCB-206	89
Nona-CB	3,860				ES PCB-208	80.4
Deca-CB	4,010				ES PCB-209	92.9
					CS PCB-28	91.3
Total PCB (Mono-Deca)	38,300		38,400		CS PCB-111	100
					CS PCB-178	92.2

Checkcode: 538-507-KHY/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:34 Analyst: MS

Sample ID: D15-BOR-23-(0-0.5)-D

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.27 g	Sample ID:	B1566_15465_PCB_007-R1	Date Extracted:	17-Jan-2018
Date Collected:	03-Nov-2017	% Solid	52 %	QC Batch No.:	15465	Date Analyzed:	23-Jan-2018
		Units	pg/g	Checkcode:	538-507-KHY/A	Time Analyzed:	21:39:55

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1,120	B	PCB-19	44.5		PCB-54	[5.16]	EMPC	PCB-72	11.6	
PCB-2	781		PCB-30/18	345	B C	PCB-50/53	80.4	C	PCB-68	8.54	
PCB-3	675		PCB-17	153		PCB-45	81.6		PCB-57	4.19	
			PCB-27	165		PCB-51	37.7		PCB-58	3.19	
Conc.	2,570		PCB-24	51.5		PCB-46	35.1		PCB-67	16.7	
EMPC	2,570		PCB-16	360		PCB-52	582	B	PCB-63	19	
			PCB-32	110	B	PCB-73	3.14		PCB-61/70/74/76	703	B C
Di	**Conc.**	**Qualifiers**	PCB-34	31.3		PCB-43	20		PCB-66	440	B
PCB-4	476	B	PCB-23	14.6		PCB-69/49	313	B C	PCB-55	5.22	
PCB-10	[8.49]	EMPC	PCB-26/29	127	C	PCB-48	77.8		PCB-56	536	B
PCB-9	173		PCB-25	352		PCB-44/47/65	520	B C	PCB-60	78.3	B
PCB-7	35.5		PCB-31	354	B	PCB-59/62/75	44.7	C	PCB-80	(1.81)	U
PCB-6	281	B	PCB-28/20	446	B C	PCB-42	146		PCB-79	10.6	
PCB-5	146		PCB-21/33	344	B C	PCB-41	27.6		PCB-78	(2.26)	U
PCB-8	525	B	PCB-22	210		PCB-71/40	318	B C	PCB-81	(2.26)	U
PCB-14	153		PCB-36	51.9		PCB-64	184	B	PCB-77	188	
PCB-11	362	B	PCB-39	49.8							
PCB-13/12	502	C	PCB-38	3.36							
PCB-15	335	B	PCB-35	138							
			PCB-37	378	B						
Conc.	2,990		**Conc.**	3,730					**Conc.**	4,500	
EMPC	3,000		**EMPC**	3,730					**EMPC**	4,500	

Totals	Conc.	EMPC
Mono-Tri	9,290	9,300
Tetra-Hexa	16,000	16,100
Hepta-Deca	13,000	13,000
Mono-Deca	38,300	38,400

5500 Business Drive
Wilmington, NC 28405, USA
Tel: +1 910 794-1613
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Sample ID: D15-BOR-23-(0-0.5)-D — Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	1.82	J	PCB-108/119/86/97/125/87	536	B C	PCB-155	5.5		PCB-165	1.4	J
PCB-96	12.4		PCB-117	15.3		PCB-152	1.67	J	PCB-146	268	
PCB-103	14.9		PCB-116/85	156	B C	PCB-150	8.49		PCB-161	(0.538)	U
PCB-94	7.67		PCB-110	921	B	PCB-136	204		PCB-153/168	1,140	B C
PCB-95	595	B	PCB-115	(3.7)	U	PCB-145	(0.55)	U	PCB-141	193	
PCB-100/93	19.1	C	PCB-82	104		PCB-148	7.6		PCB-130	96.1	
PCB-102	31.3		PCB-111	(3.43)	U	PCB-151/135	485	C	PCB-137	40.7	
PCB-98	6.24		PCB-120	[5.11]	EMPC	PCB-154	43.4		PCB-164	97.4	
PCB-88	(5.6)	U	PCB-107/124	25	C	PCB-144	50.9		PCB-163/138/129	1,380	B C
PCB-91	113	B	PCB-109	60.5		PCB-147/149	1,140	B C	PCB-160	6.84	
PCB-84	226	B	PCB-123	12.9		PCB-134	66.2		PCB-158	101	
PCB-89	11.7		PCB-106	(3.81)	U	PCB-143	[2.32]	EMPC	PCB-128/166	192	B C
PCB-121	(3.39)	U	PCB-118	738	B	PCB-139/140	22.6	C	PCB-159	12.3	
PCB-92	168		PCB-122	9.99		PCB-131	15.3		PCB-162	[9.84]	EMPC
PCB-113/90/101	801	B C	PCB-114	15.8		PCB-142	2.81		PCB-167	57.6	
PCB-83	[38.9]	EMPC	PCB-105	303	B	PCB-132	423	B	PCB-156/157	135	B C
PCB-99	391	B	PCB-127	(4.36)	U	PCB-133	37.8		PCB-169	1.67	J
PCB-112	(3.69)	U	PCB-126	[3.67]	EMPC						
			Conc.	5,300					**Conc.**	6,240	
			EMPC	5,340					**EMPC**	6,260	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	8.93		PCB-174	415	B	PCB-202	209		PCB-208	1,180	
PCB-179	172		PCB-177	259		PCB-201	77.3		PCB-207	192	
PCB-184	[3.27]	EMPC	PCB-181	3.58		PCB-204	2.85		PCB-206	2,480	
PCB-176	43.8		PCB-171/173	113	C	PCB-197	23.5				
PCB-186	(0.404)	U	PCB-172	67.7		PCB-200	34.2		**Conc.**	3,860	
PCB-178	95.9		PCB-192	2.06		PCB-198/199	683	B C	**EMPC**	3,860	
PCB-175	19.2		PCB-180/193	795	B C	PCB-196	184				
PCB-187	594	B	PCB-191	12.6		PCB-203	275	B	**Deca**	**Conc.**	**Qualifiers**
PCB-182	[6.24]	EMPC	PCB-170	343	B	PCB-195	86.1		PCB-209	4,010	
PCB-183	227	B	PCB-190	68.3		PCB-194	270	B			
PCB-185	38.4		PCB-189	17.2		PCB-205	16				
			Conc.	3,300		**Conc.**	1,860				
			EMPC	3,310		**EMPC**	1,860				

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Sample DUP			Method 1668A
Sample ID: D15-BOR-23 (0-0.5)			
Analyte	**B1566_15465_PCB_005-R1**	**B1566_15465_PCB_007-R1 (DUP)**	**RPD**
	pg/g	**pg/g**	
PCB-77 33'44'-TeCB	4030	188	182.1%
PCB-81 344'5-TeCB	4.85	ND	-
PCB-105 233'44'-PeCB	548	303	57.4%
PCB-114 2344'5-PeCB	24	15.8	41.1%
PCB-118 23'44'5-PeCB	1180	738	46.1%
PCB-123 23'44'5'-PeCB	22.5	12.9	54.0%
PCB-126 33'44'5-PeCB	11.5	3.67	103.5%
PCB-156/157 ...-HxCB	185	135	31.1%
PCB-167 23'44'55'-HxCB	79.4	57.6	31.9%
PCB-169 33'44'55'-HxCB	ND	1.67	-
PCB-189 233'44'55'-HpCB	24.2	17.2	33.9%
TEQs			
ND = 0	1.62	0.474	109.4%
ND = 0.5 x DL	1.68	0.474	112.0%
Totals			
Mono-CB	5930	2570	78.9%
Di-CB	11600	3000	118.0%
Tri-CB	18700	3730	133.6%
Tetra-CB	23000	4500	134.4%
Penta-CB	8780	5340	48.6%
Hexa-CB	8320	6260	28.3%
Hepta-CB	4550	3310	31.7%
Octa-CB	2490	1860	28.9%
Nona-CB	4930	3860	24.3%
PCB-209 DeCB	5530	4010	32.0%

Sample ID: D15-BOR-24 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.87 g	Sample ID:	B1566_15465_PCB_008-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	82.5 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	385				ES PCB-1	32.9
PCB-81 344'5-TeCB	EMPC		13	EMPC	ES PCB-3	40.8
PCB-105 233'44'-PeCB	317			B	ES PCB-4	54
PCB-114 2344'5-PeCB	36.3				ES PCB-15	78.7
PCB-118 23'44'5-PeCB	757			B	ES PCB-19	70.3
PCB-123 23'44'5'-PeCB	22.2				ES PCB-37	95.3
PCB-126 33'44'5-PeCB	20.1				ES PCB-54	76.5
PCB-156/157 233'44'5/233'44'5'-HxCB	248			B C	ES PCB-77	84
PCB-167 23'44'55'-HxCB	144				ES PCB-81	87.4
PCB-169 33'44'55'-HxCB	11.3				ES PCB-104	89.8
PCB-189 233'44'55'-HpCB	50.4				ES PCB-105	97.7
					ES PCB-114	98.4
TEQs (WHO 2005 M/H)					ES PCB-118	102
					ES PCB-123	98.9
ND = 0	2.43		2.44		ES PCB-126	111
ND = 0.5 x DL	2.43		2.44		ES PCB-153	91.4
ND = DL	2.43		2.44		ES PCB-155	87.7
					ES PCB-156/157	98.1 C
Totals					ES PCB-167	99.6
Mono-CB	5,520				ES PCB-169	95.3
Di-CB	12,400				ES PCB-170	77.4
Tri-CB	16,400				ES PCB-180	75
Tetra-CB	8,490		8,510		ES PCB-188	98.5
Penta-CB	6,770		6,830		ES PCB-189	91.1
Hexa-CB	7,730		7,760		ES PCB-202	96.1
Hepta-CB	4,270				ES PCB-205	96
Octa-CB	4,120				ES PCB-206	97.2
Nona-CB	5,730				ES PCB-208	83.9
Deca-CB	4,710				ES PCB-209	104
					CS PCB-28	90.6
Total PCB (Mono-Deca)	76,100		76,200		CS PCB-111	99
					CS PCB-178	100

Checkcode: 617-447-YNB/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:35 Analyst: MS

Sample ID: D15-BOR-24 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.87 g	Sample ID:	B1566_15465_PCB_008-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	82.5 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	385				ES PCB-1	32.9
PCB-81 344'5-TeCB	EMPC		13	EMPC	ES PCB-3	40.8
PCB-105 233'44'-PeCB	317			B	ES PCB-4	54
PCB-114 2344'5-PeCB	36.3				ES PCB-15	78.7
PCB-118 23'44'5-PeCB	757			B	ES PCB-19	70.3
PCB-123 23'44'5'-PeCB	22.2				ES PCB-37	95.3
PCB-126 33'44'5-PeCB	20.1				ES PCB-54	76.5
PCB-156/157 233'44'5/233'44'5'-HxCB	248			B C	ES PCB-77	84
PCB-167 23'44'55'-HxCB	144				ES PCB-81	87.4
PCB-169 33'44'55'-HxCB	11.3				ES PCB-104	89.8
PCB-189 233'44'55'-HpCB	50.4				ES PCB-105	97.7
					ES PCB-114	98.4
TEQs (WHO 1998 M/H)					ES PCB-118	102
					ES PCB-123	98.9
ND = 0	2.42		2.42		ES PCB-126	111
ND = 0.5 x DL	2.42		2.42		ES PCB-153	91.4
ND = DL	2.42		2.42		ES PCB-155	87.7
					ES PCB-156/157	98.1 C
Totals					ES PCB-167	99.6
Mono-CB	5,520				ES PCB-169	95.3
Di-CB	12,400				ES PCB-170	77.4
Tri-CB	16,400				ES PCB-180	75
Tetra-CB	8,490		8,510		ES PCB-188	98.5
Penta-CB	6,770		6,830		ES PCB-189	91.1
Hexa-CB	7,730		7,760		ES PCB-202	96.1
Hepta-CB	4,270				ES PCB-205	96
Octa-CB	4,120				ES PCB-206	97.2
Nona-CB	5,730				ES PCB-208	83.9
Deca-CB	4,710				ES PCB-209	104
					CS PCB-28	90.6
Total PCB (Mono-Deca)	76,100		76,200		CS PCB-111	99
					CS PCB-178	100

Checkcode: 617-447-YNB/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:35 Analyst: MS

Sample ID: D15-BOR-24 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.87 g	Sample ID:	B1566_15465_PCB_008-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	82.5 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	617-447-YNB/A	Time Analyzed:	00:53:16

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1,800	B	PCB-19	62.1		PCB-54	3.04		PCB-72	67.4	
PCB-2	1,780		PCB-30/18	1,290	B C	PCB-50/53	135	C	PCB-68	22.3	
PCB-3	1,940		PCB-17	376		PCB-45	195		PCB-57	28.9	
			PCB-27	132		PCB-51	27		PCB-58	20.2	
Conc.	5,520		PCB-24	509		PCB-46	57.1		PCB-67	52.8	
EMPC	5,520		PCB-16	710		PCB-52	1,170	B	PCB-63	88.7	
			PCB-32	216	B	PCB-73	6.57		PCB-61/70/74/76	1,570	B C
Di	**Conc.**	**Qualifiers**	PCB-34	419		PCB-43	71.7		PCB-66	698	B
PCB-4	1,100	B	PCB-23	145		PCB-69/49	532	B C	PCB-55	16.1	
PCB-10	23.5		PCB-26/29	709	C	PCB-48	177		PCB-56	557	B
PCB-9	984		PCB-25	391		PCB-44/47/65	1,060	B C	PCB-60	143	B
PCB-7	165		PCB-31	2,070	B	PCB-59/62/75	126	C	PCB-80	13	
PCB-6	1,230	B	PCB-28/20	1,370	B C	PCB-42	254		PCB-79	74.7	
PCB-5	366		PCB-21/33	1,650	B C	PCB-41	79.3		PCB-78	[7.16]	EMPC
PCB-8	2,010	B	PCB-22	920		PCB-71/40	418	B C	PCB-81	[13]	EMPC
PCB-14	1,040		PCB-36	375		PCB-64	437	B	PCB-77	385	
PCB-11	808	B	PCB-39	789							
PCB-13/12	3,320	C	PCB-38	11.4							
PCB-15	1,380	B	PCB-35	932							
			PCB-37	3,280	B						
Conc.	12,400		**Conc.**	16,400					**Conc.**	8,490	
EMPC	12,400		**EMPC**	16,400					**EMPC**	8,510	

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Totals	Conc.	EMPC
Mono-Tri	34,300	34,300
Tetra-Hexa	23,000	23,100
Hepta-Deca	18,800	18,800
Mono-Deca	76,100	76,200

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Sample ID: D15-BOR-24 (0-0.5) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	[1.66]	J EMPC	PCB-108/119/86/97/125/87	703	B C	PCB-155	7.8		PCB-165	10.7	
PCB-96	16.8		PCB-117	29.8		PCB-152	[1.83]	J EMPC	PCB-146	470	
PCB-103	23.5		PCB-116/85	374	B C	PCB-150	9		PCB-161	[9.51]	EMPC
PCB-94	(11.1)	U	PCB-110	1,220	B	PCB-136	211		PCB-153/168	1,170	B C
PCB-95	727	B	PCB-115	(7.25)	U	PCB-145	3.06		PCB-141	260	
PCB-100/93	29.8	C	PCB-82	122		PCB-148	14.3		PCB-130	192	
PCB-102	28.8		PCB-111	21.9		PCB-151/135	639	C	PCB-137	59	
PCB-98	41.7		PCB-120	31.1		PCB-154	38.6		PCB-164	256	
PCB-88	(12)	U	PCB-107/124	50.4	C	PCB-144	54		PCB-163/138/129	1,340	B C
PCB-91	129	B	PCB-109	95.5		PCB-147/149	1,180	B C	PCB-160	165	
PCB-84	268	B	PCB-123	22.2		PCB-134	63.4		PCB-158	108	
PCB-89	[18.4]	EMPC	PCB-106	30		PCB-143	[11.7]	EMPC	PCB-128/166	265	B C
PCB-121	(7.54)	U	PCB-118	757	B	PCB-139/140	30.1	C	PCB-159	47.1	
PCB-92	224		PCB-122	18.8		PCB-131	17.7		PCB-162	80.8	
PCB-113/90/101	959	B C	PCB-114	36.3		PCB-142	47.7		PCB-167	144	
PCB-83	[36.6]	EMPC	PCB-105	317	B	PCB-132	467	B	PCB-156/157	248	B C
PCB-99	443	B	PCB-127	(8.27)	U	PCB-133	128		PCB-169	11.3	
PCB-112	27.9		PCB-126	20.1							
			Conc.	6,770					**Conc.**	7,730	
			EMPC	6,830					**EMPC**	7,760	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	12.2		PCB-174	492	B	PCB-202	332		PCB-208	1,460	
PCB-179	184		PCB-177	231		PCB-201	98.3		PCB-207	338	
PCB-184	13.9		PCB-181	32.5		PCB-204	30		PCB-206	3,930	
PCB-176	53.2		PCB-171/173	113	C	PCB-197	32.1				
PCB-186	6.62		PCB-172	144		PCB-200	62.7		**Conc.**	5,730	
PCB-178	141		PCB-192	80		PCB-198/199	1,730	B C	**EMPC**	5,730	
PCB-175	38.9		PCB-180/193	1,140	B C	PCB-196	297				
PCB-187	710	B	PCB-191	34.2		PCB-203	613	B	**Deca**	**Conc.**	**Qualifiers**
PCB-182	25.1		PCB-170	347	B	PCB-195	100		PCB-209	4,710	
PCB-183	229	B	PCB-190	117		PCB-194	759	B			
PCB-185	80.9		PCB-189	50.4		PCB-205	64.6				
			Conc.	4,270		**Conc.**	4,120				
			EMPC	4,270		**EMPC**	4,120				

Sample ID: D15-BOR-24 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.10 g	Sample ID:	B1566_15465_PCB_009-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	62.6 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	283				ES PCB-1	37.2
PCB-81 344'5-TeCB	11.2				ES PCB-3	29.2
PCB-105 233'44'-PeCB	291			B	ES PCB-4	64.4
PCB-114 2344'5-PeCB	EMPC		31.6	EMPC	ES PCB-15	85.6
PCB-118 23'44'5-PeCB	674			B	ES PCB-19	72.4
PCB-123 23'44'5'-PeCB	16.9				ES PCB-37	98.6
PCB-126 33'44'5-PeCB	14.6				ES PCB-54	74.7
PCB-156/157 233'44'5/233'44'5'-HxCB	160			B C	ES PCB-77	96
PCB-167 23'44'55'-HxCB	75				ES PCB-81	101
PCB-169 33'44'55'-HxCB	EMPC		4.16	EMPC	ES PCB-104	91.5
PCB-189 233'44'55'-HpCB	25.7				ES PCB-105	99.5
					ES PCB-114	101
TEQs (WHO 2005 M/H)					ES PCB-118	102
					ES PCB-123	105
ND = 0	1.53		1.65		ES PCB-126	112
ND = 0.5 x DL	1.55		1.65		ES PCB-153	89
ND = DL	1.56		1.65		ES PCB-155	78.9
					ES PCB-156/157	91.5 C
Totals					ES PCB-167	85
Mono-CB	4,610				ES PCB-169	92.7
Di-CB	12,400				ES PCB-170	78.6
Tri-CB	14,400				ES PCB-180	75
Tetra-CB	6,160				ES PCB-188	87.3
Penta-CB	6,440		6,490		ES PCB-189	94.3
Hexa-CB	6,350		6,460		ES PCB-202	87.6
Hepta-CB	3,450				ES PCB-205	94.9
Octa-CB	2,520		2,540		ES PCB-206	90.4
Nona-CB	5,740				ES PCB-208	83.1
Deca-CB	6,570				ES PCB-209	102
					CS PCB-28	86.9
Total PCB (Mono-Deca)	68,600		68,700		CS PCB-111	95.5
					CS PCB-178	89

Checkcode: 807-465-RDN/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:35 Analyst: MS

Sample ID: D15-BOR-24 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.10 g	Sample ID:	B1566_15465_PCB_009-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	62.6 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	283				ES PCB-1	37.2
PCB-81 344'5-TeCB	11.2				ES PCB-3	29.2
PCB-105 233'44'-PeCB	291			B	ES PCB-4	64.4
PCB-114 2344'5-PeCB	EMPC		31.6	EMPC	ES PCB-15	85.6
PCB-118 23'44'5-PeCB	674			B	ES PCB-19	72.4
PCB-123 23'44'5'-PeCB	16.9				ES PCB-37	98.6
PCB-126 33'44'5-PeCB	14.6				ES PCB-54	74.7
PCB-156/157 233'44'5/233'44'5'-HxCB	160			B C	ES PCB-77	96
PCB-167 23'44'55'-HxCB	75				ES PCB-81	101
PCB-169 33'44'55'-HxCB	EMPC		4.16	EMPC	ES PCB-104	91.5
PCB-189 233'44'55'-HpCB	25.7				ES PCB-105	99.5
					ES PCB-114	101
TEQs (WHO 1998 M/H)					ES PCB-118	102
					ES PCB-123	105
ND = 0	1.67		1.73		ES PCB-126	112
ND = 0.5 x DL	1.68		1.73		ES PCB-153	89
ND = DL	1.69		1.69		ES PCB-155	78.9
					ES PCB-156/157	91.5 C
Totals					ES PCB-167	85
Mono-CB	4,610				ES PCB-169	92.7
Di-CB	12,400				ES PCB-170	78.6
Tri-CB	14,400				ES PCB-180	75
Tetra-CB	6,160				ES PCB-188	87.3
Penta-CB	6,440		6,490		ES PCB-189	94.3
Hexa-CB	6,350		6,460		ES PCB-202	87.6
Hepta-CB	3,450				ES PCB-205	94.9
Octa-CB	2,520		2,540		ES PCB-206	90.4
Nona-CB	5,740				ES PCB-208	83.1
Deca-CB	6,570				ES PCB-209	102
					CS PCB-28	86.9
Total PCB (Mono-Deca)	68,600		68,700		CS PCB-111	95.5
					CS PCB-178	89

Checkcode: 807-465-RDN/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:35 Analyst: MS

Sample ID: D15-BOR-24 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.10 g	Sample ID:	B1566_15465_PCB_009-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	62.6 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	807-465-RDN/A	Time Analyzed:	01:51:11

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1,590	B	PCB-19	76.1		PCB-54	5.55		PCB-72	42.6	
PCB-2	1,630		PCB-30/18	1,120	B C	PCB-50/53	104	C	PCB-68	21.5	
PCB-3	1,390		PCB-17	377		PCB-45	125		PCB-57	22.3	
			PCB-27	127		PCB-51	36.5		PCB-58	15.2	
Conc.	4,610		PCB-24	377		PCB-46	42.7		PCB-67	36.2	
EMPC	4,610		PCB-16	691		PCB-52	813	B	PCB-63	61.9	
			PCB-32	207	B	PCB-73	6.55		PCB-61/70/74/76	1,120	B C
Di	**Conc.**	**Qualifiers**	PCB-34	332		PCB-43	58.2		PCB-66	543	B
PCB-4	1,130	B	PCB-23	138		PCB-69/49	416	B C	PCB-55	11.3	
PCB-10	20.4		PCB-26/29	626	C	PCB-48	114		PCB-56	384	B
PCB-9	1,020		PCB-25	307		PCB-44/47/65	800	B C	PCB-60	108	B
PCB-7	187		PCB-31	1,770	B	PCB-59/62/75	86.6	C	PCB-80	6.94	
PCB-6	1,250	B	PCB-28/20	1,250	B C	PCB-42	182		PCB-79	46.8	
PCB-5	419		PCB-21/33	1,820	B C	PCB-41	51		PCB-78	6.06	
PCB-8	2,390	B	PCB-22	800		PCB-71/40	310	B C	PCB-81	11.2	
PCB-14	1,280		PCB-36	263		PCB-64	291	B	PCB-77	283	
PCB-11	653	B	PCB-39	554							
PCB-13/12	2,920	C	PCB-38	10.7							
PCB-15	1,110	B	PCB-35	816							
			PCB-37	2,700	B						
Conc.	12,400		**Conc.**	14,400					**Conc.**	6,160	
EMPC	12,400		**EMPC**	14,400					**EMPC**	6,160	

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Totals	Conc.	EMPC
Mono-Tri	31,300	31,300
Tetra-Hexa	19,000	19,100
Hepta-Deca	18,300	18,300
Mono-Deca	68,600	68,700

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Sample ID: D15-BOR-24 (0.5-1.0) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	2.64		PCB-108/119/86/97/125/87	682	B C	PCB-155	7.29		PCB-165	[6.44]	EMPC
PCB-96	13.3		PCB-117	25.3		PCB-152	[2.22]	EMPC	PCB-146	308	
PCB-103	21.8		PCB-116/85	502	B C	PCB-150	9.69		PCB-161	7.47	
PCB-94	(10.1)	U	PCB-110	1,160	B	PCB-136	194		PCB-153/168	1,050	B C
PCB-95	688	B	PCB-115	(6.61)	U	PCB-145	[2.06]	EMPC	PCB-141	226	
PCB-100/93	32.7	C	PCB-82	106		PCB-148	11.5		PCB-130	110	
PCB-102	31		PCB-111	11.1		PCB-151/135	507	C	PCB-137	60.8	
PCB-98	12.1		PCB-120	17.4		PCB-154	48.4		PCB-164	143	
PCB-88	(10.9)	U	PCB-107/124	42.6	C	PCB-144	49.4		PCB-163/138/129	1,210	B C
PCB-91	132	B	PCB-109	79.2		PCB-147/149	1,060	B C	PCB-160	164	
PCB-84	250	B	PCB-123	16.9		PCB-134	[56.2]	EMPC	PCB-158	86.2	
PCB-89	17.5		PCB-106	31		PCB-143	[16.8]	EMPC	PCB-128/166	268	B C
PCB-121	(6.87)	U	PCB-118	674	B	PCB-139/140	[25.1]	EMPC C	PCB-159	29.1	
PCB-92	212		PCB-122	[18.8]	EMPC	PCB-131	14.9		PCB-162	32.5	
PCB-113/90/101	870	B C	PCB-114	[31.6]	EMPC	PCB-142	57.4		PCB-167	75	
PCB-83	49.9		PCB-105	291	B	PCB-132	391	B	PCB-156/157	160	B C
PCB-99	434	B	PCB-127	(7.88)	U	PCB-133	63.1		PCB-169	[4.16]	EMPC
PCB-112	23.8		PCB-126	14.6							
			Conc.	6,440					**Conc.**	6,350	
			EMPC	6,490					**EMPC**	6,460	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	12.1		PCB-174	409	B	PCB-202	225		PCB-208	1,610	
PCB-179	185		PCB-177	218		PCB-201	82.9		PCB-207	345	
PCB-184	10.4		PCB-181	21.9		PCB-204	[14.3]	EMPC	PCB-206	3,780	
PCB-176	48.1		PCB-171/173	104	C	PCB-197	27.2				
PCB-186	5.35		PCB-172	96.3		PCB-200	45		**Conc.**	5,740	
PCB-178	111		PCB-192	47.4		PCB-198/199	1,030	B C	**EMPC**	5,740	
PCB-175	25.3		PCB-180/193	849	B C	PCB-196	227				
PCB-187	584	B	PCB-191	18.3		PCB-203	380	B	**Deca**	**Conc.**	**Qualifiers**
PCB-182	16.4		PCB-170	301	B	PCB-195	86.6		PCB-209	6,570	
PCB-183	210	B	PCB-190	91.6		PCB-194	385	B			
PCB-185	59.7		PCB-189	25.7		PCB-205	35.8				
			Conc.	3,450		**Conc.**	2,520				
			EMPC	3,450		**EMPC**	2,540				

Sample ID: D16-BOR-14-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.20 g	Sample ID:	B1566_15465_PCB_010-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	57.1 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	384				ES PCB-1	62.6
PCB-81 344'5-TeCB	16.4				ES PCB-3	60.3
PCB-105 233'44'-PeCB	387			B	ES PCB-4	72.1
PCB-114 2344'5-PeCB	34.7				ES PCB-15	82
PCB-118 23'44'5-PeCB	906			B	ES PCB-19	79.1
PCB-123 23'44'5'-PeCB	22.3				ES PCB-37	101
PCB-126 33'44'5-PeCB	17.2				ES PCB-54	84.8
PCB-156/157 233'44'5/233'44'5'-HxCB	186			B C	ES PCB-77	99.5
PCB-167 23'44'55'-HxCB	83.8				ES PCB-81	99.4
PCB-169 33'44'55'-HxCB	5.01				ES PCB-104	99.2
PCB-189 233'44'55'-HpCB	30.7				ES PCB-105	107
					ES PCB-114	107
TEQs (WHO 2005 M/H)					ES PCB-118	105
					ES PCB-123	110
ND = 0	1.96		1.96		ES PCB-126	117
ND = 0.5 x DL	1.96		1.96		ES PCB-153	94.6
ND = DL	1.96		1.96		ES PCB-155	86.9
					ES PCB-156/157	98.8 C
Totals					ES PCB-167	98.4
Mono-CB	14,800				ES PCB-169	99
Di-CB	24,600				ES PCB-170	85.9
Tri-CB	20,400				ES PCB-180	82.9
Tetra-CB	8,350		8,370		ES PCB-188	98.6
Penta-CB	7,600		7,620		ES PCB-189	99
Hexa-CB	7,030		7,040		ES PCB-202	97.3
Hepta-CB	3,720		3,720		ES PCB-205	99.5
Octa-CB	2,660				ES PCB-206	102
Nona-CB	3,800				ES PCB-208	90.4
Deca-CB	3,390				ES PCB-209	115
					CS PCB-28	92.7
Total PCB (Mono-Deca)	96,400		96,400		CS PCB-111	101
					CS PCB-178	99.1

Checkcode: 758-140-RMS/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:35 Analyst: MS

Sample ID: D16-BOR-14-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.20 g	Sample ID:	B1566_15465_PCB_010-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	57.1 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	384				ES PCB-1	62.6
PCB-81 344'5-TeCB	16.4				ES PCB-3	60.3
PCB-105 233'44'-PeCB	387			B	ES PCB-4	72.1
PCB-114 2344'5-PeCB	34.7				ES PCB-15	82
PCB-118 23'44'5-PeCB	906			B	ES PCB-19	79.1
PCB-123 23'44'5'-PeCB	22.3				ES PCB-37	101
PCB-126 33'44'5-PeCB	17.2				ES PCB-54	84.8
PCB-156/157 233'44'5/233'44'5'-HxCB	186			B C	ES PCB-77	99.5
PCB-167 23'44'55'-HxCB	83.8				ES PCB-81	99.4
PCB-169 33'44'55'-HxCB	5.01				ES PCB-104	99.2
PCB-189 233'44'55'-HpCB	30.7				ES PCB-105	107
					ES PCB-114	107
TEQs (WHO 1998 M/H)					ES PCB-118	105
					ES PCB-123	110
ND = 0	2.05		2.05		ES PCB-126	117
ND = 0.5 x DL	2.05		2.05		ES PCB-153	94.6
ND = DL	2.05		2.05		ES PCB-155	86.9
					ES PCB-156/157	98.8 C
Totals					ES PCB-167	98.4
Mono-CB	14,800				ES PCB-169	99
Di-CB	24,600				ES PCB-170	85.9
Tri-CB	20,400				ES PCB-180	82.9
Tetra-CB	8,350		8,370		ES PCB-188	98.6
Penta-CB	7,600		7,620		ES PCB-189	99
Hexa-CB	7,030		7,040		ES PCB-202	97.3
Hepta-CB	3,720		3,720		ES PCB-205	99.5
Octa-CB	2,660				ES PCB-206	102
Nona-CB	3,800				ES PCB-208	90.4
Deca-CB	3,390				ES PCB-209	115
					CS PCB-28	92.7
Total PCB (Mono-Deca)	96,400		96,400		CS PCB-111	101
					CS PCB-178	99.1

Checkcode: 758-140-RMS/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:35 Analyst: MS

Sample ID: D16-BOR-14-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.20 g	Sample ID:	B1566_15465_PCB_010-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	57.1 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	758-140-RMS/A	Time Analyzed:	02:49:13

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	4,560	B	PCB-19	108		PCB-54	[5.9]	EMPC	PCB-72	56.2	
PCB-2	4,910		PCB-30/18	1,380	B C	PCB-50/53	135	C	PCB-68	20.1	
PCB-3	5,310		PCB-17	396		PCB-45	154		PCB-57	28.7	
			PCB-27	183		PCB-51	47.3		PCB-58	19.3	
Conc.	14,800		PCB-24	525		PCB-46	54		PCB-67	52.7	
EMPC	14,800		PCB-16	894		PCB-52	1,130	B	PCB-63	81.7	
			PCB-32	220	B	PCB-73	[6.12]	EMPC	PCB-61/70/74/76	1,530	B C
Di	**Conc.**	**Qualifiers**	PCB-34	519		PCB-43	76.6		PCB-66	737	B
PCB-4	2,200	B	PCB-23	245		PCB-69/49	548	B C	PCB-55	15.7	
PCB-10	48.7		PCB-26/29	901	C	PCB-48	159		PCB-56	557	B
PCB-9	2,030		PCB-25	523		PCB-44/47/65	1,060	B C	PCB-60	163	B
PCB-7	394		PCB-31	2,500	B	PCB-59/62/75	131	C	PCB-80	8.41	
PCB-6	2,650	B	PCB-28/20	1,680	B C	PCB-42	243		PCB-79	58.7	
PCB-5	881		PCB-21/33	2,580	B C	PCB-41	60.1		PCB-78	[7.34]	EMPC
PCB-8	4,900	B	PCB-22	1,170		PCB-71/40	424	B C	PCB-81	16.4	
PCB-14	1,950		PCB-36	420		PCB-64	404	B	PCB-77	384	
PCB-11	1,370	B	PCB-39	856							
PCB-13/12	6,080	C	PCB-38	22.7							
PCB-15	2,100	B	PCB-35	1,180							
			PCB-37	4,120	B						
Conc.	24,600		**Conc.**	20,400					**Conc.**	8,350	
EMPC	24,600		**EMPC**	20,400					**EMPC**	8,370	

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Totals	Conc.	EMPC
Mono-Tri	59,800	59,800
Tetra-Hexa	23,000	23,000
Hepta-Deca	13,600	13,600
Mono-Deca	96,400	96,400

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Sample ID: D16-BOR-14-(0-0.5) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	2.8		PCB-108/119/86/97/125/87	763	B C	PCB-155	9.06		PCB-165	6.39	
PCB-96	15.6		PCB-117	37.5		PCB-152	2.22		PCB-146	343	
PCB-103	28.4		PCB-116/85	371	B C	PCB-150	12.8		PCB-161	5.08	
PCB-94	13.2		PCB-110	1,380	B	PCB-136	206		PCB-153/168	1,220	B C
PCB-95	818	B	PCB-115	(5.79)	U	PCB-145	[2.21]	EMPC	PCB-141	238	
PCB-100/93	38.3	C	PCB-82	134		PCB-148	14.4		PCB-130	116	
PCB-102	38.8		PCB-111	11.2		PCB-151/135	566	C	PCB-137	58.4	
PCB-98	29.5		PCB-120	19.7		PCB-154	60.5		PCB-164	138	
PCB-88	(9.57)	U	PCB-107/124	45.9	C	PCB-144	55.7		PCB-163/138/129	1,370	B C
PCB-91	163	B	PCB-109	97.8		PCB-147/149	1,210	B C	PCB-160	92.5	
PCB-84	290	B	PCB-123	22.3		PCB-134	66		PCB-158	107	
PCB-89	20.2		PCB-106	21.9		PCB-143	[7]	EMPC	PCB-128/166	232	B C
PCB-121	(6.02)	U	PCB-118	906	B	PCB-139/140	29.4	C	PCB-159	30.9	
PCB-92	243		PCB-122	[17.3]	EMPC	PCB-131	16.3		PCB-162	31.7	
PCB-113/90/101	1,040	B C	PCB-114	34.7		PCB-142	30.2		PCB-167	83.8	
PCB-83	65.4		PCB-105	387	B	PCB-132	421	B	PCB-156/157	186	B C
PCB-99	526	B	PCB-127	(6.5)	U	PCB-133	65.7		PCB-169	5.01	
PCB-112	20.7		PCB-126	17.2							
			Conc.	7,600					**Conc.**	7,030	
			EMPC	7,620					**EMPC**	7,040	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	16		PCB-174	430	B	PCB-202	250		PCB-208	1,090	
PCB-179	201		PCB-177	246		PCB-201	93.5		PCB-207	232	
PCB-184	10.8		PCB-181	15.6		PCB-204	13.8		PCB-206	2,480	
PCB-176	50.6		PCB-171/173	108	C	PCB-197	28.6				
PCB-186	[2.67]	EMPC	PCB-172	96.6		PCB-200	46.2		**Conc.**	3,800	
PCB-178	129		PCB-192	32.2		PCB-198/199	1,020	B C	**EMPC**	3,800	
PCB-175	26.4		PCB-180/193	950	B C	PCB-196	245				
PCB-187	631	B	PCB-191	20.7		PCB-203	382	B	**Deca**	**Conc.**	**Qualifiers**
PCB-182	13.8		PCB-170	341	B	PCB-195	97.5		PCB-209	3,390	
PCB-183	222	B	PCB-190	83.9		PCB-194	442	B			
PCB-185	62		PCB-189	30.7		PCB-205	33.8				
			Conc.	3,720		**Conc.**	2,660				
			EMPC	3,720		**EMPC**	2,660				

Sample ID: D16-BOR-14-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.44 g	Sample ID:	B1566_15465_PCB_011-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	77.2 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	449				ES PCB-1	52.5
PCB-81 344'5-TeCB	6.96				ES PCB-3	48.1
PCB-105 233'44'-PeCB	374			B	ES PCB-4	67.3
PCB-114 2344'5-PeCB	21.5				ES PCB-15	82.8
PCB-118 23'44'5-PeCB	784			B	ES PCB-19	70.7
PCB-123 23'44'5'-PeCB	19.8				ES PCB-37	95.4
PCB-126 33'44'5-PeCB	EMPC		9.67	EMPC	ES PCB-54	82.8
PCB-156/157 233'44'5/233'44'5'-HxCB	114			B C	ES PCB-77	94.6
PCB-167 23'44'55'-HxCB	44				ES PCB-81	94.7
PCB-169 33'44'55'-HxCB	2.99				ES PCB-104	91.7
PCB-189 233'44'55'-HpCB	15.6				ES PCB-105	90.8
					ES PCB-114	96.5
TEQs (WHO 2005 M/H)					ES PCB-118	95.2
					ES PCB-123	98.5
ND = 0	0.178		1.14		ES PCB-126	102
ND = 0.5 x DL	0.268		1.14		ES PCB-153	81.9
ND = DL	0.358		1.14		ES PCB-155	79.7
					ES PCB-156/157	89.2 C
Totals					ES PCB-167	89
Mono-CB	8,780				ES PCB-169	87.6
Di-CB	7,530				ES PCB-170	75.6
Tri-CB	8,840				ES PCB-180	74.2
Tetra-CB	9,710				ES PCB-188	85.7
Penta-CB	6,100		6,170		ES PCB-189	88.1
Hexa-CB	4,500		4,500		ES PCB-202	88.3
Hepta-CB	2,250		2,260		ES PCB-205	94.2
Octa-CB	1,160		1,160		ES PCB-206	95.2
Nona-CB	1,320				ES PCB-208	82.2
Deca-CB	1,150				ES PCB-209	105
					CS PCB-28	94.3
Total PCB (Mono-Deca)	51,300		51,400		CS PCB-111	95.8
					CS PCB-178	87.8

Checkcode: 785-452-TMB/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:36 Analyst: MS

Sample ID: D16-BOR-14-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.44 g	Sample ID:	B1566_15465_PCB_011-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	77.2 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	449				ES PCB-1	52.5
PCB-81 344'5-TeCB	6.96				ES PCB-3	48.1
PCB-105 233'44'-PeCB	374			B	ES PCB-4	67.3
PCB-114 2344'5-PeCB	21.5				ES PCB-15	82.8
PCB-118 23'44'5-PeCB	784			B	ES PCB-19	70.7
PCB-123 23'44'5'-PeCB	19.8				ES PCB-37	95.4
PCB-126 33'44'5-PeCB	EMPC		9.67	EMPC	ES PCB-54	82.8
PCB-156/157 233'44'5/233'44'5'-HxCB	114			B C	ES PCB-77	94.6
PCB-167 23'44'55'-HxCB	44				ES PCB-81	94.7
PCB-169 33'44'55'-HxCB	2.99				ES PCB-104	91.7
PCB-189 233'44'55'-HpCB	15.6				ES PCB-105	90.8
					ES PCB-114	96.5
TEQs (WHO 1998 M/H)					ES PCB-118	95.2
					ES PCB-123	98.5
ND = 0	0.263		1.23		ES PCB-126	102
ND = 0.5 x DL	0.353		1.23		ES PCB-153	81.9
ND = DL	0.443		0.443		ES PCB-155	79.7
					ES PCB-156/157	89.2 C
Totals					ES PCB-167	89
Mono-CB	8,780				ES PCB-169	87.6
Di-CB	7,530				ES PCB-170	75.6
Tri-CB	8,840				ES PCB-180	74.2
Tetra-CB	9,710				ES PCB-188	85.7
Penta-CB	6,100		6,170		ES PCB-189	88.1
Hexa-CB	4,500		4,500		ES PCB-202	88.3
Hepta-CB	2,250		2,260		ES PCB-205	94.2
Octa-CB	1,160		1,160		ES PCB-206	95.2
Nona-CB	1,320				ES PCB-208	82.2
Deca-CB	1,150				ES PCB-209	105
					CS PCB-28	94.3
Total PCB (Mono-Deca)	51,300		51,400		CS PCB-111	95.8
					CS PCB-178	87.8

Checkcode: 785-452-TMB/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:36 Analyst: MS

Sample ID: D16-BOR-14-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.44 g	Sample ID:	B1566_15465_PCB_011-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	77.2 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	785-452-TMB/A	Time Analyzed:	05:43:16

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	3,520	B	PCB-19	76		PCB-54	3.25		PCB-72	12.6	
PCB-2	2,290		PCB-30/18	901	B C	PCB-50/53	153	C	PCB-68	8.04	
PCB-3	2,960		PCB-17	328		PCB-45	227		PCB-57	22.2	
			PCB-27	89.6		PCB-51	37.6		PCB-58	5	
Conc.	8,780		PCB-24	106		PCB-46	67.3		PCB-67	48.5	
EMPC	8,780		PCB-16	710		PCB-52	1,120	B	PCB-63	45.4	
			PCB-32	223	B	PCB-73	3.42		PCB-61/70/74/76	1,690	B C
Di	**Conc.**	**Qualifiers**	PCB-34	55.4		PCB-43	53.2		PCB-66	884	B
PCB-4	1,510	B	PCB-23	30.7		PCB-69/49	596	B C	PCB-55	23	
PCB-10	28.6		PCB-26/29	363	C	PCB-48	236		PCB-56	1,170	B
PCB-9	573		PCB-25	187		PCB-44/47/65	1,040	B C	PCB-60	224	B
PCB-7	94.2		PCB-31	1,100	B	PCB-59/62/75	131	C	PCB-80	(1.4)	U
PCB-6	991	B	PCB-28/20	1,230	B C	PCB-42	293		PCB-79	12.8	
PCB-5	367		PCB-21/33	1,330	B C	PCB-41	119		PCB-78	2.98	
PCB-8	1,710	B	PCB-22	561		PCB-71/40	605	B C	PCB-81	6.96	
PCB-14	199		PCB-36	50.3		PCB-64	419	B	PCB-77	449	
PCB-11	383	B	PCB-39	79							
PCB-13/12	1,080	C	PCB-38	8.03							
PCB-15	585	B	PCB-35	506							
			PCB-37	911	B						
Conc.	7,530		**Conc.**	8,840					**Conc.**	9,710	
EMPC	7,530		**EMPC**	8,840					**EMPC**	9,710	

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Totals	Conc.	EMPC
Mono-Tri	25,100	25,100
Tetra-Hexa	20,300	20,400
Hepta-Deca	5,880	5,900
Mono-Deca	51,300	51,400

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Sample ID: D16-BOR-14-(0.5-1.0) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	[1.18]	J EMPC	PCB-108/119/86/97/125/87	627	B C	PCB-155	9.51		PCB-165	[0.805]	J EMPC
PCB-96	15		PCB-117	26.2		PCB-152	1.18	J	PCB-146	167	
PCB-103	15		PCB-116/85	172	B C	PCB-150	5.19		PCB-161	0.854	J
PCB-94	9.37		PCB-110	1,180	B	PCB-136	130		PCB-153/168	786	B C
PCB-95	668	B	PCB-115	(3.48)	U	PCB-145	(0.35)	U	PCB-141	167	
PCB-100/93	18.9	C	PCB-82	144		PCB-148	5.49		PCB-130	65.3	
PCB-102	[30.9]	EMPC	PCB-111	(3.74)	U	PCB-151/135	358	C	PCB-137	33.7	
PCB-98	[18.7]	EMPC	PCB-120	(3.74)	U	PCB-154	24.6		PCB-164	75.7	
PCB-88	(5.76)	U	PCB-107/124	31.5	C	PCB-144	44		PCB-163/138/129	976	B C
PCB-91	130	B	PCB-109	83.4		PCB-147/149	809	B C	PCB-160	6.22	
PCB-84	272	B	PCB-123	19.8		PCB-134	50.3		PCB-158	88.7	
PCB-89	19.1		PCB-106	(4.08)	U	PCB-143	(0.508)	U	PCB-128/166	137	B C
PCB-121	(3.62)	U	PCB-118	784	B	PCB-139/140	17.7	C	PCB-159	12.4	
PCB-92	170		PCB-122	[12.6]	EMPC	PCB-131	14		PCB-162	10.6	
PCB-113/90/101	843	B C	PCB-114	21.5		PCB-142	2.92		PCB-167	44	
PCB-83	47.2		PCB-105	374	B	PCB-132	313	B	PCB-156/157	114	B C
PCB-99	433	B	PCB-127	(4.16)	U	PCB-133	25.1		PCB-169	2.99	
PCB-112	(3.74)	U	PCB-126	[9.67]	EMPC						
			Conc.	6,100					**Conc.**	4,500	
			EMPC	6,170					**EMPC**	4,500	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[3.87]	EMPC	PCB-174	274	B	PCB-202	102		PCB-208	380	
PCB-179	127		PCB-177	152		PCB-201	41.8		PCB-207	73.5	
PCB-184	[3.84]	EMPC	PCB-181	3.01		PCB-204	[1.84]	J EMPC	PCB-206	866	
PCB-176	34.2		PCB-171/173	76.2	C	PCB-197	11.1				
PCB-186	(0.367)	U	PCB-172	49		PCB-200	25.5		**Conc.**	1,320	
PCB-178	64.6		PCB-192	1.97		PCB-198/199	400	B C	**EMPC**	1,320	
PCB-175	13.6		PCB-180/193	594	B C	PCB-196	121				
PCB-187	368	B	PCB-191	9.97		PCB-203	194	B	**Deca**	**Conc.**	**Qualifiers**
PCB-182	[2.49]	EMPC	PCB-170	234	B	PCB-195	57.3		PCB-209	1,150	
PCB-183	153	B	PCB-190	47.7		PCB-194	199	B			
PCB-185	33.3		PCB-189	15.6		PCB-205	10.2				
			Conc.	2,250		**Conc.**	1,160				
			EMPC	2,260		**EMPC**	1,160				

Sample ID: D16-BOR-14-(0.5-1.0)-MS

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.45 g	Sample ID:	B1566_15465_PCB_011MS-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	77.2 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	912				ES PCB-1	56.7
PCB-81 344'5-TeCB	213				ES PCB-3	51.4
PCB-105 233'44'-PeCB	912			B	ES PCB-4	72.1
PCB-114 2344'5-PeCB	262				ES PCB-15	89.8
PCB-118 23'44'5-PeCB	1,550			B	ES PCB-19	79.9
PCB-123 23'44'5'-PeCB	252				ES PCB-37	105
PCB-126 33'44'5-PeCB	230				ES PCB-54	84.3
PCB-156/157 233'44'5/233'44'5'-HxCB	629			B C	ES PCB-77	100
PCB-167 23'44'55'-HxCB	289				ES PCB-81	102
PCB-169 33'44'55'-HxCB	232				ES PCB-104	88.4
PCB-189 233'44'55'-HpCB	239				ES PCB-105	98.7
					ES PCB-114	103
TEQs (WHO 2005 M/H)					ES PCB-118	104
					ES PCB-123	105
ND = 0	30.3		30.3		ES PCB-126	115
ND = 0.5 x DL	30.3		30.3		ES PCB-153	95.6
ND = DL	30.3		30.3		ES PCB-155	89
					ES PCB-156/157	103 C
Totals					ES PCB-167	104
Mono-CB	15,600				ES PCB-169	101
Di-CB	15,500				ES PCB-170	81.1
Tri-CB	20,800				ES PCB-180	79.4
Tetra-CB	26,700				ES PCB-188	102
Penta-CB	19,500		19,600		ES PCB-189	96.9
Hexa-CB	16,000				ES PCB-202	100
Hepta-CB	8,220				ES PCB-205	99.1
Octa-CB	4,310				ES PCB-206	101
Nona-CB	5,290				ES PCB-208	82.2
Deca-CB	4,670				ES PCB-209	99.1
					CS PCB-28	99.7
Total PCB (Mono-Deca)	136,000		137,000		CS PCB-111	102
					CS PCB-178	104

Checkcode: 367-103-QNH/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:36 Analyst: MS

Sample ID: D16-BOR-14-(0.5-1.0)-MS

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.45 g	Sample ID:	B1566_15465_PCB_011MS-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	77.2 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	912				ES PCB-1	56.7
PCB-81 344'5-TeCB	213				ES PCB-3	51.4
PCB-105 233'44'-PeCB	912			B	ES PCB-4	72.1
PCB-114 2344'5-PeCB	262				ES PCB-15	89.8
PCB-118 23'44'5-PeCB	1,550			B	ES PCB-19	79.9
PCB-123 23'44'5'-PeCB	252				ES PCB-37	105
PCB-126 33'44'5-PeCB	230				ES PCB-54	84.3
PCB-156/157 233'44'5/233'44'5'-HxCB	629			B C	ES PCB-77	100
PCB-167 23'44'55'-HxCB	289				ES PCB-81	102
PCB-169 33'44'55'-HxCB	232				ES PCB-104	88.4
PCB-189 233'44'55'-HpCB	239				ES PCB-105	98.7
					ES PCB-114	103
TEQs (WHO 1998 M/H)					ES PCB-118	104
					ES PCB-123	105
ND = 0	26.2		26.2		ES PCB-126	115
ND = 0.5 x DL	26.2		26.2		ES PCB-153	95.6
ND = DL	26.2		26.2		ES PCB-155	89
					ES PCB-156/157	103 C
Totals					ES PCB-167	104
Mono-CB	15,600				ES PCB-169	101
Di-CB	15,500				ES PCB-170	81.1
Tri-CB	20,800				ES PCB-180	79.4
Tetra-CB	26,700				ES PCB-188	102
Penta-CB	19,500		19,600		ES PCB-189	96.9
Hexa-CB	16,000				ES PCB-202	100
Hepta-CB	8,220				ES PCB-205	99.1
Octa-CB	4,310				ES PCB-206	101
Nona-CB	5,290				ES PCB-208	82.2
Deca-CB	4,670				ES PCB-209	99.1
					CS PCB-28	99.7
Total PCB (Mono-Deca)	136,000		137,000		CS PCB-111	102
					CS PCB-178	104

Checkcode: 367-103-QNH/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:36 Analyst: MS

Sample ID: D16-BOR-14-(0.5-1.0)-MS

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.45 g	Sample ID:	B1566_15465_PCB_011MS-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	77.2 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	367-103-QNH/A	Time Analyzed:	04:45:14

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	6,070	B	PCB-19	346		PCB-54	196		PCB-72	198	
PCB-2	4,360		PCB-30/18	2,230	B C	PCB-50/53	654	C	PCB-68	188	
PCB-3	5,130		PCB-17	893		PCB-45	700		PCB-57	232	
			PCB-27	348		PCB-51	229		PCB-58	225	
Conc.	15,600		PCB-24	349		PCB-46	327		PCB-67	284	
EMPC	15,600		PCB-16	1,530		PCB-52	2,370	B	PCB-63	276	
			PCB-32	676	B	PCB-73	183		PCB-61/70/74/76	4,240	B C
Di	**Conc.**	**Qualifiers**	PCB-34	243		PCB-43	295		PCB-66	1,940	B
PCB-4	3,100	B	PCB-23	223		PCB-69/49	1,540	B C	PCB-55	239	
PCB-10	228		PCB-26/29	1,010	C	PCB-48	700		PCB-56	2,160	B
PCB-9	1,200		PCB-25	409		PCB-44/47/65	2,600	B C	PCB-60	677	B
PCB-7	327		PCB-31	2,230	B	PCB-59/62/75	782	C	PCB-80	186	
PCB-6	2,150	B	PCB-28/20	2,640	B C	PCB-42	770		PCB-79	206	
PCB-5	738		PCB-21/33	2,980	B C	PCB-41	462		PCB-78	195	
PCB-8	3,380	B	PCB-22	1,170		PCB-71/40	1,480	B C	PCB-81	213	
PCB-14	523		PCB-36	233		PCB-64	1,060	B	PCB-77	912	
PCB-11	804	B	PCB-39	280							
PCB-13/12	2,020	C	PCB-38	193							
PCB-15	986	B	PCB-35	1,120							
			PCB-37	1,660	B						
Conc.	15,500		**Conc.**	20,800					**Conc.**	26,700	
EMPC	15,500		**EMPC**	20,800					**EMPC**	26,700	

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Totals	Conc.	EMPC
Mono-Tri	51,800	51,800
Tetra-Hexa	62,200	62,300
Hepta-Deca	22,500	22,500
Mono-Deca	136,000	137,000

SGS

Sample ID: D16-BOR-14-(0.5-1.0)-MS

Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	215		PCB-108/119/86/97/125/87	2,230	B C	PCB-155	233		PCB-165	195	
PCB-96	231		PCB-117	243		PCB-152	198		PCB-146	460	
PCB-103	196		PCB-116/85	667	B C	PCB-150	205		PCB-161	191	
PCB-94	190		PCB-110	2,300	B	PCB-136	446		PCB-153/168	1,730	B C
PCB-95	1,390	B	PCB-115	143		PCB-145	192		PCB-141	510	
PCB-100/93	377	C	PCB-82	472		PCB-148	193		PCB-130	289	
PCB-102	238		PCB-111	187		PCB-151/135	1,030	C	PCB-137	250	
PCB-98	188		PCB-120	192		PCB-154	222		PCB-164	313	
PCB-88	[152]	EMPC	PCB-107/124	432	C	PCB-144	284		PCB-163/138/129	2,240	B C
PCB-91	407	B	PCB-109	340		PCB-147/149	1,800	B C	PCB-160	203	
PCB-84	708	B	PCB-123	252		PCB-134	294		PCB-158	347	
PCB-89	218		PCB-106	189		PCB-143	202		PCB-128/166	595	B C
PCB-121	175		PCB-118	1,550	B	PCB-139/140	419	C	PCB-159	201	
PCB-92	480		PCB-122	222		PCB-131	220		PCB-162	201	
PCB-113/90/101	2,060	B C	PCB-114	262		PCB-142	199		PCB-167	289	
PCB-83	262		PCB-105	912	B	PCB-132	753	B	PCB-156/157	629	B C
PCB-99	939	B	PCB-127	185		PCB-133	231		PCB-169	232	
PCB-112	178		PCB-126	230							
			Conc.	19,500					**Conc.**	16,000	
			EMPC	19,600					**EMPC**	16,000	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	198		PCB-174	680	B	PCB-202	354		PCB-208	1,530	
PCB-179	416		PCB-177	450		PCB-201	250		PCB-207	384	
PCB-184	179		PCB-181	182		PCB-204	177		PCB-206	3,380	
PCB-176	247		PCB-171/173	491	C	PCB-197	200				
PCB-186	182		PCB-172	260		PCB-200	240		**Conc.**	5,290	
PCB-178	291		PCB-192	185		PCB-198/199	1,140	B C	**EMPC**	5,290	
PCB-175	199		PCB-180/193	1,360	B C	PCB-196	400				
PCB-187	780	B	PCB-191	207		PCB-203	552	B	**Deca**	**Conc.**	**Qualifiers**
PCB-182	182		PCB-170	571	B	PCB-195	277		PCB-209	4,670	
PCB-183	429	B	PCB-190	253		PCB-194	500	B			
PCB-185	231		PCB-189	239		PCB-205	220				
			Conc.	8,220		**Conc.**	4,310				
			EMPC	8,220		**EMPC**	4,310				

Sample ID: D16-BOR-14-(0.5-1.0)-MSD

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.50 g	Sample ID:	B1566_15465_PCB_011MSD-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	77.2 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	699				ES PCB-1	26
PCB-81 344'5-TeCB	205				ES PCB-3	22.6
PCB-105 233'44'-PeCB	634			B	ES PCB-4	51.8
PCB-114 2344'5-PeCB	253				ES PCB-15	77.3
PCB-118 23'44'5-PeCB	1,120			B	ES PCB-19	63.4
PCB-123 23'44'5'-PeCB	233				ES PCB-37	95.7
PCB-126 33'44'5-PeCB	232				ES PCB-54	71.9
PCB-156/157 233'44'5/233'44'5'-HxCB	557			B C	ES PCB-77	94.6
PCB-167 23'44'55'-HxCB	282				ES PCB-81	95.3
PCB-169 33'44'55'-HxCB	225				ES PCB-104	88.5
PCB-189 233'44'55'-HpCB	238				ES PCB-105	101
					ES PCB-114	99.1
TEQs (WHO 2005 M/H)					ES PCB-118	96.9
					ES PCB-123	97.8
ND = 0	30.1		30.1		ES PCB-126	109
ND = 0.5 x DL	30.1		30.1		ES PCB-153	87.8
ND = DL	30.1		30.1		ES PCB-155	76.1
					ES PCB-156/157	93.5 C
Totals					ES PCB-167	89.9
Mono-CB	11,900				ES PCB-169	91.4
Di-CB	10,600				ES PCB-170	82.1
Tri-CB	14,700				ES PCB-180	75.4
Tetra-CB	18,300				ES PCB-188	91.2
Penta-CB	15,900				ES PCB-189	90.8
Hexa-CB	13,200				ES PCB-202	88.8
Hepta-CB	7,170				ES PCB-205	94.7
Octa-CB	3,690				ES PCB-206	95.5
Nona-CB	1,990				ES PCB-208	83.2
Deca-CB	1,350				ES PCB-209	103
					CS PCB-28	94.7
Total PCB (Mono-Deca)	98,800		98,800		CS PCB-111	104
					CS PCB-178	95.5

Checkcode: 387-524-VQZ/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:35 Analyst: MS

Sample ID: D16-BOR-14-(0.5-1.0)-MSD

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.50 g	Sample ID:	B1566_15465_PCB_011MSD-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	77.2 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	699				ES PCB-1	26
PCB-81 344'5-TeCB	205				ES PCB-3	22.6
PCB-105 233'44'-PeCB	634			B	ES PCB-4	51.8
PCB-114 2344'5-PeCB	253				ES PCB-15	77.3
PCB-118 23'44'5-PeCB	1,120			B	ES PCB-19	63.4
PCB-123 23'44'5'-PeCB	233				ES PCB-37	95.7
PCB-126 33'44'5-PeCB	232				ES PCB-54	71.9
PCB-156/157 233'44'5/233'44'5'-HxCB	557			B C	ES PCB-77	94.6
PCB-167 23'44'55'-HxCB	282				ES PCB-81	95.3
PCB-169 33'44'55'-HxCB	225				ES PCB-104	88.5
PCB-189 233'44'55'-HpCB	238				ES PCB-105	101
					ES PCB-114	99.1
TEQs (WHO 1998 M/H)					ES PCB-118	96.9
					ES PCB-123	97.8
ND = 0	26.1		26.1		ES PCB-126	109
ND = 0.5 x DL	26.1		26.1		ES PCB-153	87.8
ND = DL	26.1		26.1		ES PCB-155	76.1
					ES PCB-156/157	93.5 C
Totals					ES PCB-167	89.9
Mono-CB	11,900				ES PCB-169	91.4
Di-CB	10,600				ES PCB-170	82.1
Tri-CB	14,700				ES PCB-180	75.4
Tetra-CB	18,300				ES PCB-188	91.2
Penta-CB	15,900				ES PCB-189	90.8
Hexa-CB	13,200				ES PCB-202	88.8
Hepta-CB	7,170				ES PCB-205	94.7
Octa-CB	3,690				ES PCB-206	95.5
Nona-CB	1,990				ES PCB-208	83.2
Deca-CB	1,350				ES PCB-209	103
					CS PCB-28	94.7
Total PCB (Mono-Deca)	98,800		98,800		CS PCB-111	104
					CS PCB-178	95.5

Checkcode: 387-524-VQZ/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:35 Analyst: MS

Sample ID: D16-BOR-14-(0.5-1.0)-MSD

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.50 g	Sample ID:	B1566_15465_PCB_011MSD-R1	Date Extracted:	17-Jan-2018
Date Collected:	01-Nov-2017	% Solid	77.2 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	387-524-VQZ/A	Time Analyzed:	03:47:14

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	4,610	B	PCB-19	286		PCB-54	201		PCB-72	191	
PCB-2	3,560		PCB-30/18	1,530	B C	PCB-50/53	482	C	PCB-68	186	
PCB-3	3,740		PCB-17	637		PCB-45	489		PCB-57	213	
			PCB-27	309		PCB-51	155		PCB-58	203	
Conc.	11,900		PCB-24	302		PCB-46	238		PCB-67	238	
EMPC	11,900		PCB-16	1,130		PCB-52	1,400	B	PCB-63	229	
			PCB-32	506	B	PCB-73	177		PCB-61/70/74/76	2,630	B C
Di	**Conc.**	**Qualifiers**	PCB-34	217		PCB-43	246		PCB-66	1,150	B
PCB-4	2,110	B	PCB-23	202		PCB-69/49	994	B C	PCB-55	214	
PCB-10	197		PCB-26/29	736	C	PCB-48	444		PCB-56	1,480	B
PCB-9	765		PCB-25	314		PCB-44/47/65	1,660	B C	PCB-60	431	B
PCB-7	232		PCB-31	1,360	B	PCB-59/62/75	664	C	PCB-80	183	
PCB-6	1,390	B	PCB-28/20	1,680	B C	PCB-42	510		PCB-79	205	
PCB-5	512		PCB-21/33	2,010	B C	PCB-41	341		PCB-78	190	
PCB-8	2,210	B	PCB-22	791		PCB-71/40	1,020	B C	PCB-81	205	
PCB-14	388		PCB-36	222		PCB-64	665	B	PCB-77	699	
PCB-11	599	B	PCB-39	258							
PCB-13/12	1,400	C	PCB-38	184							
PCB-15	775	B	PCB-35	819							
			PCB-37	1,170	B						
Conc.	10,600		**Conc.**	14,700					**Conc.**	18,300	
EMPC	10,600		**EMPC**	14,700					**EMPC**	18,300	

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Totals	Conc.	EMPC
Mono-Tri	37,200	37,200
Tetra-Hexa	47,500	47,500
Hepta-Deca	14,200	14,200
Mono-Deca	98,800	98,800

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Sample ID: D16-BOR-14-(0.5-1.0)-MSD — Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	214		PCB-108/119/86/97/125/87	1,840	B C	PCB-155	248		PCB-165	186	
PCB-96	215		PCB-117	199		PCB-152	206		PCB-146	374	
PCB-103	191		PCB-116/85	571	B C	PCB-150	209		PCB-161	197	
PCB-94	191		PCB-110	1,590	B	PCB-136	365		PCB-153/168	1,270	B C
PCB-95	949	B	PCB-115	180		PCB-145	201		PCB-141	394	
PCB-100/93	376	C	PCB-82	370		PCB-148	188		PCB-130	263	
PCB-102	189		PCB-111	192		PCB-151/135	774	C	PCB-137	221	
PCB-98	215		PCB-120	200		PCB-154	209		PCB-164	268	
PCB-88	166		PCB-107/124	428	C	PCB-144	237		PCB-163/138/129	1,690	B C
PCB-91	332	B	PCB-109	304		PCB-147/149	1,250	B C	PCB-160	191	
PCB-84	510	B	PCB-123	233		PCB-134	268		PCB-158	288	
PCB-89	211		PCB-106	202		PCB-143	178		PCB-128/166	544	B C
PCB-121	183		PCB-118	1,120	B	PCB-139/140	393	C	PCB-159	205	
PCB-92	382		PCB-122	215		PCB-131	203		PCB-162	205	
PCB-113/90/101	1,510	B C	PCB-114	253		PCB-142	189		PCB-167	282	
PCB-83	251		PCB-105	634	B	PCB-132	535	B	PCB-156/157	557	B C
PCB-99	670	B	PCB-127	185		PCB-133	211		PCB-169	225	
PCB-112	191		PCB-126	232							
			Conc.	15,900					**Conc.**	13,200	
			EMPC	15,900					**EMPC**	13,200	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	196		PCB-174	520	B	PCB-202	299		PCB-208	614	
PCB-179	337		PCB-177	371		PCB-201	241		PCB-207	267	
PCB-184	193		PCB-181	192		PCB-204	192		PCB-206	1,110	
PCB-176	236		PCB-171/173	468	C	PCB-197	208				
PCB-186	195		PCB-172	247		PCB-200	226		**Conc.**	1,990	
PCB-178	273		PCB-192	192		PCB-198/199	876	B C	**EMPC**	1,990	
PCB-175	201		PCB-180/193	1,080	B C	PCB-196	335				
PCB-187	604	B	PCB-191	210		PCB-203	425	B	**Deca**	**Conc.**	**Qualifiers**
PCB-182	185		PCB-170	438	B	PCB-195	250		PCB-209	1,350	
PCB-183	361	B	PCB-190	223		PCB-194	412	B			
PCB-185	212		PCB-189	238		PCB-205	222				
			Conc.	7,170		**Conc.**	3,690				
			EMPC	7,170		**EMPC**	3,690				

MS/MSD Comparison — Method 1668A

Sample ID: D16-BOR-14-(0.5-1.0)

Analyte	Native Conc.	MS Spike	MS Conc.	MS Rec.	MSD Spike	MSD Conc.	MSD Rec.	RPD
	(pg/g)	(pg/g)	(pg/g)	%	(pg/g)	(pg/g)	%	
PCB-77 33'44'-TeCB	449	183	912	252	182	699	137	59.1%
PCB-81 344'5-TeCB	6.96	183	213	113	182	205	109	3.6%
PCB-105 233'44'-PeCB	374	183	912	293	182	634	143	68.8%
PCB-114 2344'5-PeCB	21.5	183	262	131	182	253	127	3.1%
PCB-118 23'44'5-PeCB	784	183	1,550	419	182	1,120	183	78.4%
PCB-123 23'44'5'-PeCB	19.8	183	252	126	182	233	117	7.4%
PCB-126 33'44'5-PeCB	9.67	183	230	120	182	232	122	1.7%
PCB-156/157 ...-HxCB	114	367	629	140	364	557	122	13.7%
PCB-167 23'44'55'-HxCB	44	183	289	134	182	282	131	2.3%
PCB-169 33'44'55'-HxCB	2.99	183	232	125	182	225	122	2.4%
PCB-189 233'44'55'-HpCB	15.6	183	239	122	182	238	122	0.0%

RPD limit for MS vs. MSD recoveries: +/- 20%

Sample ID: D16-BOR-09-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.06 g	Sample ID:	B1566_15465_PCB_012-R1	Date Extracted:	17-Jan-2018
Date Collected:	06-Nov-2017	% Solid	55.3 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	1,650				ES PCB-1	63.9
PCB-81 344'5-TeCB	4.46				ES PCB-3	65.9
PCB-105 233'44'-PeCB	EMPC		421	B EMPC	ES PCB-4	69.4
PCB-114 2344'5-PeCB	20.9				ES PCB-15	83.2
PCB-118 23'44'5-PeCB	947			B	ES PCB-19	73.5
PCB-123 23'44'5'-PeCB	20.3				ES PCB-37	97.6
PCB-126 33'44'5-PeCB	10.8				ES PCB-54	79.1
PCB-156/157 233'44'5/233'44'5'-HxCB	195			B C	ES PCB-77	94.3
PCB-167 23'44'55'-HxCB	78.3				ES PCB-81	94.2
PCB-169 33'44'55'-HxCB	2.71				ES PCB-104	91.2
PCB-189 233'44'55'-HpCB	24.8				ES PCB-105	94.2
					ES PCB-114	94.8
TEQs (WHO 2005 M/H)					ES PCB-118	94.8
					ES PCB-123	99.8
ND = 0	1.37		1.38		ES PCB-126	104
ND = 0.5 x DL	1.37		1.38		ES PCB-153	89.8
ND = DL	1.37		1.38		ES PCB-155	86.3
					ES PCB-156/157	88.9 C
Totals					ES PCB-167	97.3
Mono-CB	1,990				ES PCB-169	94.1
Di-CB	5,490				ES PCB-170	76.7
Tri-CB	9,610				ES PCB-180	76.7
Tetra-CB	12,500		12,500		ES PCB-188	92.3
Penta-CB	7,980		8,430		ES PCB-189	93.4
Hexa-CB	9,030		9,060		ES PCB-202	91.4
Hepta-CB	4,820		4,840		ES PCB-205	93
Octa-CB	2,640				ES PCB-206	93
Nona-CB	4,870				ES PCB-208	81.1
Deca-CB	4,660				ES PCB-209	104
					CS PCB-28	92.9
Total PCB (Mono-Deca)	63,600		64,100		CS PCB-111	97.8
					CS PCB-178	92.5

Checkcode: 242-797-KKT/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:36 Analyst: MS

Sample ID: D16-BOR-09-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.06 g	Sample ID:	B1566_15465_PCB_012-R1	Date Extracted:	17-Jan-2018
Date Collected:	06-Nov-2017	% Solid	55.3 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	1,650				ES PCB-1	63.9
PCB-81 344'5-TeCB	4.46				ES PCB-3	65.9
PCB-105 233'44'-PeCB	EMPC		421	B EMPC	ES PCB-4	69.4
PCB-114 2344'5-PeCB	20.9				ES PCB-15	83.2
PCB-118 23'44'5-PeCB	947			B	ES PCB-19	73.5
PCB-123 23'44'5'-PeCB	20.3				ES PCB-37	97.6
PCB-126 33'44'5-PeCB	10.8				ES PCB-54	79.1
PCB-156/157 233'44'5/233'44'5'-HxCB	195			B C	ES PCB-77	94.3
PCB-167 23'44'55'-HxCB	78.3				ES PCB-81	94.2
PCB-169 33'44'55'-HxCB	2.71				ES PCB-104	91.2
PCB-189 233'44'55'-HpCB	24.8				ES PCB-105	94.2
					ES PCB-114	94.8
TEQs (WHO 1998 M/H)					ES PCB-118	94.8
					ES PCB-123	99.8
ND = 0	1.48		1.52		ES PCB-126	104
ND = 0.5 x DL	1.48		1.52		ES PCB-153	89.8
ND = DL	1.48		1.48		ES PCB-155	86.3
					ES PCB-156/157	88.9 C
Totals					ES PCB-167	97.3
Mono-CB	1,990				ES PCB-169	94.1
Di-CB	5,490				ES PCB-170	76.7
Tri-CB	9,610				ES PCB-180	76.7
Tetra-CB	12,500		12,500		ES PCB-188	92.3
Penta-CB	7,980		8,430		ES PCB-189	93.4
Hexa-CB	9,030		9,060		ES PCB-202	91.4
Hepta-CB	4,820		4,840		ES PCB-205	93
Octa-CB	2,640				ES PCB-206	93
Nona-CB	4,870				ES PCB-208	81.1
Deca-CB	4,660				ES PCB-209	104
					CS PCB-28	92.9
Total PCB (Mono-Deca)	63,600		64,100		CS PCB-111	97.8
					CS PCB-178	92.5

Checkcode: 242-797-KKT/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:36 Analyst: MS

Sample ID: D16-BOR-09-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.06 g	Sample ID:	B1566_15465_PCB_012-R1	Date Extracted:	17-Jan-2018
Date Collected:	06-Nov-2017	% Solid	55.3 %	QC Batch No.:	15465	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	242-797-KKT/A	Time Analyzed:	06:41:16

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1000	B	PCB-19	51.5		PCB-54	9.66		PCB-72	25	
PCB-2	395		PCB-30/18	380	B C	PCB-50/53	139	C	PCB-68	77	
PCB-3	600		PCB-17	157		PCB-45	118		PCB-57	8.18	
			PCB-27	58.3		PCB-51	119		PCB-58	[10.8]	EMPC
Conc.	1,990		PCB-24	37		PCB-46	51.9		PCB-67	25.2	
EMPC	1,990		PCB-16	1,840		PCB-52	958	B	PCB-63	35.3	
			PCB-32	127	B	PCB-73	15.3		PCB-61/70/74/76	1,120	B C
Di	**Conc.**	**Qualifiers**	PCB-34	31.8		PCB-43	25.5		PCB-66	624	B
PCB-4	747	B	PCB-23	11.6		PCB-69/49	540	B C	PCB-55	7.49	
PCB-10	10.3		PCB-26/29	204	C	PCB-48	87.8		PCB-56	3,980	B
PCB-9	185		PCB-25	118		PCB-44/47/65	967	B C	PCB-60	87	B
PCB-7	46.1		PCB-31	491	B	PCB-59/62/75	80.7	C	PCB-80	(1.88)	U
PCB-6	664	B	PCB-28/20	1,210	B C	PCB-42	232		PCB-79	25	
PCB-5	962		PCB-21/33	1,830	B C	PCB-41	34.6		PCB-78	(2.29)	U
PCB-8	781	B	PCB-22	1,110		PCB-71/40	1,200	B C	PCB-81	4.46	
PCB-14	83.5		PCB-36	25.4		PCB-64	271	B	PCB-77	1,650	
PCB-11	294	B	PCB-39	47.9							
PCB-13/12	1,270	C	PCB-38	3.32							
PCB-15	442	B	PCB-35	837							
			PCB-37	1,030	B						
Conc.	5,490		**Conc.**	9,610					**Conc.**	12,500	
EMPC	5,490		**EMPC**	9,610					**EMPC**	12,500	

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Totals	Conc.	EMPC
Mono-Tri	17,100	17,100
Tetra-Hexa	29,500	30,000
Hepta-Deca	17,000	17,000
Mono-Deca	63,600	64,100

SGS

Sample ID: D16-BOR-09-(0-0.5) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	[2.97]	EMPC	PCB-108/119/86/97/125/87	783	B C	PCB-155	11.6		PCB-165	[3.31]	EMPC
PCB-96	15.9		PCB-117	30.2		PCB-152	[2.64]	EMPC	PCB-146	448	
PCB-103	33.9		PCB-116/85	240	B C	PCB-150	13.6		PCB-161	[1.85]	J EMPC
PCB-94	(11.8)	U	PCB-110	1,620	B	PCB-136	288		PCB-153/168	1,620	B C
PCB-95	981	B	PCB-115	(7.69)	U	PCB-145	1.13	J	PCB-141	265	
PCB-100/93	38.7	C	PCB-82	139		PCB-148	16.1		PCB-130	146	
PCB-102	47.1		PCB-111	(8.27)	U	PCB-151/135	746	C	PCB-137	55	
PCB-98	18.6		PCB-120	18.3		PCB-154	87.9		PCB-164	146	
PCB-88	(12.7)	U	PCB-107/124	37.6	C	PCB-144	68.9		PCB-163/138/129	1,860	B C
PCB-91	206	B	PCB-109	101		PCB-147/149	1,690	B C	PCB-160	[25.8]	EMPC
PCB-84	364	B	PCB-123	20.3		PCB-134	100		PCB-158	124	
PCB-89	19.7		PCB-106	(9.02)	U	PCB-143	(1.23)	U	PCB-128/166	292	B C
PCB-121	(8)	U	PCB-118	947	B	PCB-139/140	35.8	C	PCB-159	23	
PCB-92	297		PCB-122	[17.9]	EMPC	PCB-131	20.8		PCB-162	20.2	
PCB-113/90/101	1,240	B C	PCB-114	20.9		PCB-142	10.3		PCB-167	78.3	
PCB-83	82.5		PCB-105	[421]	B EMPC	PCB-132	596	B	PCB-156/157	195	B C
PCB-99	666	B	PCB-127	(9.54)	U	PCB-133	62.5		PCB-169	2.71	
PCB-112	(8.26)	U	PCB-126	10.8							
			Conc.	7,980					**Conc.**	9,030	
			EMPC	8,430					**EMPC**	9,060	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	15.8		PCB-174	582	B	PCB-202	293		PCB-208	1,530	
PCB-179	283		PCB-177	370		PCB-201	115		PCB-207	268	
PCB-184	11.4		PCB-181	8.6		PCB-204	6.4		PCB-206	3,060	
PCB-176	70.5		PCB-171/173	163	C	PCB-197	35.8				
PCB-186	[0.935]	J EMPC	PCB-172	102		PCB-200	48.3		**Conc.**	4,870	
PCB-178	155		PCB-192	9.11		PCB-198/199	978	B C	**EMPC**	4,870	
PCB-175	29.3		PCB-180/193	1,170	B C	PCB-196	278				
PCB-187	857	B	PCB-191	[15.8]	EMPC	PCB-203	362	B	**Deca**	**Conc.**	**Qualifiers**
PCB-182	13.7		PCB-170	504	B	PCB-195	120		PCB-209	4,660	
PCB-183	309	B	PCB-190	96		PCB-194	377	B			
PCB-185	52.6		PCB-189	24.8		PCB-205	24				
			Conc.	4,820		**Conc.**	2,640				
			EMPC	4,840		**EMPC**	2,640				

Sample ID: D16-BOR-09-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.65 g	Sample ID:	B1566_15466_PCB_013-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	51.7 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	2,570				ES PCB-1	46.8
PCB-81 344'5-TeCB	43.5				ES PCB-3	49.7
PCB-105 233'44'-PeCB	4,090			B	ES PCB-4	52.1
PCB-114 2344'5-PeCB	265				ES PCB-15	78.6
PCB-118 23'44'5-PeCB	9,740			E B	ES PCB-19	58
PCB-123 23'44'5'-PeCB	223				ES PCB-37	71.7
PCB-126 33'44'5-PeCB	31.4				ES PCB-54	49.6
PCB-156/157 233'44'5/233'44'5'-HxCB	1,020			C	ES PCB-77	74.2
PCB-167 23'44'55'-HxCB	389				ES PCB-81	72.9
PCB-169 33'44'55'-HxCB	ND	5.89		U	ES PCB-104	74.2
PCB-189 233'44'55'-HpCB	85.9				ES PCB-105	76.7
					ES PCB-114	79.5
TEQs (WHO 2005 M/H)					ES PCB-118	80.6
					ES PCB-123	80.1
ND = 0	3.88		3.88		ES PCB-126	79.6
ND = 0.5 x DL	3.97		3.97		ES PCB-153	81.5
ND = DL	4.06		4.06		ES PCB-155	85.2
					ES PCB-156/157	73.1 C
Totals					ES PCB-167	75.7
Mono-CB	3,250				ES PCB-169	60.6
Di-CB	15,200				ES PCB-170	112
Tri-CB	70,200				ES PCB-180	122
Tetra-CB	151,000				ES PCB-188	74.6
Penta-CB	92,700		92,700		ES PCB-189	101
Hexa-CB	50,000				ES PCB-202	77.2
Hepta-CB	23,500				ES PCB-205	76.1
Octa-CB	8,290				ES PCB-206	87.9
Nona-CB	10,500				ES PCB-208	104
Deca-CB	13,000			E	ES PCB-209	87.9
					CS PCB-28	75.3
Total PCB (Mono-Deca)	437,000		437,000		CS PCB-111	84.4
					CS PCB-178	78.9

Checkcode: 992-935-PHS/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:58 Analyst: MS

Sample ID: D16-BOR-09-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.65 g	Sample ID:	B1566_15466_PCB_013-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	51.7 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	2,570				ES PCB-1	46.8
PCB-81 344'5-TeCB	43.5				ES PCB-3	49.7
PCB-105 233'44'-PeCB	4,090			B	ES PCB-4	52.1
PCB-114 2344'5-PeCB	265				ES PCB-15	78.6
PCB-118 23'44'5-PeCB	9,740			E B	ES PCB-19	58
PCB-123 23'44'5'-PeCB	223				ES PCB-37	71.7
PCB-126 33'44'5-PeCB	31.4				ES PCB-54	49.6
PCB-156/157 233'44'5/233'44'5'-HxCB	1,020			C	ES PCB-77	74.2
PCB-167 23'44'55'-HxCB	389				ES PCB-81	72.9
PCB-169 33'44'55'-HxCB	ND	5.89		U	ES PCB-104	74.2
PCB-189 233'44'55'-HpCB	85.9				ES PCB-105	76.7
					ES PCB-114	79.5
TEQs (WHO 1998 M/H)					ES PCB-118	80.6
					ES PCB-123	80.1
ND = 0	5.46		5.46		ES PCB-126	79.6
ND = 0.5 x DL	5.49		5.49		ES PCB-153	81.5
ND = DL	5.52		5.52		ES PCB-155	85.2
					ES PCB-156/157	73.1 C
Totals					ES PCB-167	75.7
Mono-CB	3,250				ES PCB-169	60.6
Di-CB	15,200				ES PCB-170	112
Tri-CB	70,200				ES PCB-180	122
Tetra-CB	151,000				ES PCB-188	74.6
Penta-CB	92,700		92,700		ES PCB-189	101
Hexa-CB	50,000				ES PCB-202	77.2
Hepta-CB	23,500				ES PCB-205	76.1
Octa-CB	8,290				ES PCB-206	87.9
Nona-CB	10,500				ES PCB-208	104
Deca-CB	13,000			E	ES PCB-209	87.9
					CS PCB-28	75.3
Total PCB (Mono-Deca)	437,000		437,000		CS PCB-111	84.4
					CS PCB-178	78.9

Checkcode: 992-935-PHS/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:58 Analyst: MS

Sample ID: D16-BOR-09-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.65 g	Sample ID:	B1566_15466_PCB_013-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	51.7 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018
		Units	pg/g	Checkcode:	992-935-PHS/A	Time Analyzed:	22:53:49

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1,370	B	PCB-19	726		PCB-54	40.5		PCB-72	200	
PCB-2	979		PCB-30/18	8,900	B C	PCB-50/53	2,750	C	PCB-68	111	
PCB-3	897		PCB-17	4,630	B	PCB-45	3,250		PCB-57	90.6	
			PCB-27	735		PCB-51	797		PCB-58	79.6	
Conc.	3,250		PCB-24	266		PCB-46	1,340		PCB-67	537	
EMPC	3,250		PCB-16	7,130	B	PCB-52	20,800	E B	PCB-63	612	
			PCB-32	2,880	B	PCB-73	57.7		PCB-61/70/74/76	26,400	B C
Di	**Conc.**	**Qualifiers**	PCB-34	202		PCB-43	786		PCB-66	15,500	E B
PCB-4	2,630		PCB-23	52.5		PCB-69/49	11,000	B C	PCB-55	193	
PCB-10	53.5		PCB-26/29	2,600	C	PCB-48	3,990	B	PCB-56	12,100	E B
PCB-9	697		PCB-25	1,950		PCB-44/47/65	19,100	B C	PCB-60	2,580	
PCB-7	203		PCB-31	10,400	E B	PCB-59/62/75	1,710	C	PCB-80	101	
PCB-6	2,660		PCB-28/20	12,900	B C	PCB-42	5,670		PCB-79	216	
PCB-5	883		PCB-21/33	7,300	B C	PCB-41	1,290		PCB-78	(22.2)	U
PCB-8	3,330	B	PCB-22	4,380	B	PCB-71/40	9,350	B C	PCB-81	43.5	
PCB-14	417		PCB-36	80.7		PCB-64	7,430	B	PCB-77	2,570	
PCB-11	831	B	PCB-39	239							
PCB-13/12	2,180	C	PCB-38	36.9							
PCB-15	1,350		PCB-35	1,180							
			PCB-37	3,630							
Conc.	15,200		**Conc.**	70,200					**Conc.**	151,000	
EMPC	15,200		**EMPC**	70,200					**EMPC**	151,000	

Totals	Conc.	EMPC
Mono-Tri	88,700	88,700
Tetra-Hexa	293,000	293,000
Hepta-Deca	55,300	55,300
Mono-Deca	437,000	437,000

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Sample ID: D16-BOR-09-(0.5-1.0) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	[4.54]	EMPC	PCB-108/119/86/97/125/87	9,790	B C	PCB-155	53.7		PCB-165	34.3	
PCB-96	237		PCB-117	406		PCB-152	12.8		PCB-146	2,040	
PCB-103	199		PCB-116/85	2,500	C	PCB-150	34.4		PCB-161	(0.57)	U
PCB-94	142		PCB-110	15,400	E B	PCB-136	1,580	B	PCB-153/168	8,610	B C
PCB-95	11,200	E B	PCB-115	(14)	U	PCB-145	8.76		PCB-141	1,760	
PCB-100/93	236	C	PCB-82	2,240		PCB-148	42.4		PCB-130	757	
PCB-102	681		PCB-111	(13.1)	U	PCB-151/135	4,310	B C	PCB-137	357	
PCB-98	515		PCB-120	(13.4)	U	PCB-154	236		PCB-164	737	
PCB-88	3,320		PCB-107/124	397	C	PCB-144	509		PCB-163/138/129	10,400	B C
PCB-91	(15.2)	U	PCB-109	957		PCB-147/149	9,280	B C	PCB-160	37.9	
PCB-84	4,800		PCB-123	223		PCB-134	716		PCB-158	818	
PCB-89	379		PCB-106	(13.6)	U	PCB-143	(0.771)	U	PCB-128/166	1,600	C
PCB-121	(13.8)	U	PCB-118	9,740	E B	PCB-139/140	214	C	PCB-159	162	
PCB-92	2,830		PCB-122	199		PCB-131	150		PCB-162	63.9	
PCB-113/90/101	13,400	B C	PCB-114	265		PCB-142	(0.86)	U	PCB-167	389	
PCB-83	934		PCB-105	4,090	B	PCB-132	3,800		PCB-156/157	1,020	C
PCB-99	7,570	B	PCB-127	(15.2)	U	PCB-133	257		PCB-169	(5.89)	U
PCB-112	(14)	U	PCB-126	31.4							
			Conc.	92,700					**Conc.**	50,000	
			EMPC	92,700					**EMPC**	50,000	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	21.1		PCB-174	3,250		PCB-202	801		PCB-208	3,130	
PCB-179	1,470		PCB-177	1,810		PCB-201	307		PCB-207	592	
PCB-184	16		PCB-181	23.8		PCB-204	6.32		PCB-206	6,800	
PCB-176	363		PCB-171/173	828	C	PCB-197	78.6				
PCB-186	2.06	J	PCB-172	467		PCB-200	188		**Conc.**	10,500	
PCB-178	640		PCB-192	(2.5)	U	PCB-198/199	2,560	C	**EMPC**	10,500	
PCB-175	148		PCB-180/193	5,380	C	PCB-196	829				
PCB-187	3,940		PCB-191	94.1		PCB-203	1,190		**Deca**	**Conc.**	**Qualifiers**
PCB-182	37.6		PCB-170	2,470		PCB-195	603		PCB-209	13,000	E
PCB-183	1,750		PCB-190	443		PCB-194	1,650				
PCB-185	257		PCB-189	85.9		PCB-205	78.5				
			Conc.	23,500		**Conc.**	8,290				
			EMPC	23,500		**EMPC**	8,290				

Sample ID: D16-BOR-09-(0.5-1.0)-MS

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.68 g	Sample ID:	B1566_15466_PCB_013MS-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	51.7 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	2,410				ES PCB-1	57.7
PCB-81 344'5-TeCB	228				ES PCB-3	57.7
PCB-105 233'44'-PeCB	3,570			B	ES PCB-4	64.2
PCB-114 2344'5-PeCB	450				ES PCB-15	91.7
PCB-118 23'44'5-PeCB	8,690			E B	ES PCB-19	75.7
PCB-123 23'44'5'-PeCB	406				ES PCB-37	84.5
PCB-126 33'44'5-PeCB	230				ES PCB-54	52.4
PCB-156/157 233'44'5/233'44'5'-HxCB	1,510			C	ES PCB-77	91.3
PCB-167 23'44'55'-HxCB	643				ES PCB-81	94.3
PCB-169 33'44'55'-HxCB	259				ES PCB-104	79.7
PCB-189 233'44'55'-HpCB	304				ES PCB-105	94.4
					ES PCB-114	93.7
TEQs (WHO 2005 M/H)					ES PCB-118	99.3
					ES PCB-123	93.5
ND = 0	31.5		31.5		ES PCB-126	98.6
ND = 0.5 x DL	31.5		31.5		ES PCB-153	92.3
ND = DL	31.5		31.5		ES PCB-155	86.8
					ES PCB-156/157	93.1 C
Totals					ES PCB-167	96.1
Mono-CB	3,800				ES PCB-169	80.5
Di-CB	16,800				ES PCB-170	117
Tri-CB	63,300				ES PCB-180	126
Tetra-CB	125,000				ES PCB-188	86
Penta-CB	88,300				ES PCB-189	116
Hexa-CB	60,700				ES PCB-202	95
Hepta-CB	29,600				ES PCB-205	88.7
Octa-CB	11,300				ES PCB-206	103
Nona-CB	11,800				ES PCB-208	116
Deca-CB	13,500			E	ES PCB-209	93.9
					CS PCB-28	81.3
Total PCB (Mono-Deca)	424,000		424,000		CS PCB-111	94.4
					CS PCB-178	89.6

Checkcode: 704-191-LCH/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:57 Analyst: MS

Sample ID: D16-BOR-09-(0.5-1.0)-MS

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.68 g	Sample ID:	B1566_15466_PCB_013MS-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	51.7 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	2,410				ES PCB-1	57.7
PCB-81 344'5-TeCB	228				ES PCB-3	57.7
PCB-105 233'44'-PeCB	3,570			B	ES PCB-4	64.2
PCB-114 2344'5-PeCB	450				ES PCB-15	91.7
PCB-118 23'44'5-PeCB	8,690			E B	ES PCB-19	75.7
PCB-123 23'44'5'-PeCB	406				ES PCB-37	84.5
PCB-126 33'44'5-PeCB	230				ES PCB-54	52.4
PCB-156/157 233'44'5/233'44'5'-HxCB	1,510			C	ES PCB-77	91.3
PCB-167 23'44'55'-HxCB	643				ES PCB-81	94.3
PCB-169 33'44'55'-HxCB	259				ES PCB-104	79.7
PCB-189 233'44'55'-HpCB	304				ES PCB-105	94.4
					ES PCB-114	93.7
TEQs (WHO 1998 M/H)					ES PCB-118	99.3
					ES PCB-123	93.5
ND = 0	28.1		28.1		ES PCB-126	98.6
ND = 0.5 x DL	28.1		28.1		ES PCB-153	92.3
ND = DL	28.1		28.1		ES PCB-155	86.8
					ES PCB-156/157	93.1 C
Totals					ES PCB-167	96.1
Mono-CB	3,800				ES PCB-169	80.5
Di-CB	16,800				ES PCB-170	117
Tri-CB	63,300				ES PCB-180	126
Tetra-CB	125,000				ES PCB-188	86
Penta-CB	88,300				ES PCB-189	116
Hexa-CB	60,700				ES PCB-202	95
Hepta-CB	29,600				ES PCB-205	88.7
Octa-CB	11,300				ES PCB-206	103
Nona-CB	11,800				ES PCB-208	116
Deca-CB	13,500			E	ES PCB-209	93.9
					CS PCB-28	81.3
Total PCB (Mono-Deca)	424,000		424,000		CS PCB-111	94.4
					CS PCB-178	89.6

Checkcode: 704-191-LCH/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:57 Analyst: MS

Sample ID: D16-BOR-09-(0.5-1.0)-MS

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.68 g	Sample ID:	B1566_15466_PCB_013MS-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	51.7 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018
		Units	pg/g	Checkcode:	704-191-LCH/A	Time Analyzed:	21:59:48

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1,520	B	PCB-19	917		PCB-54	285		PCB-72	372	
PCB-2	1,220		PCB-30/18	7,760	B C	PCB-50/53	2,460	C	PCB-68	294	
PCB-3	1,070		PCB-17	4,050	B	PCB-45	2,600		PCB-57	303	
			PCB-27	854		PCB-51	729		PCB-58	294	
Conc.	3,800		PCB-24	393		PCB-46	1,160		PCB-67	637	
EMPC	3,800		PCB-16	6,110	B	PCB-52	16,100	E B	PCB-63	682	
			PCB-32	2,700	B	PCB-73	273		PCB-61/70/74/76	21,400	B C
Di	**Conc.**	**Qualifiers**	PCB-34	362		PCB-43	906		PCB-66	12,400	E B
PCB-4	2,640		PCB-23	227		PCB-69/49	8,870	B C	PCB-55	390	
PCB-10	263		PCB-26/29	2,510	C	PCB-48	3,140	B	PCB-56	9,690	E B
PCB-9	842		PCB-25	2,070		PCB-44/47/65	15,700	B C	PCB-60	2,050	
PCB-7	402		PCB-31	8,830	E B	PCB-59/62/75	1,930	C	PCB-80	220	
PCB-6	2,780		PCB-28/20	11,200	B C	PCB-42	4,510		PCB-79	545	
PCB-5	970		PCB-21/33	6,100	B C	PCB-41	1,120		PCB-78	232	
PCB-8	3,290	B	PCB-22	3,670	B	PCB-71/40	7,460	B C	PCB-81	228	
PCB-14	622		PCB-36	282		PCB-64	6,040	B	PCB-77	2,410	
PCB-11	1,120	B	PCB-39	417							
PCB-13/12	2,430	C	PCB-38	238							
PCB-15	1,400		PCB-35	1,320							
			PCB-37	3,330							
Conc.	16,800		**Conc.**	63,300					**Conc.**	125,000	
EMPC	16,800		**EMPC**	63,300					**EMPC**	125,000	

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Totals	Conc.	EMPC
Mono-Tri	83,900	83,900
Tetra-Hexa	274,000	274,000
Hepta-Deca	66,100	66,100
Mono-Deca	424,000	424,000

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Sample ID: D16-BOR-09-(0.5-1.0)-MS — Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	251		PCB-108/119/86/97/125/87	9,720	B C	PCB-155	300		PCB-165	224	
PCB-96	407		PCB-117	481		PCB-152	247		PCB-146	2,290	
PCB-103	356		PCB-116/85	2,490	C	PCB-150	264		PCB-161	224	
PCB-94	288		PCB-110	14,400	E B	PCB-136	1,880	B	PCB-153/168	9,360	B C
PCB-95	9,440	E B	PCB-115	(112)	U	PCB-145	247		PCB-141	2,030	
PCB-100/93	596	C	PCB-82	1,990		PCB-148	273		PCB-130	1,010	
PCB-102	704		PCB-111	212		PCB-151/135	4,660	B C	PCB-137	522	
PCB-98	581		PCB-120	264		PCB-154	473		PCB-164	1,080	
PCB-88	(199)	U	PCB-107/124	780	C	PCB-144	732		PCB-163/138/129	11,600	B C
PCB-91	2,020		PCB-109	1,100		PCB-147/149	9,830	B C	PCB-160	269	
PCB-84	4,070		PCB-123	406		PCB-134	944		PCB-158	1,110	
PCB-89	470		PCB-106	203		PCB-143	249		PCB-128/166	1,960	C
PCB-121	207		PCB-118	8,690	E B	PCB-139/140	668	C	PCB-159	379	
PCB-92	2,610		PCB-122	372		PCB-131	379		PCB-162	299	
PCB-113/90/101	12,700	B C	PCB-114	450		PCB-142	233		PCB-167	643	
PCB-83	904		PCB-105	3,570	B	PCB-132	4,010		PCB-156/157	1,510	C
PCB-99	6,910	B	PCB-127	201		PCB-133	479		PCB-169	259	
PCB-112	203		PCB-126	230							
			Conc.	88,300					**Conc.**	60,700	
			EMPC	88,300					**EMPC**	60,700	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	244		PCB-174	3,540		PCB-202	1,020		PCB-208	3,590	
PCB-179	1,670		PCB-177	2,050		PCB-201	518		PCB-207	799	
PCB-184	242		PCB-181	249		PCB-204	195		PCB-206	7,390	
PCB-176	606		PCB-171/173	1,300	C	PCB-197	282				
PCB-186	221		PCB-172	727		PCB-200	410		**Conc.**	11,800	
PCB-178	903		PCB-192	217		PCB-198/199	3,210	C	**EMPC**	11,800	
PCB-175	382		PCB-180/193	6,190	C	PCB-196	1,080				
PCB-187	4,180		PCB-191	316		PCB-203	1,500		**Deca**	**Conc.**	**Qualifiers**
PCB-182	267		PCB-170	2,830		PCB-195	846		PCB-209	13,500	E
PCB-183	1,990		PCB-190	700		PCB-194	1,900				
PCB-185	436		PCB-189	304		PCB-205	319				
			Conc.	29,600		**Conc.**	11,300				
			EMPC	29,600		**EMPC**	11,300				

Sample ID: D16-BOR-09-(0.5-1.0)-MSD

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.64 g	Sample ID:	B1566_15466_PCB_013MSD-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	51.7 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	3,380				ES PCB-1	55.2
PCB-81 344'5-TeCB	243				ES PCB-3	58.2
PCB-105 233'44'-PeCB	5,330			B	ES PCB-4	64.1
PCB-114 2344'5-PeCB	539				ES PCB-15	92.2
PCB-118 23'44'5-PeCB	12,700			E B	ES PCB-19	73.9
PCB-123 23'44'5'-PeCB	527				ES PCB-37	83.1
PCB-126 33'44'5-PeCB	255				ES PCB-54	54.1
PCB-156/157 233'44'5/233'44'5'-HxCB	1,960			C	ES PCB-77	86.8
PCB-167 23'44'55'-HxCB	814				ES PCB-81	89.9
PCB-169 33'44'55'-HxCB	302				ES PCB-104	76.1
PCB-189 233'44'55'-HpCB	386				ES PCB-105	86.2
					ES PCB-114	90.1
TEQs (WHO 2005 M/H)					ES PCB-118	92.1
					ES PCB-123	91.7
ND = 0	35.7		35.7		ES PCB-126	94.3
ND = 0.5 x DL	35.7		35.7		ES PCB-153	91.7
ND = DL	35.7		35.7		ES PCB-155	85.3
					ES PCB-156/157	88.3 C
Totals					ES PCB-167	89.4
Mono-CB	5,580				ES PCB-169	73.9
Di-CB	22,500				ES PCB-170	120
Tri-CB	91,200				ES PCB-180	122
Tetra-CB	187,000				ES PCB-188	83.6
Penta-CB	125,000				ES PCB-189	117
Hexa-CB	82,100				ES PCB-202	83.3
Hepta-CB	48,500				ES PCB-205	85.4
Octa-CB	19,300				ES PCB-206	98
Nona-CB	15,600				ES PCB-208	108
Deca-CB	19,000			E	ES PCB-209	77.1
					CS PCB-28	81.9
Total PCB (Mono-Deca)	615,000		615,000		CS PCB-111	91.3
					CS PCB-178	87.1

Checkcode: 272-481-GNB/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:57 Analyst: MS

Sample ID: D16-BOR-09-(0.5-1.0)-MSD

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.64 g	Sample ID:	B1566_15466_PCB_013MSD-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	51.7 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	3,380				ES PCB-1	55.2
PCB-81 344'5-TeCB	243				ES PCB-3	58.2
PCB-105 233'44'-PeCB	5,330			B	ES PCB-4	64.1
PCB-114 2344'5-PeCB	539				ES PCB-15	92.2
PCB-118 23'44'5-PeCB	12,700			E B	ES PCB-19	73.9
PCB-123 23'44'5'-PeCB	527				ES PCB-37	83.1
PCB-126 33'44'5-PeCB	255				ES PCB-54	54.1
PCB-156/157 233'44'5/233'44'5'-HxCB	1,960			C	ES PCB-77	86.8
PCB-167 23'44'55'-HxCB	814				ES PCB-81	89.9
PCB-169 33'44'55'-HxCB	302				ES PCB-104	76.1
PCB-189 233'44'55'-HpCB	386				ES PCB-105	86.2
					ES PCB-114	90.1
TEQs (WHO 1998 M/H)					ES PCB-118	92.1
					ES PCB-123	91.7
ND = 0	32.1		32.1		ES PCB-126	94.3
ND = 0.5 x DL	32.1		32.1		ES PCB-153	91.7
ND = DL	32.1		32.1		ES PCB-155	85.3
					ES PCB-156/157	88.3 C
Totals					ES PCB-167	89.4
Mono-CB	5,580				ES PCB-169	73.9
Di-CB	22,500				ES PCB-170	120
Tri-CB	91,200				ES PCB-180	122
Tetra-CB	187,000				ES PCB-188	83.6
Penta-CB	125,000				ES PCB-189	117
Hexa-CB	82,100				ES PCB-202	83.3
Hepta-CB	48,500				ES PCB-205	85.4
Octa-CB	19,300				ES PCB-206	98
Nona-CB	15,600				ES PCB-208	108
Deca-CB	19,000			E	ES PCB-209	77.1
					CS PCB-28	81.9
Total PCB (Mono-Deca)	615,000		615,000		CS PCB-111	91.3
					CS PCB-178	87.1

Checkcode: 272-481-GNB/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:57 Analyst: MS

Sample ID: D16-BOR-09-(0.5-1.0)-MSD

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.64 g	Sample ID:	B1566_15466_PCB_013MSD-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	51.7 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018
		Units	pg/g	Checkcode:	272-481-GNB/A	Time Analyzed:	21:05:47

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	2,090	B	PCB-19	1,230		PCB-54	301		PCB-72	458	
PCB-2	1,560		PCB-30/18	11,200	B C	PCB-50/53	3,620	C	PCB-68	360	
PCB-3	1,930		PCB-17	6,000	B	PCB-45	4,080		PCB-57	341	
			PCB-27	1,170		PCB-51	951		PCB-58	324	
Conc.	5,580		PCB-24	510		PCB-46	1,730		PCB-67	870	
EMPC	5,580		PCB-16	8,780	E B	PCB-52	24,800	E B	PCB-63	963	
			PCB-32	3,800	B	PCB-73	278		PCB-61/70/74/76	32,300	B C
Di	**Conc.**	**Qualifiers**	PCB-34	437		PCB-43	1,160		PCB-66	18,800	E B
PCB-4	3,720		PCB-23	243		PCB-69/49	13,500	B C	PCB-55	517	
PCB-10	282		PCB-26/29	3,580	C	PCB-48	4,790	B	PCB-56	14,200	E B
PCB-9	1,060		PCB-25	2,840		PCB-44/47/65	23,300	B C	PCB-60	3,060	
PCB-7	476		PCB-31	13,100	E B	PCB-59/62/75	2,660	C	PCB-80	137	
PCB-6	3,820		PCB-28/20	16,600	B C	PCB-42	6,930		PCB-79	508	
PCB-5	1,170		PCB-21/33	8,860	B C	PCB-41	1,760		PCB-78	241	
PCB-8	4,660	B	PCB-22	5,330	B	PCB-71/40	11,100	B C	PCB-81	243	
PCB-14	701		PCB-36	308		PCB-64	9,040	E B	PCB-77	3,380	
PCB-11	1,450	B	PCB-39	502							
PCB-13/12	3,090	C	PCB-38	260							
PCB-15	2,020		PCB-35	1,650							
			PCB-37	4,850							
Conc.	22,500		**Conc.**	91,200					**Conc.**	187,000	
EMPC	22,500		**EMPC**	91,200					**EMPC**	187,000	

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Totals	Conc.	EMPC
Mono-Tri	119,000	119,000
Tetra-Hexa	393,000	393,000
Hepta-Deca	102,000	102,000
Mono-Deca	615,000	615,000

SGS

Sample ID: D16-BOR-09-(0.5-1.0)-MSD — Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	254		PCB-108/119/86/97/125/87	13,400	B C	PCB-155	324		PCB-165	230	
PCB-96	515		PCB-117	651		PCB-152	254		PCB-146	3,150	
PCB-103	425		PCB-116/85	3,410	C	PCB-150	301		PCB-161	225	
PCB-94	329		PCB-110	20,000	E B	PCB-136	2,700	B	PCB-153/168	13,300	B C
PCB-95	13,500	E B	PCB-115	(146)	U	PCB-145	261		PCB-141	2,940	
PCB-100/93	654	C	PCB-82	2,790		PCB-148	303		PCB-130	1,270	
PCB-102	866		PCB-111	217		PCB-151/135	6,560	B C	PCB-137	683	
PCB-98	972		PCB-120	276		PCB-154	558		PCB-164	1,360	
PCB-88	4,540		PCB-107/124	902	C	PCB-144	958		PCB-163/138/129	15,800	B C
PCB-91	(159)	U	PCB-109	1,440		PCB-147/149	13,900	B C	PCB-160	259	
PCB-84	5,880		PCB-123	527		PCB-134	1,230		PCB-158	1,420	
PCB-89	598		PCB-106	197		PCB-143	277		PCB-128/166	2,690	C
PCB-121	193		PCB-118	12,700	E B	PCB-139/140	771	C	PCB-159	472	
PCB-92	3,730		PCB-122	438		PCB-131	454		PCB-162	309	
PCB-113/90/101	17,500	B C	PCB-114	539		PCB-142	243		PCB-167	814	
PCB-83	1,370		PCB-105	5,330	B	PCB-132	5,630		PCB-156/157	1,960	C
PCB-99	9,660	E B	PCB-127	203		PCB-133	64.5		PCB-169	302	
PCB-112	282		PCB-126	255							
			Conc.	125,000					**Conc.**	82,100	
			EMPC	125,000					**EMPC**	82,100	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	258		PCB-174	5,970		PCB-202	1,680		PCB-208	4,670	
PCB-179	2,560		PCB-177	3,420		PCB-201	783		PCB-207	1,020	
PCB-184	244		PCB-181	279		PCB-204	198		PCB-206	9,950	E
PCB-176	861		PCB-171/173	2,010	C	PCB-197	363				
PCB-186	222		PCB-172	1,140		PCB-200	587		**Conc.**	15,600	
PCB-178	1,310		PCB-192	224		PCB-198/199	5,630	C	**EMPC**	15,600	
PCB-175	514		PCB-180/193	11,200	C	PCB-196	1,910				
PCB-187	7,230		PCB-191	420		PCB-203	2,780		**Deca**	**Conc.**	**Qualifiers**
PCB-182	302		PCB-170	4,760		PCB-195	1,460		PCB-209	19,000	E
PCB-183	3,380		PCB-190	1,080		PCB-194	3,530				
PCB-185	664		PCB-189	386		PCB-205	393				
			Conc.	48,500		**Conc.**	19,300				
			EMPC	48,500		**EMPC**	19,300				

MS/MSD Comparison — Method 1668A

Sample ID: D16-BOR-09-(0.5-1.0)

Analyte	Native Conc.	MS Spike	MS Conc.	MS Rec.	MSD Spike	MSD Conc.	MSD Rec.	RPD
	(pg/g)	(pg/g)	(pg/g)	%	(pg/g)	(pg/g)	%	
PCB-77 33'44'-TeCB	2,570	214	2,410	-72.8	216	3,380	378	n/a
PCB-81 344'5-TeCB	43.5	214	228	86.3	216	243	92.6	7.0%
PCB-105 233'44'-PeCB	4,090	214	3,570	-241	216	5,330	578	n/a
PCB-114 2344'5-PeCB	265	214	450	86.7	216	539	127	37.7%
PCB-118 23'44'5-PeCB	9,740	214	8,690	-492	216	12,700	1390	n/a
PCB-123 23'44'5'-PeCB	223	214	406	85.6	216	527	141	48.9%
PCB-126 33'44'5-PeCB	31.4	214	230	92.8	216	255	104	11.4%
PCB-156/157 ...-HxCB	1,020	428	1,510	114	431	1,960	218	62.7%
PCB-167 23'44'55'-HxCB	389	214	643	119	216	814	197	49.4%
PCB-169 33'44'55'-HxCB	ND	214	259	121	216	302	140	14.6%
PCB-189 233'44'55'-HpCB	85.9	214	304	102	216	386	139	30.7%

RPD limit for MS vs. MSD recoveries: +/- 20%

Sample ID: D16-BOR-10-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.54 g	Sample ID:	B1566_15466_PCB_014-R1	Date Extracted:	18-Jan-2018
Date Collected:	07-Nov-2017	% Solid	50.6 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	240				ES PCB-1	39
PCB-81 344'5-TeCB	ND	3.4		U	ES PCB-3	34.7
PCB-105 233'44'-PeCB	202			B	ES PCB-4	56.2
PCB-114 2344'5-PeCB	12.4				ES PCB-15	88.2
PCB-118 23'44'5-PeCB	491			B	ES PCB-19	71.9
PCB-123 23'44'5'-PeCB	10.2				ES PCB-37	80.6
PCB-126 33'44'5-PeCB	4.02				ES PCB-54	48.9
PCB-156/157 233'44'5/233'44'5'-HxCB	93.2			C	ES PCB-77	87.8
PCB-167 23'44'55'-HxCB	40.1				ES PCB-81	84.3
PCB-169 33'44'55'-HxCB	ND	2.86		U	ES PCB-104	76.7
PCB-189 233'44'55'-HpCB	13.4				ES PCB-105	88.1
					ES PCB-114	89.6
TEQs (WHO 2005 M/H)					ES PCB-118	92.7
					ES PCB-123	95.8
ND = 0	0.452		0.452		ES PCB-126	91.2
ND = 0.5 x DL	0.496		0.496		ES PCB-153	91.4
ND = DL	0.539		0.539		ES PCB-155	87.7
					ES PCB-156/157	84.8 C
Totals					ES PCB-167	90.3
Mono-CB	621				ES PCB-169	71.6
Di-CB	4,070				ES PCB-170	119
Tri-CB	4,760				ES PCB-180	118
Tetra-CB	4,390		4,410		ES PCB-188	83.2
Penta-CB	5,010		5,020		ES PCB-189	111
Hexa-CB	5,920		5,950		ES PCB-202	86.8
Hepta-CB	3,680		3,690		ES PCB-205	86.3
Octa-CB	2,180				ES PCB-206	97.4
Nona-CB	4,410				ES PCB-208	114
Deca-CB	4,320				ES PCB-209	97.4
					CS PCB-28	80.2
Total PCB (Mono-Deca)	39,400		39,400		CS PCB-111	95.7
					CS PCB-178	85

Checkcode: 762-131-BYF/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:58 Analyst: MS

Sample ID: D16-BOR-10-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.54 g	Sample ID:	B1566_15466_PCB_014-R1	Date Extracted:	18-Jan-2018
Date Collected:	07-Nov-2017	% Solid	50.6 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	240				ES PCB-1	39
PCB-81 344'5-TeCB	ND	3.4		U	ES PCB-3	34.7
PCB-105 233'44'-PeCB	202			B	ES PCB-4	56.2
PCB-114 2344'5-PeCB	12.4				ES PCB-15	88.2
PCB-118 23'44'5-PeCB	491			B	ES PCB-19	71.9
PCB-123 23'44'5'-PeCB	10.2				ES PCB-37	80.6
PCB-126 33'44'5-PeCB	4.02				ES PCB-54	48.9
PCB-156/157 233'44'5/233'44'5'-HxCB	93.2			C	ES PCB-77	87.8
PCB-167 23'44'55'-HxCB	40.1				ES PCB-81	84.3
PCB-169 33'44'55'-HxCB	ND	2.86		U	ES PCB-104	76.7
PCB-189 233'44'55'-HpCB	13.4				ES PCB-105	88.1
					ES PCB-114	89.6
TEQs (WHO 1998 M/H)					ES PCB-118	92.7
					ES PCB-123	95.8
ND = 0	0.551		0.551		ES PCB-126	91.2
ND = 0.5 x DL	0.566		0.566		ES PCB-153	91.4
ND = DL	0.58		0.58		ES PCB-155	87.7
					ES PCB-156/157	84.8 C
Totals					ES PCB-167	90.3
Mono-CB	621				ES PCB-169	71.6
Di-CB	4,070				ES PCB-170	119
Tri-CB	4,760				ES PCB-180	118
Tetra-CB	4,390		4,410		ES PCB-188	83.2
Penta-CB	5,010		5,020		ES PCB-189	111
Hexa-CB	5,920		5,950		ES PCB-202	86.8
Hepta-CB	3,680		3,690		ES PCB-205	86.3
Octa-CB	2,180				ES PCB-206	97.4
Nona-CB	4,410				ES PCB-208	114
Deca-CB	4,320				ES PCB-209	97.4
					CS PCB-28	80.2
Total PCB (Mono-Deca)	39,400		39,400		CS PCB-111	95.7
					CS PCB-178	85

Checkcode: 762-131-BYF/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:58 Analyst: MS

Sample ID: D16-BOR-10-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.54 g	Sample ID:	B1566_15466_PCB_014-R1	Date Extracted:	18-Jan-2018
Date Collected:	07-Nov-2017	% Solid	50.6 %	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018
		Units	pg/g	Checkcode:	762-131-BYF/A	Time Analyzed:	23:47:53

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	243	B	PCB-19	25.6		PCB-54	6.92		PCB-72	26.8	
PCB-2	174		PCB-30/18	307	B C	PCB-50/53	83.2	C	PCB-68	34.9	
PCB-3	203		PCB-17	115	B	PCB-45	54.6		PCB-57	[6.32]	EMPC
			PCB-27	27.7		PCB-51	71.5		PCB-58	9.96	
Conc.	621		PCB-24	238		PCB-46	29.9		PCB-67	17.4	
EMPC	621		PCB-16	240	B	PCB-52	549	B	PCB-63	26	
			PCB-32	60.3	B	PCB-73	6.28		PCB-61/70/74/76	635	B C
Di	**Conc.**	**Qualifiers**	PCB-34	223		PCB-43	19.5		PCB-66	407	B
PCB-4	374		PCB-23	112		PCB-69/49	343	B C	PCB-55	6.21	
PCB-10	15.1		PCB-26/29	253	C	PCB-48	50.9	B	PCB-56	478	B
PCB-9	618		PCB-25	68.1		PCB-44/47/65	513	B C	PCB-60	51.4	
PCB-7	89.2		PCB-31	346	B	PCB-59/62/75	46	C	PCB-80	6.67	
PCB-6	360		PCB-28/20	410	B C	PCB-42	139		PCB-79	45.8	
PCB-5	210		PCB-21/33	649	B C	PCB-41	[14]	EMPC	PCB-78	(3.94)	U
PCB-8	418	B	PCB-22	238	B	PCB-71/40	325	B C	PCB-81	(3.4)	U
PCB-14	643		PCB-36	85.5		PCB-64	166	B	PCB-77	240	
PCB-11	286	B	PCB-39	211							
PCB-13/12	757	C	PCB-38	26.6							
PCB-15	296		PCB-35	322							
			PCB-37	806							
Conc.	4,070		**Conc.**	4,760					**Conc.**	4,390	
EMPC	4,070		**EMPC**	4,760					**EMPC**	4,410	

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Totals	Conc.	EMPC
Mono-Tri	9,450	9,450
Tetra-Hexa	15,300	15,400
Hepta-Deca	14,600	14,600
Mono-Deca	39,400	39,400

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Sample ID: D16-BOR-10-(0-0.5) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	2.72		PCB-108/119/86/97/125/87	408	B C	PCB-155	[8.41]	EMPC	PCB-165	2.81	
PCB-96	10.7		PCB-117	128		PCB-152	[1.77]	J EMPC	PCB-146	337	
PCB-103	25.8		PCB-116/85	910	C	PCB-150	14.6		PCB-161	(0.647)	U
PCB-94	9.67		PCB-110	(4.77)	U	PCB-136	219	B	PCB-153/168	1,070	B C
PCB-95	616	B	PCB-115	42.7		PCB-145	(0.759)	U	PCB-141	132	
PCB-100/93	30.9	C	PCB-82	(7.37)	U	PCB-148	[11.5]	EMPC	PCB-130	99.4	
PCB-102	33.4		PCB-111	18.1		PCB-151/135	532	B C	PCB-137	28.7	
PCB-98	10.6		PCB-120	(4.26)	U	PCB-154	74.4		PCB-164	89.1	
PCB-88	231		PCB-107/124	20.2	C	PCB-144	42.7		PCB-163/138/129	1,100	B C
PCB-91	150		PCB-109	57.6		PCB-147/149	1,210	B C	PCB-160	14.5	
PCB-84	(7.25)	U	PCB-123	10.2		PCB-134	69.6		PCB-158	67.9	
PCB-89	10.1		PCB-106	(4.31)	U	PCB-143	[2.06]	J EMPC	PCB-128/166	184	C
PCB-121	(4.37)	U	PCB-118	491	B	PCB-139/140	25.3	C	PCB-159	24.8	
PCB-92	193		PCB-122	[9.6]	EMPC	PCB-131	12.2		PCB-162	11.4	
PCB-113/90/101	753	B C	PCB-114	12.4		PCB-142	[4.19]	EMPC	PCB-167	40.1	
PCB-83	626		PCB-105	202	B	PCB-132	374		PCB-156/157	93.2	C
PCB-99	(5.86)	U	PCB-127	(5.17)	U	PCB-133	50.7		PCB-169	(2.86)	U
PCB-112	(4.46)	U	PCB-126	4.02							
			Conc.	5,010					**Conc.**	5,920	
			EMPC	5,020					**EMPC**	5,950	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	16.9		PCB-174	470		PCB-202	278		PCB-208	1,360	
PCB-179	235		PCB-177	301		PCB-201	108		PCB-207	268	
PCB-184	7.86		PCB-181	[4.62]	EMPC	PCB-204	5.39		PCB-206	2,790	
PCB-176	55.9		PCB-171/173	119	C	PCB-197	33.6				
PCB-186	(0.538)	U	PCB-172	75.9		PCB-200	35.8		**Conc.**	4,410	
PCB-178	127		PCB-192	5		PCB-198/199	762	C	**EMPC**	4,410	
PCB-175	25.5		PCB-180/193	768	C	PCB-196	227				
PCB-187	777		PCB-191	12.8		PCB-203	296		**Deca**	**Conc.**	**Qualifiers**
PCB-182	13.2		PCB-170	309		PCB-195	106		PCB-209	4,320	
PCB-183	257		PCB-190	60.9		PCB-194	311				
PCB-185	35		PCB-189	13.4		PCB-205	17.6				
			Conc.	3,680		**Conc.**	2,180				
			EMPC	3,690		**EMPC**	2,180				

Sample ID: D16-BOR-10-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.50 g	Sample ID:	B1566_15466_PCB_015-R1	Date Extracted:	18-Jan-2018
Date Collected:	07-Nov-2017	% Solid	44.6 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	371				ES PCB-1	52.6
PCB-81 344'5-TeCB	3.95				ES PCB-3	54.3
PCB-105 233'44'-PeCB	278			B	ES PCB-4	57.6
PCB-114 2344'5-PeCB	17.2				ES PCB-15	79.8
PCB-118 23'44'5-PeCB	726			B	ES PCB-19	61.9
PCB-123 23'44'5'-PeCB	13.3				ES PCB-37	72.2
PCB-126 33'44'5-PeCB	4.38				ES PCB-54	50.9
PCB-156/157 233'44'5/233'44'5'-HxCB	116			C	ES PCB-77	71.3
PCB-167 23'44'55'-HxCB	49.7				ES PCB-81	70.6
PCB-169 33'44'55'-HxCB	ND	2.81		U	ES PCB-104	77.6
PCB-189 233'44'55'-HpCB	20.3				ES PCB-105	69.8
					ES PCB-114	73.5
TEQs (WHO 2005 M/H)					ES PCB-118	77.3
					ES PCB-123	79.1
ND = 0	0.513		0.513		ES PCB-126	69.9
ND = 0.5 x DL	0.555		0.555		ES PCB-153	86.1
ND = DL	0.597		0.597		ES PCB-155	97.1
					ES PCB-156/157	70.9 C
Totals					ES PCB-167	76.7
Mono-CB	1,080				ES PCB-169	56
Di-CB	2,540				ES PCB-170	116
Tri-CB	4,800				ES PCB-180	125
Tetra-CB	9,210		9,210		ES PCB-188	79.3
Penta-CB	8,010				ES PCB-189	108
Hexa-CB	7,850		7,850		ES PCB-202	80.8
Hepta-CB	5,250				ES PCB-205	80.9
Octa-CB	2,560				ES PCB-206	94.8
Nona-CB	5,330				ES PCB-208	111
Deca-CB	6,490				ES PCB-209	96.7
					CS PCB-28	85.2
Total PCB (Mono-Deca)	53,100		53,100		CS PCB-111	96.4
					CS PCB-178	90

Checkcode: 448-424-VRV/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:58 Analyst: MS

Sample ID: D16-BOR-10-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.50 g	Sample ID:	B1566_15466_PCB_015-R1	Date Extracted:	18-Jan-2018
Date Collected:	07-Nov-2017	% Solid	44.6 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	371				ES PCB-1	52.6
PCB-81 344'5-TeCB	3.95				ES PCB-3	54.3
PCB-105 233'44'-PeCB	278			B	ES PCB-4	57.6
PCB-114 2344'5-PeCB	17.2				ES PCB-15	79.8
PCB-118 23'44'5-PeCB	726			B	ES PCB-19	61.9
PCB-123 23'44'5'-PeCB	13.3				ES PCB-37	72.2
PCB-126 33'44'5-PeCB	4.38				ES PCB-54	50.9
PCB-156/157 233'44'5/233'44'5'-HxCB	116			C	ES PCB-77	71.3
PCB-167 23'44'55'-HxCB	49.7				ES PCB-81	70.6
PCB-169 33'44'55'-HxCB	ND	2.81		U	ES PCB-104	77.6
PCB-189 233'44'55'-HpCB	20.3				ES PCB-105	69.8
					ES PCB-114	73.5
TEQs (WHO 1998 M/H)					ES PCB-118	77.3
					ES PCB-123	79.1
ND = 0	0.647		0.647		ES PCB-126	69.9
ND = 0.5 x DL	0.661		0.661		ES PCB-153	86.1
ND = DL	0.675		0.675		ES PCB-155	97.1
					ES PCB-156/157	70.9 C
Totals					ES PCB-167	76.7
Mono-CB	1,080				ES PCB-169	56
Di-CB	2,540				ES PCB-170	116
Tri-CB	4,800				ES PCB-180	125
Tetra-CB	9,210		9,210		ES PCB-188	79.3
Penta-CB	8,010				ES PCB-189	108
Hexa-CB	7,850		7,850		ES PCB-202	80.8
Hepta-CB	5,250				ES PCB-205	80.9
Octa-CB	2,560				ES PCB-206	94.8
Nona-CB	5,330				ES PCB-208	111
Deca-CB	6,490				ES PCB-209	96.7
					CS PCB-28	85.2
Total PCB (Mono-Deca)	53,100		53,100		CS PCB-111	96.4
					CS PCB-178	90

Checkcode: 448-424-VRV/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:58 Analyst: MS

Sample ID: D16-BOR-10-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.50 g	Sample ID:	B1566_15466_PCB_015-R1	Date Extracted:	18-Jan-2018
Date Collected:	07-Nov-2017	% Solid	44.6 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	448-424-VRV/A	Time Analyzed:	00:41:55

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	468	B	PCB-19	47.2		PCB-54	5.4		PCB-72	19.9	
PCB-2	193		PCB-30/18	362	B C	PCB-50/53	166	C	PCB-68	12.9	
PCB-3	415		PCB-17	183	B	PCB-45	190		PCB-57	17.3	
			PCB-27	53.2		PCB-51	58		PCB-58	8.2	
Conc.	1,080		PCB-24	36.8		PCB-46	73.9		PCB-67	41	
EMPC	1,080		PCB-16	872	B	PCB-52	1,180	B	PCB-63	33.3	
			PCB-32	132	B	PCB-73	[4.32]	EMPC	PCB-61/70/74/76	1,120	B C
Di	**Conc.**	**Qualifiers**	PCB-34	18.7		PCB-43	43		PCB-66	669	B
PCB-4	435		PCB-23	10.9		PCB-69/49	678	B C	PCB-55	19.9	
PCB-10	9.4		PCB-26/29	157	C	PCB-48	166	B	PCB-56	1,490	B
PCB-9	97.5		PCB-25	151		PCB-44/47/65	1,080	B C	PCB-60	99.3	
PCB-7	27.9		PCB-31	395	B	PCB-59/62/75	122	C	PCB-80	(3.6)	U
PCB-6	326		PCB-28/20	752	B C	PCB-42	321		PCB-79	22.1	
PCB-5	357		PCB-21/33	604	B C	PCB-41	39.5		PCB-78	(4.56)	U
PCB-8	379	B	PCB-22	381	B	PCB-71/40	802	B C	PCB-81	3.95	
PCB-14	46.6		PCB-36	15.1		PCB-64	361	B	PCB-77	371	
PCB-11	209	B	PCB-39	24.7							
PCB-13/12	426	C	PCB-38	16.6							
PCB-15	222		PCB-35	221							
			PCB-37	363							
Conc.	2,540		**Conc.**	4,800					**Conc.**	9,210	
EMPC	2,540		**EMPC**	4,800					**EMPC**	9,210	

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Totals	Conc.	EMPC
Mono-Tri	8,410	8,410
Tetra-Hexa	25,100	25,100
Hepta-Deca	19,600	19,600
Mono-Deca	53,100	53,100

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Sample ID: D16-BOR-10-(0.5-1.0) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	1.7	J	PCB-108/119/86/97/125/87	750	B C	PCB-155	26		PCB-165	2.08	J
PCB-96	17.7		PCB-117	(5.23)	U	PCB-152	[1.73]	J EMPC	PCB-146	403	
PCB-103	44.5		PCB-116/85	208	C	PCB-150	13.7		PCB-161	(0.413)	U
PCB-94	13.2		PCB-110	1,350	B	PCB-136	270	B	PCB-153/168	1,390	B C
PCB-95	1,060	B	PCB-115	(4.5)	U	PCB-145	(0.369)	U	PCB-141	201	
PCB-100/93	37.2	C	PCB-82	143		PCB-148	14.7		PCB-130	124	
PCB-102	49.1		PCB-111	(4.22)	U	PCB-151/135	768	B C	PCB-137	36.8	
PCB-98	39		PCB-120	12.7		PCB-154	94.3		PCB-164	103	
PCB-88	(7.97)	U	PCB-107/124	27.4	C	PCB-144	66.1		PCB-163/138/129	1,450	B C
PCB-91	211		PCB-109	90.5		PCB-147/149	1,630	B C	PCB-160	(0.416)	U
PCB-84	413		PCB-123	13.3		PCB-134	111		PCB-158	96.6	
PCB-89	21.9		PCB-106	(4.37)	U	PCB-143	(0.558)	U	PCB-128/166	193	C
PCB-121	(4.44)	U	PCB-118	726	B	PCB-139/140	41.4	C	PCB-159	37.8	
PCB-92	301		PCB-122	13.5		PCB-131	18		PCB-162	10.2	
PCB-113/90/101	1,270	B C	PCB-114	17.2		PCB-142	2.32		PCB-167	49.7	
PCB-83	83.2		PCB-105	278	B	PCB-132	531		PCB-156/157	116	C
PCB-99	812	B	PCB-127	(5.11)	U	PCB-133	55.1		PCB-169	(2.81)	U
PCB-112	(4.52)	U	PCB-126	4.38							
			Conc.	8,010					**Conc.**	7,850	
			EMPC	8,010					**EMPC**	7,850	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	16.9		PCB-174	689		PCB-202	315		PCB-208	1,650	
PCB-179	362		PCB-177	434		PCB-201	122		PCB-207	324	
PCB-184	11.1		PCB-181	4.69		PCB-204	3.97		PCB-206	3,350	
PCB-176	85.6		PCB-171/173	181	C	PCB-197	38.1				
PCB-186	(0.374)	U	PCB-172	101		PCB-200	56.1		**Conc.**	5,330	
PCB-178	164		PCB-192	1.71	J	PCB-198/199	779	C	**EMPC**	5,330	
PCB-175	34.6		PCB-180/193	1,090	C	PCB-196	264				
PCB-187	1,030		PCB-191	17.5		PCB-203	336		**Deca**	**Conc.**	**Qualifiers**
PCB-182	17.1		PCB-170	462		PCB-195	164		PCB-209	6,490	
PCB-183	398		PCB-190	80.4		PCB-194	457				
PCB-185	40.6		PCB-189	20.3		PCB-205	21.6				
			Conc.	5,250		**Conc.**	2,560				
			EMPC	5,250		**EMPC**	2,560				

Sample ID: D16-BOR-11-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.77 g	Sample ID:	B1566_15466_PCB_016-R1	Date Extracted:	18-Jan-2018
Date Collected:	07-Nov-2017	% Solid	47.4 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	361				ES PCB-1	29.1
PCB-81 344'5-TeCB	18.7				ES PCB-3	23.1
PCB-105 233'44'-PeCB	476			B	ES PCB-4	53.9
PCB-114 2344'5-PeCB	46.5				ES PCB-15	86.4
PCB-118 23'44'5-PeCB	1,250			B	ES PCB-19	65.6
PCB-123 23'44'5'-PeCB	EMPC		31.8	EMPC	ES PCB-37	83.7
PCB-126 33'44'5-PeCB	24.3				ES PCB-54	50.3
PCB-156/157 233'44'5/233'44'5'-HxCB	254			C	ES PCB-77	94.5
PCB-167 23'44'55'-HxCB	105				ES PCB-81	95.9
PCB-169 33'44'55'-HxCB	ND	3.96		U	ES PCB-104	68.8
PCB-189 233'44'55'-HpCB	36.9				ES PCB-105	87.9
					ES PCB-114	88.9
TEQs (WHO 2005 M/H)					ES PCB-118	90.8
					ES PCB-123	90.4
ND = 0	2.54		2.54		ES PCB-126	99.1
ND = 0.5 x DL	2.6		2.6		ES PCB-153	90.5
ND = DL	2.66		2.66		ES PCB-155	83.7
					ES PCB-156/157	94.4 C
Totals					ES PCB-167	93.1
Mono-CB	8,390				ES PCB-169	83.4
Di-CB	16,500				ES PCB-170	111
Tri-CB	14,000				ES PCB-180	106
Tetra-CB	8,420				ES PCB-188	80.5
Penta-CB	12,200		12,200		ES PCB-189	112
Hexa-CB	12,200		12,200		ES PCB-202	90.3
Hepta-CB	6,930				ES PCB-205	90.7
Octa-CB	4,050				ES PCB-206	103
Nona-CB	6,110				ES PCB-208	107
Deca-CB	5,960				ES PCB-209	89.2
					CS PCB-28	77
Total PCB (Mono-Deca)	94,700		94,800		CS PCB-111	91.1
					CS PCB-178	86.6

Checkcode: 441-173-QFD/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:59 Analyst: MS

Sample ID: D16-BOR-11-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.77 g	Sample ID:	B1566_15466_PCB_016-R1	Date Extracted:	18-Jan-2018
Date Collected:	07-Nov-2017	% Solid	47.4 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	361				ES PCB-1	29.1
PCB-81 344'5-TeCB	18.7				ES PCB-3	23.1
PCB-105 233'44'-PeCB	476			B	ES PCB-4	53.9
PCB-114 2344'5-PeCB	46.5				ES PCB-15	86.4
PCB-118 23'44'5-PeCB	1,250			B	ES PCB-19	65.6
PCB-123 23'44'5'-PeCB	EMPC		31.8	EMPC	ES PCB-37	83.7
PCB-126 33'44'5-PeCB	24.3				ES PCB-54	50.3
PCB-156/157 233'44'5/233'44'5'-HxCB	254			C	ES PCB-77	94.5
PCB-167 23'44'55'-HxCB	105				ES PCB-81	95.9
PCB-169 33'44'55'-HxCB	ND	3.96		U	ES PCB-104	68.8
PCB-189 233'44'55'-HpCB	36.9				ES PCB-105	87.9
					ES PCB-114	88.9
TEQs (WHO 1998 M/H)					ES PCB-118	90.8
					ES PCB-123	90.4
ND = 0	2.8		2.8		ES PCB-126	99.1
ND = 0.5 x DL	2.82		2.82		ES PCB-153	90.5
ND = DL	2.84		2.84		ES PCB-155	83.7
					ES PCB-156/157	94.4 C
Totals					ES PCB-167	93.1
Mono-CB	8,390				ES PCB-169	83.4
Di-CB	16,500				ES PCB-170	111
Tri-CB	14,000				ES PCB-180	106
Tetra-CB	8,420				ES PCB-188	80.5
Penta-CB	12,200		12,200		ES PCB-189	112
Hexa-CB	12,200		12,200		ES PCB-202	90.3
Hepta-CB	6,930				ES PCB-205	90.7
Octa-CB	4,050				ES PCB-206	103
Nona-CB	6,110				ES PCB-208	107
Deca-CB	5,960				ES PCB-209	89.2
					CS PCB-28	77
Total PCB (Mono-Deca)	94,700		94,800		CS PCB-111	91.1
					CS PCB-178	86.6

Checkcode: 441-173-QFD/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:59 Analyst: MS

Sample ID: D16-BOR-11-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.77 g	Sample ID:	B1566_15466_PCB_016-R1	Date Extracted:	18-Jan-2018
Date Collected:	07-Nov-2017	% Solid	47.4 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	441-173-QFD/A	Time Analyzed:	03:35:22

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	2,770	B	PCB-19	67.6		PCB-54	9.37		PCB-72	58.7	
PCB-2	3,290		PCB-30/18	1,060	B C	PCB-50/53	149	C	PCB-68	32.8	
PCB-3	2,330		PCB-17	334	B	PCB-45	108		PCB-57	31.8	
			PCB-27	97.1		PCB-51	80.3		PCB-58	19.6	
Conc.	8,390		PCB-24	419		PCB-46	53.5		PCB-67	51.1	
EMPC	8,390		PCB-16	691	B	PCB-52	1,120	B	PCB-63	74	
			PCB-32	183	B	PCB-73	9.24		PCB-61/70/74/76	1,500	B C
Di	**Conc.**	**Qualifiers**	PCB-34	295		PCB-43	59.8		PCB-66	798	B
PCB-4	1,820		PCB-23	159		PCB-69/49	626	B C	PCB-55	21.5	
PCB-10	35.4		PCB-26/29	565	C	PCB-48	125	B	PCB-56	534	B
PCB-9	1,430		PCB-25	279		PCB-44/47/65	1,050	B C	PCB-60	123	
PCB-7	273		PCB-31	1,380	B	PCB-59/62/75	122	C	PCB-80	11	
PCB-6	1,780		PCB-28/20	1,070	B C	PCB-42	249		PCB-79	98.1	
PCB-5	539		PCB-21/33	1,630	B C	PCB-41	38		PCB-78	18.4	
PCB-8	3,290	B	PCB-22	680	B	PCB-71/40	497	B C	PCB-81	18.7	
PCB-14	1,410		PCB-36	275		PCB-64	368	B	PCB-77	361	
PCB-11	1,030	B	PCB-39	565							
PCB-13/12	3,790	C	PCB-38	23.9							
PCB-15	1,090		PCB-35	954							
			PCB-37	3,320							
Conc.	16,500		**Conc.**	14,000					**Conc.**	8,420	
EMPC	16,500		**EMPC**	14,000					**EMPC**	8,420	

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Totals	Conc.	EMPC
Mono-Tri	38,900	38,900
Tetra-Hexa	32,700	32,800
Hepta-Deca	23,000	23,000
Mono-Deca	94,700	94,800

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Sample ID: D16-BOR-11-(0-0.5) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	[4.23]	EMPC	PCB-108/119/86/97/125/87	1,230	B C	PCB-155	14.1		PCB-165	14.6	
PCB-96	21.2		PCB-117	791		PCB-152	4.14		PCB-146	550	
PCB-103	43.3		PCB-116/85	2,330	C	PCB-150	21.7		PCB-161	22	
PCB-94	(28.9)	U	PCB-110	(19.7)	U	PCB-136	377	B	PCB-153/168	2,090	B C
PCB-95	1,260	B	PCB-115	(20.7)	U	PCB-145	4.61		PCB-141	411	
PCB-100/93	61.4	C	PCB-82	183		PCB-148	26		PCB-130	188	
PCB-102	57.7		PCB-111	24.1		PCB-151/135	914	B C	PCB-137	109	
PCB-98	(32.8)	U	PCB-120	38.3		PCB-154	112		PCB-164	233	
PCB-88	384		PCB-107/124	79	C	PCB-144	96.4		PCB-163/138/129	2,360	B C
PCB-91	(22.2)	U	PCB-109	144		PCB-147/149	2,090	B C	PCB-160	308	
PCB-84	457		PCB-123	[31.8]	EMPC	PCB-134	121		PCB-158	164	
PCB-89	(29.8)	U	PCB-106	57.2		PCB-143	[24.7]	EMPC	PCB-128/166	481	C
PCB-121	(19.1)	U	PCB-118	1,250	B	PCB-139/140	57.3	C	PCB-159	66.1	
PCB-92	387		PCB-122	[38.1]	EMPC	PCB-131	28.4		PCB-162	38.8	
PCB-113/90/101	1,760	B C	PCB-114	46.5		PCB-142	90.1		PCB-167	105	
PCB-83	94.6		PCB-105	476	B	PCB-132	719		PCB-156/157	254	C
PCB-99	933	B	PCB-127	(21)	U	PCB-133	83.3		PCB-169	(3.96)	U
PCB-112	26		PCB-126	24.3							
			Conc.	12,200					**Conc.**	12,200	
			EMPC	12,200					**EMPC**	12,200	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	27.1		PCB-174	828		PCB-202	378		PCB-208	1,720	
PCB-179	343		PCB-177	477		PCB-201	161		PCB-207	446	
PCB-184	25		PCB-181	56.6		PCB-204	39.1		PCB-206	3,940	
PCB-176	96.6		PCB-171/173	232	C	PCB-197	64.7				
PCB-186	12.1		PCB-172	178		PCB-200	86.5		**Conc.**	6,110	
PCB-178	199		PCB-192	132		PCB-198/199	1,470	C	**EMPC**	6,110	
PCB-175	57.4		PCB-180/193	1,600	C	PCB-196	414				
PCB-187	1,220		PCB-191	43.3		PCB-203	581		**Deca**	**Conc.**	**Qualifiers**
PCB-182	48.5		PCB-170	557		PCB-195	161		PCB-209	5,960	
PCB-183	443		PCB-190	184		PCB-194	630				
PCB-185	125		PCB-189	36.9		PCB-205	65				
			Conc.	6,930		**Conc.**	4,050				
			EMPC	6,930		**EMPC**	4,050				

Sample ID: D16-BOR-11-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.78 g	Sample ID:	B1566_15466_PCB_017-R1	Date Extracted:	18-Jan-2018
Date Collected:	07-Nov-2017	% Solid	50.5 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	4,610				ES PCB-1	65.3
PCB-81 344'5-TeCB	30.9				ES PCB-3	70.4
PCB-105 233'44'-PeCB	1,300			B	ES PCB-4	72.3
PCB-114 2344'5-PeCB	86.8				ES PCB-15	85.2
PCB-118 23'44'5-PeCB	2,890			B	ES PCB-19	69.3
PCB-123 23'44'5'-PeCB	111				ES PCB-37	80.6
PCB-126 33'44'5-PeCB	47.3				ES PCB-54	55.4
PCB-156/157 233'44'5/233'44'5'-HxCB	561			C	ES PCB-77	81.6
PCB-167 23'44'55'-HxCB	249				ES PCB-81	79.7
PCB-169 33'44'55'-HxCB	80.3				ES PCB-104	86.2
PCB-189 233'44'55'-HpCB	282				ES PCB-105	86.8
					ES PCB-114	89.1
TEQs (WHO 2005 M/H)					ES PCB-118	91.6
					ES PCB-123	90
ND = 0	7.77		7.77		ES PCB-126	88.5
ND = 0.5 x DL	7.77		7.77		ES PCB-153	93.4
ND = DL	7.77		7.77		ES PCB-155	92.4
					ES PCB-156/157	90.3 C
Totals					ES PCB-167	93.9
Mono-CB	20,600				ES PCB-169	77.2
Di-CB	39,000				ES PCB-170	118
Tri-CB	40,700				ES PCB-180	126
Tetra-CB	61,300				ES PCB-188	86.5
Penta-CB	29,900				ES PCB-189	117
Hexa-CB	25,700		25,700		ES PCB-202	92.7
Hepta-CB	14,600		14,700		ES PCB-205	92.8
Octa-CB	8,860				ES PCB-206	106
Nona-CB	9,140				ES PCB-208	110
Deca-CB	6,940				ES PCB-209	84.6
					CS PCB-28	80.1
Total PCB (Mono-Deca)	257,000		257,000		CS PCB-111	92.8
					CS PCB-178	88.6

Checkcode: 742-539-RPT/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:00 Analyst: MS

Sample ID: D16-BOR-11-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.78 g	Sample ID:	B1566_15466_PCB_017-R1	Date Extracted:	18-Jan-2018
Date Collected:	07-Nov-2017	% Solid	50.5 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	4,610				ES PCB-1	65.3
PCB-81 344'5-TeCB	30.9				ES PCB-3	70.4
PCB-105 233'44'-PeCB	1,300			B	ES PCB-4	72.3
PCB-114 2344'5-PeCB	86.8				ES PCB-15	85.2
PCB-118 23'44'5-PeCB	2,890			B	ES PCB-19	69.3
PCB-123 23'44'5'-PeCB	111				ES PCB-37	80.6
PCB-126 33'44'5-PeCB	47.3				ES PCB-54	55.4
PCB-156/157 233'44'5/233'44'5'-HxCB	561			C	ES PCB-77	81.6
PCB-167 23'44'55'-HxCB	249				ES PCB-81	79.7
PCB-169 33'44'55'-HxCB	80.3				ES PCB-104	86.2
PCB-189 233'44'55'-HpCB	282				ES PCB-105	86.8
					ES PCB-114	89.1
TEQs (WHO 1998 M/H)					ES PCB-118	91.6
					ES PCB-123	90
ND = 0	6.78		6.78		ES PCB-126	88.5
ND = 0.5 x DL	6.78		6.78		ES PCB-153	93.4
ND = DL	6.78		6.78		ES PCB-155	92.4
					ES PCB-156/157	90.3 C
Totals					ES PCB-167	93.9
Mono-CB	20,600				ES PCB-169	77.2
Di-CB	39,000				ES PCB-170	118
Tri-CB	40,700				ES PCB-180	126
Tetra-CB	61,300				ES PCB-188	86.5
Penta-CB	29,900				ES PCB-189	117
Hexa-CB	25,700		25,700		ES PCB-202	92.7
Hepta-CB	14,600		14,700		ES PCB-205	92.8
Octa-CB	8,860				ES PCB-206	106
Nona-CB	9,140				ES PCB-208	110
Deca-CB	6,940				ES PCB-209	84.6
					CS PCB-28	80.1
Total PCB (Mono-Deca)	257,000		257,000		CS PCB-111	92.8
					CS PCB-178	88.6

Checkcode: 742-539-RPT/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:00 Analyst: MS

Sample ID: D16-BOR-11-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.78 g	Sample ID:	B1566_15466_PCB_017-R1	Date Extracted:	18-Jan-2018
Date Collected:	07-Nov-2017	% Solid	50.5 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	742-539-RPT/A	Time Analyzed:	04:29:23

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	6,330	B	PCB-19	260		PCB-54	25.9		PCB-72	94.6	
PCB-2	4,920		PCB-30/18	2,430	B C	PCB-50/53	792	C	PCB-68	138	
PCB-3	9,360	E	PCB-17	1,290	B	PCB-45	612		PCB-57	45.9	
			PCB-27	278		PCB-51	271		PCB-58	60.5	
Conc.	20,600		PCB-24	489		PCB-46	321		PCB-67	137	
EMPC	20,600		PCB-16	5,840	B	PCB-52	4,730	B	PCB-63	244	
			PCB-32	672	B	PCB-73	16.1		PCB-61/70/74/76	5,660	B C
Di	**Conc.**	**Qualifiers**	PCB-34	285		PCB-43	184		PCB-66	3,360	B
PCB-4	3,220		PCB-23	148		PCB-69/49	2,760	B C	PCB-55	64	
PCB-10	112		PCB-26/29	933	C	PCB-48	684	B	PCB-56	18,100	E B
PCB-9	1,950		PCB-25	814		PCB-44/47/65	4,660	B C	PCB-60	592	
PCB-7	860		PCB-31	2,770	B	PCB-59/62/75	1,030	C	PCB-80	38.1	
PCB-6	4,360		PCB-28/20	6,900	B C	PCB-42	1,820		PCB-79	179	
PCB-5	6,890		PCB-21/33	5,810	B C	PCB-41	271		PCB-78	(11.9)	U
PCB-8	6,630	B	PCB-22	4,250	B	PCB-71/40	8,190	B C	PCB-81	30.9	
PCB-14	1,230		PCB-36	172		PCB-64	1,530	B	PCB-77	4,610	
PCB-11	1,760	B	PCB-39	374							
PCB-13/12	7,630	C	PCB-38	115							
PCB-15	4,360		PCB-35	2,620							
			PCB-37	4,250							
Conc.	39,000		**Conc.**	40,700					**Conc.**	61,300	
EMPC	39,000		**EMPC**	40,700					**EMPC**	61,300	

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Totals	Conc.	EMPC
Mono-Tri	100,000	100,000
Tetra-Hexa	117,000	117,000
Hepta-Deca	39,600	39,600
Mono-Deca	257,000	257,000

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Sample ID: D16-BOR-11-(0.5-1.0) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	19		PCB-108/119/86/97/125/87	3,650	B C	PCB-155	48.6		PCB-165	9.46	
PCB-96	64.5		PCB-117	92.6		PCB-152	7.02		PCB-146	1,250	
PCB-103	304		PCB-116/85	840	C	PCB-150	71.4		PCB-161	[5.25]	EMPC
PCB-94	(51.8)	U	PCB-110	4,720	B	PCB-136	893	B	PCB-153/168	4,180	B C
PCB-95	3,460	B	PCB-115	(37.1)	U	PCB-145	5.25		PCB-141	825	
PCB-100/93	145	C	PCB-82	551		PCB-148	66.9		PCB-130	432	
PCB-102	165		PCB-111	(34.1)	U	PCB-151/135	2,180	B C	PCB-137	177	
PCB-98	1,080		PCB-120	(34.8)	U	PCB-154	202		PCB-164	483	
PCB-88	(56.4)	U	PCB-107/124	142	C	PCB-144	222		PCB-163/138/129	4,970	B C
PCB-91	680		PCB-109	359		PCB-147/149	4,660	B C	PCB-160	97.9	
PCB-84	1,300		PCB-123	111		PCB-134	275		PCB-158	409	
PCB-89	(53.4)	U	PCB-106	(36.7)	U	PCB-143	[11.2]	EMPC	PCB-128/166	775	C
PCB-121	(34.3)	U	PCB-118	2,890	B	PCB-139/140	142	C	PCB-159	151	
PCB-92	944		PCB-122	64.1		PCB-131	107		PCB-162	167	
PCB-113/90/101	4,320	B C	PCB-114	86.8		PCB-142	39.7		PCB-167	249	
PCB-83	336		PCB-105	1,300	B	PCB-132	1,690		PCB-156/157	561	C
PCB-99	2,240	B	PCB-127	(42.2)	U	PCB-133	242		PCB-169	80.3	
PCB-112	(36.2)	U	PCB-126	47.3							
			Conc.	29,900					**Conc.**	25,700	
			EMPC	29,900					**EMPC**	25,700	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[27.7]	EMPC	PCB-174	1,730		PCB-202	775		PCB-208	2,530	
PCB-179	768		PCB-177	979		PCB-201	299		PCB-207	578	
PCB-184	121		PCB-181	28.3		PCB-204	20		PCB-206	6,040	
PCB-176	202		PCB-171/173	597	C	PCB-197	76.7				
PCB-186	3.38		PCB-172	338		PCB-200	214		**Conc.**	9,140	
PCB-178	397		PCB-192	34.1		PCB-198/199	2,890	C	**EMPC**	9,140	
PCB-175	96.9		PCB-180/193	3,420	C	PCB-196	775				
PCB-187	2,710		PCB-191	59.2		PCB-203	1,500		**Deca**	**Conc.**	**Qualifiers**
PCB-182	39.1		PCB-170	1,220		PCB-195	390		PCB-209	6,940	
PCB-183	960		PCB-190	371		PCB-194	1,820				
PCB-185	281		PCB-189	282		PCB-205	104				
			Conc.	14,600		**Conc.**	8,860				
			EMPC	14,700		**EMPC**	8,860				

Sample ID: D16-BOR-12-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.89 g	Sample ID:	B1566_15466_PCB_018-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	54.3 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	188				ES PCB-1	40.5
PCB-81 344'5-TeCB	7.05				ES PCB-3	37.4
PCB-105 233'44'-PeCB	380			B	ES PCB-4	56.9
PCB-114 2344'5-PeCB	24.2				ES PCB-15	87.4
PCB-118 23'44'5-PeCB	944			B	ES PCB-19	71.9
PCB-123 23'44'5'-PeCB	19.1				ES PCB-37	78.3
PCB-126 33'44'5-PeCB	6.46				ES PCB-54	54.1
PCB-156/157 233'44'5/233'44'5'-HxCB	163			C	ES PCB-77	90.9
PCB-167 23'44'55'-HxCB	69.5				ES PCB-81	86.4
PCB-169 33'44'55'-HxCB	ND	2.69		U	ES PCB-104	74.5
PCB-189 233'44'55'-HpCB	19.1				ES PCB-105	88.6
					ES PCB-114	86
TEQs (WHO 2005 M/H)					ES PCB-118	91.1
					ES PCB-123	88.9
ND = 0	0.716		0.716		ES PCB-126	88.7
ND = 0.5 x DL	0.756		0.756		ES PCB-153	92.5
ND = DL	0.796		0.796		ES PCB-155	89.1
					ES PCB-156/157	85.7 C
Totals					ES PCB-167	88.2
Mono-CB	2,570				ES PCB-169	73.3
Di-CB	5,510				ES PCB-170	116
Tri-CB	7,200				ES PCB-180	122
Tetra-CB	8,660				ES PCB-188	82
Penta-CB	9,330		9,350		ES PCB-189	113
Hexa-CB	8,710		8,730		ES PCB-202	87.2
Hepta-CB	4,920				ES PCB-205	88
Octa-CB	2,770				ES PCB-206	99.7
Nona-CB	4,880				ES PCB-208	117
Deca-CB	4,620				ES PCB-209	102
					CS PCB-28	77.1
Total PCB (Mono-Deca)	59,200		59,200		CS PCB-111	90.7
					CS PCB-178	83.4

Checkcode: 329-612-HWB/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:00 Analyst: MS

Sample ID: D16-BOR-12-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.89 g	Sample ID:	B1566_15466_PCB_018-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	54.3 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	188				ES PCB-1	40.5
PCB-81 344'5-TeCB	7.05				ES PCB-3	37.4
PCB-105 233'44'-PeCB	380			B	ES PCB-4	56.9
PCB-114 2344'5-PeCB	24.2				ES PCB-15	87.4
PCB-118 23'44'5-PeCB	944			B	ES PCB-19	71.9
PCB-123 23'44'5'-PeCB	19.1				ES PCB-37	78.3
PCB-126 33'44'5-PeCB	6.46				ES PCB-54	54.1
PCB-156/157 233'44'5/233'44'5'-HxCB	163			C	ES PCB-77	90.9
PCB-167 23'44'55'-HxCB	69.5				ES PCB-81	86.4
PCB-169 33'44'55'-HxCB	ND	2.69		U	ES PCB-104	74.5
PCB-189 233'44'55'-HpCB	19.1				ES PCB-105	88.6
					ES PCB-114	86
TEQs (WHO 1998 M/H)					ES PCB-118	91.1
					ES PCB-123	88.9
ND = 0	0.896		0.896		ES PCB-126	88.7
ND = 0.5 x DL	0.91		0.91		ES PCB-153	92.5
ND = DL	0.923		0.923		ES PCB-155	89.1
					ES PCB-156/157	85.7 C
Totals					ES PCB-167	88.2
Mono-CB	2,570				ES PCB-169	73.3
Di-CB	5,510				ES PCB-170	116
Tri-CB	7,200				ES PCB-180	122
Tetra-CB	8,660				ES PCB-188	82
Penta-CB	9,330		9,350		ES PCB-189	113
Hexa-CB	8,710		8,730		ES PCB-202	87.2
Hepta-CB	4,920				ES PCB-205	88
Octa-CB	2,770				ES PCB-206	99.7
Nona-CB	4,880				ES PCB-208	117
Deca-CB	4,620				ES PCB-209	102
					CS PCB-28	77.1
Total PCB (Mono-Deca)	59,200		59,200		CS PCB-111	90.7
					CS PCB-178	83.4

Checkcode: 329-612-HWB/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:00 Analyst: MS

Sample ID: D16-BOR-12-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.89 g	Sample ID:	B1566_15466_PCB_018-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	54.3 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	329-612-HWB/A	Time Analyzed:	05:23:26

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	930	B	PCB-19	77.1		PCB-54	10.3		PCB-72	31	
PCB-2	818		PCB-30/18	690	B C	PCB-50/53	183	C	PCB-68	34.1	
PCB-3	825		PCB-17	301	B	PCB-45	154		PCB-57	10.3	
			PCB-27	167		PCB-51	101		PCB-58	10.2	
Conc.	2,570		PCB-24	130		PCB-46	73.8		PCB-67	40.7	
EMPC	2,570		PCB-16	393	B	PCB-52	1,220	B	PCB-63	42	
			PCB-32	204	B	PCB-73	9.87		PCB-61/70/74/76	1,410	B C
Di	**Conc.**	**Qualifiers**	PCB-34	86.2		PCB-43	48.5		PCB-66	875	B
PCB-4	592		PCB-23	36.3		PCB-69/49	698	B C	PCB-55	18	
PCB-10	17.6		PCB-26/29	335	C	PCB-48	175	B	PCB-56	535	B
PCB-9	409		PCB-25	399		PCB-44/47/65	1,130	B C	PCB-60	148	
PCB-7	86.7		PCB-31	908	B	PCB-59/62/75	108	C	PCB-80	10.7	
PCB-6	575		PCB-28/20	953	B C	PCB-42	305		PCB-79	33.3	
PCB-5	198		PCB-21/33	659	B C	PCB-41	57		PCB-78	(4.08)	U
PCB-8	973	B	PCB-22	379	B	PCB-71/40	569	B C	PCB-81	7.05	
PCB-14	345		PCB-36	77.2		PCB-64	416	B	PCB-77	188	
PCB-11	683	B	PCB-39	145							
PCB-13/12	1,160	C	PCB-38	9.38							
PCB-15	476		PCB-35	246							
			PCB-37	1,010							
Conc.	5,510		**Conc.**	7,200					**Conc.**	8,660	
EMPC	5,510		**EMPC**	7,200					**EMPC**	8,660	

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Totals	Conc.	EMPC
Mono-Tri	15,300	15,300
Tetra-Hexa	26,700	26,700
Hepta-Deca	17,200	17,200
Mono-Deca	59,200	59,200

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Sample ID: D16-BOR-12-(0-0.5) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	[3.02]	EMPC	PCB-108/119/86/97/125/87	884	B C	PCB-155	[8.96]	EMPC	PCB-165	[2.89]	EMPC
PCB-96	20		PCB-117	258		PCB-152	[2.63]	EMPC	PCB-146	434	
PCB-103	38		PCB-116/85	1,900	C	PCB-150	14.9		PCB-161	(0.581)	U
PCB-94	15.7		PCB-110	(8.35)	U	PCB-136	297	B	PCB-153/168	1,560	B C
PCB-95	1,080	B	PCB-115	(8.79)	U	PCB-145	(0.671)	U	PCB-141	253	
PCB-100/93	40.8	C	PCB-82	168		PCB-148	(0.79)	U	PCB-130	144	
PCB-102	50.6		PCB-111	(8.08)	U	PCB-151/135	714	B C	PCB-137	46.9	
PCB-98	41.4		PCB-120	[16.8]	EMPC	PCB-154	78.4		PCB-164	146	
PCB-88	320		PCB-107/124	41.1	C	PCB-144	68.5		PCB-163/138/129	1,770	B C
PCB-91	(9.43)	U	PCB-109	104		PCB-147/149	1,690	B C	PCB-160	22.5	
PCB-84	396		PCB-123	19.1		PCB-134	102		PCB-158	119	
PCB-89	21.5		PCB-106	5.37		PCB-143	(0.83)	U	PCB-128/166	289	C
PCB-121	(8.12)	U	PCB-118	944	B	PCB-139/140	32.9	C	PCB-159	32.5	
PCB-92	315		PCB-122	20.4		PCB-131	7.29		PCB-162	20.4	
PCB-113/90/101	1,400	B C	PCB-114	24.2		PCB-142	(0.903)	U	PCB-167	69.5	
PCB-83	84.8		PCB-105	380	B	PCB-132	569		PCB-156/157	163	C
PCB-99	760	B	PCB-127	(8.56)	U	PCB-133	66.2		PCB-169	(2.69)	U
PCB-112	6.1		PCB-126	6.46							
			Conc.	9,330					**Conc.**	8,710	
			EMPC	9,350					**EMPC**	8,730	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	18.2		PCB-174	608		PCB-202	310		PCB-208	1,450	
PCB-179	279		PCB-177	399		PCB-201	115		PCB-207	277	
PCB-184	9.69		PCB-181	9.3		PCB-204	6.54		PCB-206	3,160	
PCB-176	72.9		PCB-171/173	164	C	PCB-197	37.6				
PCB-186	(0.557)	U	PCB-172	105		PCB-200	53.1		**Conc.**	4,880	
PCB-178	151		PCB-192	9.91		PCB-198/199	997	C	**EMPC**	4,880	
PCB-175	31.2		PCB-180/193	1,120	C	PCB-196	273				
PCB-187	951		PCB-191	20.2		PCB-203	406		**Deca**	**Conc.**	**Qualifiers**
PCB-182	15.3		PCB-170	464		PCB-195	133		PCB-209	4,620	
PCB-183	326		PCB-190	94.9		PCB-194	420				
PCB-185	58.8		PCB-189	19.1		PCB-205	23				
			Conc.	4,920		**Conc.**	2,770				
			EMPC	4,920		**EMPC**	2,770				

Sample ID: D16-BOR-12-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.96 g	Sample ID:	B1566_15466_PCB_019-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	55.6 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	4,070				ES PCB-1	54.5
PCB-81 344'5-TeCB	50.4				ES PCB-3	67.5
PCB-105 233'44'-PeCB	5,160			B	ES PCB-4	64.1
PCB-114 2344'5-PeCB	309				ES PCB-15	89.4
PCB-118 23'44'5-PeCB	11,400			E B	ES PCB-19	60
PCB-123 23'44'5'-PeCB	254				ES PCB-37	84.5
PCB-126 33'44'5-PeCB	43.8				ES PCB-54	63.5
PCB-156/157 233'44'5/233'44'5'-HxCB	1,280			C	ES PCB-77	85.8
PCB-167 23'44'55'-HxCB	470				ES PCB-81	88.6
PCB-169 33'44'55'-HxCB	ND	8.22		U	ES PCB-104	93.2
PCB-189 233'44'55'-HpCB	111				ES PCB-105	83.7
					ES PCB-114	88.5
TEQs (WHO 2005 M/H)					ES PCB-118	90.4
					ES PCB-123	91.7
ND = 0	5.37		5.37		ES PCB-126	85.7
ND = 0.5 x DL	5.49		5.49		ES PCB-153	96.7
ND = DL	5.62		5.62		ES PCB-155	110
					ES PCB-156/157	82.7 C
Totals					ES PCB-167	87.5
Mono-CB	4,170				ES PCB-169	65.7
Di-CB	20,700				ES PCB-170	138
Tri-CB	96,200				ES PCB-180	142
Tetra-CB	171,000				ES PCB-188	92.9
Penta-CB	108,000				ES PCB-189	125
Hexa-CB	60,200				ES PCB-202	89.5
Hepta-CB	28,900		28,900		ES PCB-205	89
Octa-CB	13,900				ES PCB-206	111
Nona-CB	15,700				ES PCB-208	125
Deca-CB	15,600			E	ES PCB-209	109
					CS PCB-28	88.4
Total PCB (Mono-Deca)	535,000		535,000		CS PCB-111	93.8
					CS PCB-178	95.2

Checkcode: 985-221-PJZ/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:00 Analyst: MS

Sample ID: D16-BOR-12-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.96 g	Sample ID:	B1566_15466_PCB_019-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	55.6 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	4,070				ES PCB-1	54.5
PCB-81 344'5-TeCB	50.4				ES PCB-3	67.5
PCB-105 233'44'-PeCB	5,160			B	ES PCB-4	64.1
PCB-114 2344'5-PeCB	309				ES PCB-15	89.4
PCB-118 23'44'5-PeCB	11,400			E B	ES PCB-19	60
PCB-123 23'44'5'-PeCB	254				ES PCB-37	84.5
PCB-126 33'44'5-PeCB	43.8				ES PCB-54	63.5
PCB-156/157 233'44'5/233'44'5'-HxCB	1,280			C	ES PCB-77	85.8
PCB-167 23'44'55'-HxCB	470				ES PCB-81	88.6
PCB-169 33'44'55'-HxCB	ND	8.22		U	ES PCB-104	93.2
PCB-189 233'44'55'-HpCB	111				ES PCB-105	83.7
					ES PCB-114	88.5
TEQs (WHO 1998 M/H)					ES PCB-118	90.4
					ES PCB-123	91.7
ND = 0	7.28		7.28		ES PCB-126	85.7
ND = 0.5 x DL	7.32		7.32		ES PCB-153	96.7
ND = DL	7.36		7.36		ES PCB-155	110
					ES PCB-156/157	82.7 C
Totals					ES PCB-167	87.5
Mono-CB	4,170				ES PCB-169	65.7
Di-CB	20,700				ES PCB-170	138
Tri-CB	96,200				ES PCB-180	142
Tetra-CB	171,000				ES PCB-188	92.9
Penta-CB	108,000				ES PCB-189	125
Hexa-CB	60,200				ES PCB-202	89.5
Hepta-CB	28,900		28,900		ES PCB-205	89
Octa-CB	13,900				ES PCB-206	111
Nona-CB	15,700				ES PCB-208	125
Deca-CB	15,600			E	ES PCB-209	109
					CS PCB-28	88.4
Total PCB (Mono-Deca)	535,000		535,000		CS PCB-111	93.8
					CS PCB-178	95.2

Checkcode: 985-221-PJZ/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:00 Analyst: MS

Sample ID: D16-BOR-12-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.96 g	Sample ID:	B1566_15466_PCB_019-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	55.6 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	985-221-PJZ/A	Time Analyzed:	06:17:28

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	2,010	B	PCB-19	1,070		PCB-54	53.3		PCB-72	195	
PCB-2	1,000		PCB-30/18	15,200	B C	PCB-50/53	3,490	C	PCB-68	123	
PCB-3	1,150		PCB-17	6,100	B	PCB-45	3,390		PCB-57	107	
			PCB-27	1,000		PCB-51	1,110		PCB-58	85.7	
Conc.	4,170		PCB-24	408		PCB-46	1,470		PCB-67	646	
EMPC	4,170		PCB-16	10,500	E B	PCB-52	23,600	E B	PCB-63	680	
			PCB-32	4,210	B	PCB-73	(1.59)	U	PCB-61/70/74/76	29,800	B C
Di	**Conc.**	**Qualifiers**	PCB-34	195		PCB-43	953		PCB-66	17,200	E B
PCB-4	3,880		PCB-23	72.4		PCB-69/49	11,800	B C	PCB-55	(27.7)	U
PCB-10	96.4		PCB-26/29	3,800	C	PCB-48	4,350	B	PCB-56	15,600	E B
PCB-9	769		PCB-25	1,590		PCB-44/47/65	21,400	B C	PCB-60	3,060	
PCB-7	253		PCB-31	12,700	E B	PCB-59/62/75	1,950	C	PCB-80	119	
PCB-6	3,400		PCB-28/20	15,300	B C	PCB-42	5,900		PCB-79	232	
PCB-5	1,420		PCB-21/33	10,900	B C	PCB-41	1,350		PCB-78	(30.3)	U
PCB-8	5,200	B	PCB-22	5,210	B	PCB-71/40	10,400	B C	PCB-81	50.4	
PCB-14	287		PCB-36	53.6		PCB-64	8,150	E B	PCB-77	4,070	
PCB-11	720	B	PCB-39	243							
PCB-13/12	2,690	C	PCB-38	53.3							
PCB-15	1,940		PCB-35	2,130							
			PCB-37	5,320							
Conc.	20,700		**Conc.**	96,200					**Conc.**	171,000	
EMPC	20,700		**EMPC**	96,200					**EMPC**	171,000	

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Totals	Conc.	EMPC
Mono-Tri	121,000	121,000
Tetra-Hexa	340,000	340,000
Hepta-Deca	74,000	74,000
Mono-Deca	535,000	535,000

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Sample ID: D16-BOR-12-(0.5-1.0) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	7.44		PCB-108/119/86/97/125/87	12,700	B C	PCB-155	199		PCB-165	(0.924)	U
PCB-96	258		PCB-117	3,060		PCB-152	14.3		PCB-146	2,330	
PCB-103	231		PCB-116/85	(31.4)	U C	PCB-150	41.4		PCB-161	(0.852)	U
PCB-94	164		PCB-110	16,800	E B	PCB-136	1,890	B	PCB-153/168	10,300	B C
PCB-95	13,300	E B	PCB-115	(26.7)	U	PCB-145	10.4		PCB-141	2,340	
PCB-100/93	223	C	PCB-82	2,740		PCB-148	49.8		PCB-130	889	
PCB-102	1,910		PCB-111	(24.5)	U	PCB-151/135	5,170	B C	PCB-137	348	
PCB-98	(42.3)	U	PCB-120	65.7		PCB-154	256		PCB-164	977	
PCB-88	3,480		PCB-107/124	483	C	PCB-144	635		PCB-163/138/129	12,500	B C
PCB-91	(28.6)	U	PCB-109	1,080		PCB-147/149	11,200	B C	PCB-160	(0.876)	U
PCB-84	5,630		PCB-123	254		PCB-134	855		PCB-158	1,010	
PCB-89	451		PCB-106	(26.4)	U	PCB-143	(1.22)	U	PCB-128/166	1,980	C
PCB-121	(24.7)	U	PCB-118	11,400	E B	PCB-139/140	248	C	PCB-159	213	
PCB-92	3,250		PCB-122	243		PCB-131	194		PCB-162	57.6	
PCB-113/90/101	15,600	B C	PCB-114	309		PCB-142	(1.32)	U	PCB-167	470	
PCB-83	1,200		PCB-105	5,160	B	PCB-132	4,520		PCB-156/157	1,280	C
PCB-99	7,950	B	PCB-127	(29.8)	U	PCB-133	277		PCB-169	(8.22)	U
PCB-112	(26.1)	U	PCB-126	43.8							
			Conc.	108,000					**Conc.**	60,200	
			EMPC	108,000					**EMPC**	60,200	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[22.5]	EMPC	PCB-174	3,990		PCB-202	1,200		PCB-208	4,380	
PCB-179	1,620		PCB-177	2,280		PCB-201	439		PCB-207	873	
PCB-184	29.8		PCB-181	27.4		PCB-204	7.75		PCB-206	10,400	E
PCB-176	425		PCB-171/173	1,040	C	PCB-197	84				
PCB-186	[1.91]	J EMPC	PCB-172	576		PCB-200	343		**Conc.**	15,700	
PCB-178	700		PCB-192	(5.03)	U	PCB-198/199	4,390	C	**EMPC**	15,700	
PCB-175	173		PCB-180/193	6,960	C	PCB-196	1,230				
PCB-187	4,880		PCB-191	114		PCB-203	2,280		**Deca**	**Conc.**	**Qualifiers**
PCB-182	36.8		PCB-170	3,100		PCB-195	846		PCB-209	15,600	E
PCB-183	2,030		PCB-190	483		PCB-194	2,980				
PCB-185	297		PCB-189	111		PCB-205	108				
			Conc.	28,900		**Conc.**	13,900				
			EMPC	28,900		**EMPC**	13,900				

Sample ID: D16-BOR-13-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.84 g	Sample ID:	B1566_15466_PCB_021-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	54 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	225				ES PCB-1	49.6
PCB-81 344'5-TeCB	4.46				ES PCB-3	46.9
PCB-105 233'44'-PeCB	435			B	ES PCB-4	56.9
PCB-114 2344'5-PeCB	23.6				ES PCB-15	86.4
PCB-118 23'44'5-PeCB	1,060			B	ES PCB-19	72.5
PCB-123 23'44'5'-PeCB	20.8				ES PCB-37	84.6
PCB-126 33'44'5-PeCB	10.1				ES PCB-54	51.4
PCB-156/157 233'44'5/233'44'5'-HxCB	180			C	ES PCB-77	91.7
PCB-167 23'44'55'-HxCB	81.8				ES PCB-81	89.2
PCB-169 33'44'55'-HxCB	ND	7.36		U	ES PCB-104	79.1
PCB-189 233'44'55'-HpCB	24.4				ES PCB-105	87.9
					ES PCB-114	93.4
TEQs (WHO 2005 M/H)					ES PCB-118	95
					ES PCB-123	93.4
ND = 0	1.09		1.09		ES PCB-126	91.4
ND = 0.5 x DL	1.2		1.2		ES PCB-153	94.2
ND = DL	1.31		1.31		ES PCB-155	97.2
					ES PCB-156/157	91.3 C
Totals					ES PCB-167	94.5
Mono-CB	2,820				ES PCB-169	73.2
Di-CB	5,220				ES PCB-170	126
Tri-CB	5,860				ES PCB-180	132
Tetra-CB	8,640		8,650		ES PCB-188	86.3
Penta-CB	10,500		10,500		ES PCB-189	119
Hexa-CB	11,400		11,400		ES PCB-202	92.5
Hepta-CB	6,030		6,100		ES PCB-205	90.2
Octa-CB	3,530				ES PCB-206	101
Nona-CB	7,540				ES PCB-208	123
Deca-CB	7,650				ES PCB-209	99.8
					CS PCB-28	80.6
Total PCB (Mono-Deca)	69,100		69,300		CS PCB-111	94.5
					CS PCB-178	88.2

Checkcode: 226-489-YYD/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:00 Analyst: MS

Sample ID: D16-BOR-13-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.84 g	Sample ID:	B1566_15466_PCB_021-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	54 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	225				ES PCB-1	49.6
PCB-81 344'5-TeCB	4.46				ES PCB-3	46.9
PCB-105 233'44'-PeCB	435			B	ES PCB-4	56.9
PCB-114 2344'5-PeCB	23.6				ES PCB-15	86.4
PCB-118 23'44'5-PeCB	1,060			B	ES PCB-19	72.5
PCB-123 23'44'5'-PeCB	20.8				ES PCB-37	84.6
PCB-126 33'44'5-PeCB	10.1				ES PCB-54	51.4
PCB-156/157 233'44'5/233'44'5'-HxCB	180			C	ES PCB-77	91.7
PCB-167 23'44'55'-HxCB	81.8				ES PCB-81	89.2
PCB-169 33'44'55'-HxCB	ND	7.36		U	ES PCB-104	79.1
PCB-189 233'44'55'-HpCB	24.4				ES PCB-105	87.9
					ES PCB-114	93.4
TEQs (WHO 1998 M/H)					ES PCB-118	95
					ES PCB-123	93.4
ND = 0	1.29		1.29		ES PCB-126	91.4
ND = 0.5 x DL	1.33		1.33		ES PCB-153	94.2
ND = DL	1.36		1.36		ES PCB-155	97.2
					ES PCB-156/157	91.3 C
Totals					ES PCB-167	94.5
Mono-CB	2,820				ES PCB-169	73.2
Di-CB	5,220				ES PCB-170	126
Tri-CB	5,860				ES PCB-180	132
Tetra-CB	8,640		8,650		ES PCB-188	86.3
Penta-CB	10,500		10,500		ES PCB-189	119
Hexa-CB	11,400		11,400		ES PCB-202	92.5
Hepta-CB	6,030		6,100		ES PCB-205	90.2
Octa-CB	3,530				ES PCB-206	101
Nona-CB	7,540				ES PCB-208	123
Deca-CB	7,650				ES PCB-209	99.8
					CS PCB-28	80.6
Total PCB (Mono-Deca)	69,100		69,300		CS PCB-111	94.5
					CS PCB-178	88.2

Checkcode: 226-489-YYD/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:00 Analyst: MS

Sample ID: D16-BOR-13-(0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.84 g	Sample ID:	B1566_15466_PCB_021-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	54 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	226-489-YYD/A	Time Analyzed:	07:11:28

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	831	B	PCB-19	61.4		PCB-54	13.8		PCB-72	36.9	
PCB-2	982		PCB-30/18	476	B C	PCB-50/53	173	C	PCB-68	78.6	
PCB-3	1,000		PCB-17	222	B	PCB-45	120		PCB-57	9.66	
			PCB-27	81.3		PCB-51	157		PCB-58	11.3	
Conc.	2,820		PCB-24	92.3		PCB-46	64.5		PCB-67	36.3	
EMPC	2,820		PCB-16	310	B	PCB-52	1,230	B	PCB-63	42.3	
			PCB-32	163	B	PCB-73	[14.1]	EMPC	PCB-61/70/74/76	1,370	B C
Di	**Conc.**	**Qualifiers**	PCB-34	76.8		PCB-43	37.4		PCB-66	867	B
PCB-4	488		PCB-23	28.3		PCB-69/49	744	B C	PCB-55	15.8	
PCB-10	16.5		PCB-26/29	258	C	PCB-48	116	B	PCB-56	528	B
PCB-9	397		PCB-25	195		PCB-44/47/65	1,150	B C	PCB-60	114	
PCB-7	90.9		PCB-31	734	B	PCB-59/62/75	97.7	C	PCB-80	13.3	
PCB-6	540		PCB-28/20	790	B C	PCB-42	293		PCB-79	35	
PCB-5	211		PCB-21/33	551	B C	PCB-41	36.9		PCB-78	(5.16)	U
PCB-8	940	B	PCB-22	311	B	PCB-71/40	644	B C	PCB-81	4.46	
PCB-14	329		PCB-36	66.4		PCB-64	376	B	PCB-77	225	
PCB-11	443	B	PCB-39	157							
PCB-13/12	1,250	C	PCB-38	(2.73)	U						
PCB-15	517		PCB-35	258							
			PCB-37	1,030							
Conc.	5,220		**Conc.**	5,860					**Conc.**	8,640	
EMPC	5,220		**EMPC**	5,860					**EMPC**	8,650	

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Totals	Conc.	EMPC
Mono-Tri	13,900	13,900
Tetra-Hexa	30,500	30,500
Hepta-Deca	24,700	24,800
Mono-Deca	69,100	69,300

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Sample ID: D16-BOR-13-(0-0.5) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	5.13		PCB-108/119/86/97/125/87	958	B C	PCB-155	14.1		PCB-165	5.5	
PCB-96	19.6		PCB-117	34.3		PCB-152	3.53		PCB-146	608	
PCB-103	49.2		PCB-116/85	281	C	PCB-150	21.9		PCB-161	[2.92]	EMPC
PCB-94	20.6		PCB-110	1,770	B	PCB-136	384	B	PCB-153/168	2,060	B C
PCB-95	1,330	B	PCB-115	19.6		PCB-145	(1.05)	U	PCB-141	305	
PCB-100/93	61.6	C	PCB-82	166		PCB-148	20.1		PCB-130	188	
PCB-102	80.8		PCB-111	(11.5)	U	PCB-151/135	979	B C	PCB-137	62.5	
PCB-98	(19.8)	U	PCB-120	25.9		PCB-154	117		PCB-164	188	
PCB-88	403		PCB-107/124	43.1	C	PCB-144	83.3		PCB-163/138/129	2,190	B C
PCB-91	(13.4)	U	PCB-109	123		PCB-147/149	2,270	B C	PCB-160	[36.5]	EMPC
PCB-84	467		PCB-123	20.8		PCB-134	144		PCB-158	140	
PCB-89	(18)	U	PCB-106	(12.4)	U	PCB-143	(1.59)	U	PCB-128/166	357	C
PCB-121	(11.6)	U	PCB-118	1,060	B	PCB-139/140	47.4	C	PCB-159	46.5	
PCB-92	403		PCB-122	[21.4]	EMPC	PCB-131	26.1		PCB-162	23.2	
PCB-113/90/101	1,660	B C	PCB-114	23.6		PCB-142	(1.73)	U	PCB-167	81.8	
PCB-83	104		PCB-105	435	B	PCB-132	739		PCB-156/157	180	C
PCB-99	890	B	PCB-127	(14.2)	U	PCB-133	87.2		PCB-169	(7.36)	U
PCB-112	(12.2)	U	PCB-126	10.1							
			Conc.	10,500					**Conc.**	11,400	
			EMPC	10,500					**EMPC**	11,400	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	23.8		PCB-174	791		PCB-202	427		PCB-208	2,220	
PCB-179	360		PCB-177	497		PCB-201	151		PCB-207	409	
PCB-184	12		PCB-181	10.9		PCB-204	7.9		PCB-206	4,900	
PCB-176	92.4		PCB-171/173	199	C	PCB-197	41				
PCB-186	[1.62]	J EMPC	PCB-172	128		PCB-200	71.7		**Conc.**	7,540	
PCB-178	197		PCB-192	12.5		PCB-198/199	1,310	C	**EMPC**	7,540	
PCB-175	35.4		PCB-180/193	1,350	C	PCB-196	328				
PCB-187	1,220		PCB-191	21.8		PCB-203	477		**Deca**	**Conc.**	**Qualifiers**
PCB-182	20.5		PCB-170	549		PCB-195	171		PCB-209	7,650	
PCB-183	372		PCB-190	112		PCB-194	517				
PCB-185	[74.9]	EMPC	PCB-189	24.4		PCB-205	29.1				
			Conc.	6,030		**Conc.**	3,530				
			EMPC	6,100		**EMPC**	3,530				

Sample ID: D16-BOR-13-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.76 g	Sample ID:	B1566_15466_PCB_022-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	50.3 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	301				ES PCB-1	45
PCB-81 344'5-TeCB	ND	3.52		U	ES PCB-3	39.3
PCB-105 233'44'-PeCB	218			B	ES PCB-4	55.9
PCB-114 2344'5-PeCB	11.6				ES PCB-15	82.8
PCB-118 23'44'5-PeCB	534			B	ES PCB-19	69
PCB-123 23'44'5'-PeCB	EMPC		10.9	EMPC	ES PCB-37	82.8
PCB-126 33'44'5-PeCB	3.38				ES PCB-54	50.6
PCB-156/157 233'44'5/233'44'5'-HxCB	99.2			C	ES PCB-77	88.8
PCB-167 23'44'55'-HxCB	43.5				ES PCB-81	88.7
PCB-169 33'44'55'-HxCB	ND	2.44		U	ES PCB-104	74.6
PCB-189 233'44'55'-HpCB	16				ES PCB-105	78.6
					ES PCB-114	80.3
TEQs (WHO 2005 M/H)					ES PCB-118	85.6
					ES PCB-123	88.1
ND = 0	0.395		0.396		ES PCB-126	83.4
ND = 0.5 x DL	0.433		0.433		ES PCB-153	92.9
ND = DL	0.47		0.47		ES PCB-155	98.7
					ES PCB-156/157	83.7 C
Totals					ES PCB-167	86.5
Mono-CB	666				ES PCB-169	66.2
Di-CB	1,600				ES PCB-170	122
Tri-CB	2,790		2,800		ES PCB-180	129
Tetra-CB	5,180		5,210		ES PCB-188	88.8
Penta-CB	6,120		6,140		ES PCB-189	120
Hexa-CB	6,650		6,660		ES PCB-202	89.5
Hepta-CB	4,120				ES PCB-205	88.7
Octa-CB	2,410		2,410		ES PCB-206	96.9
Nona-CB	6,080				ES PCB-208	122
Deca-CB	7,790				ES PCB-209	99.1
					CS PCB-28	79.5
Total PCB (Mono-Deca)	43,400		43,500		CS PCB-111	89.7
					CS PCB-178	82.8

Checkcode: 513-820-RFN/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:00 Analyst: MS

Sample ID: D16-BOR-13-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.76 g	Sample ID:	B1566_15466_PCB_022-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	50.3 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	301				ES PCB-1	45
PCB-81 344'5-TeCB	ND	3.52		U	ES PCB-3	39.3
PCB-105 233'44'-PeCB	218			B	ES PCB-4	55.9
PCB-114 2344'5-PeCB	11.6				ES PCB-15	82.8
PCB-118 23'44'5-PeCB	534			B	ES PCB-19	69
PCB-123 23'44'5'-PeCB	EMPC		10.9	EMPC	ES PCB-37	82.8
PCB-126 33'44'5-PeCB	3.38				ES PCB-54	50.6
PCB-156/157 233'44'5/233'44'5'-HxCB	99.2			C	ES PCB-77	88.8
PCB-167 23'44'55'-HxCB	43.5				ES PCB-81	88.7
PCB-169 33'44'55'-HxCB	ND	2.44		U	ES PCB-104	74.6
PCB-189 233'44'55'-HpCB	16				ES PCB-105	78.6
					ES PCB-114	80.3
TEQs (WHO 1998 M/H)					ES PCB-118	85.6
					ES PCB-123	88.1
ND = 0	0.5		0.501		ES PCB-126	83.4
ND = 0.5 x DL	0.513		0.514		ES PCB-153	92.9
ND = DL	0.526		0.526		ES PCB-155	98.7
					ES PCB-156/157	83.7 C
Totals					ES PCB-167	86.5
Mono-CB	666				ES PCB-169	66.2
Di-CB	1,600				ES PCB-170	122
Tri-CB	2,790		2,800		ES PCB-180	129
Tetra-CB	5,180		5,210		ES PCB-188	88.8
Penta-CB	6,120		6,140		ES PCB-189	120
Hexa-CB	6,650		6,660		ES PCB-202	89.5
Hepta-CB	4,120				ES PCB-205	88.7
Octa-CB	2,410		2,410		ES PCB-206	96.9
Nona-CB	6,080				ES PCB-208	122
Deca-CB	7,790				ES PCB-209	99.1
					CS PCB-28	79.5
Total PCB (Mono-Deca)	43,400		43,500		CS PCB-111	89.7
					CS PCB-178	82.8

Checkcode: 513-820-RFN/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:00 Analyst: MS

Sample ID: D16-BOR-13-(0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.76 g	Sample ID:	B1566_15466_PCB_022-R1	Date Extracted:	18-Jan-2018
Date Collected:	06-Nov-2017	% Solid	50.3 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	513-820-RFN/A	Time Analyzed:	08:05:31

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	294	B	PCB-19	30.6		PCB-54	9.23		PCB-72	16.1	
PCB-2	178		PCB-30/18	173	B C	PCB-50/53	94.7	C	PCB-68	41.5	
PCB-3	194		PCB-17	82.7	B	PCB-45	58.5		PCB-57	[3.2]	EMPC
			PCB-27	32.7		PCB-51	93.1		PCB-58	[5.15]	EMPC
Conc.	666		PCB-24	18		PCB-46	36.5		PCB-67	14.9	
EMPC	666		PCB-16	383	B	PCB-52	620	B	PCB-63	16.4	
			PCB-32	68.9	B	PCB-73	10.5		PCB-61/70/74/76	621	B C
Di	**Conc.**	**Qualifiers**	PCB-34	15.8		PCB-43	[14.3]	EMPC	PCB-66	390	B
PCB-4	228		PCB-23	[5.07]	EMPC	PCB-69/49	381	B C	PCB-55	(3.64)	U
PCB-10	5.79		PCB-26/29	91.2	C	PCB-48	51.4	B	PCB-56	918	B
PCB-9	70.1		PCB-25	67.1		PCB-44/47/65	596	B C	PCB-60	47	
PCB-7	19.3		PCB-31	237	B	PCB-59/62/75	45.3	C	PCB-80	7.84	
PCB-6	183		PCB-28/20	388	B C	PCB-42	147		PCB-79	13.5	
PCB-5	182		PCB-21/33	417	B C	PCB-41	(1.65)	U	PCB-78	(3.99)	U
PCB-8	261	B	PCB-22	239	B	PCB-71/40	480	B C	PCB-81	(3.52)	U
PCB-14	44.7		PCB-36	14.3		PCB-64	174	B	PCB-77	301	
PCB-11	141	B	PCB-39	28.1							
PCB-13/12	312	C	PCB-38	(1.7)	U						
PCB-15	152		PCB-35	176							
			PCB-37	329							
Conc.	1,600		**Conc.**	2,790					**Conc.**	5,180	
EMPC	1,600		**EMPC**	2,800					**EMPC**	5,210	

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Tel: +1 910 794-1613
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Totals	Conc.	EMPC
Mono-Tri	5,050	5,060
Tetra-Hexa	18,000	18,000
Hepta-Deca	20,400	20,400
Mono-Deca	43,400	43,500

Sample ID: D16-BOR-13-(0.5-1.0) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	2.82		PCB-108/119/86/97/125/87	502	B C	PCB-155	10.2		PCB-165	[2.04]	J EMPC
PCB-96	12.1		PCB-117	140		PCB-152	[1.7]	J EMPC	PCB-146	360	
PCB-103	30.8		PCB-116/85	1,160	C	PCB-150	13.4		PCB-161	(0.615)	U
PCB-94	11.6		PCB-110	(4.86)	U	PCB-136	240	B	PCB-153/168	1,220	B C
PCB-95	768	B	PCB-115	54.4		PCB-145	(0.688)	U	PCB-141	166	
PCB-100/93	33.9	C	PCB-82	(8.14)	U	PCB-148	12.3		PCB-130	105	
PCB-102	46.7		PCB-111	21.5		PCB-151/135	588	B C	PCB-137	25.5	
PCB-98	(8.12)	U	PCB-120	(4.81)	U	PCB-154	77.8		PCB-164	107	
PCB-88	255		PCB-107/124	20.1	C	PCB-144	47.7		PCB-163/138/129	1,230	B C
PCB-91	(5.49)	U	PCB-109	61.3		PCB-147/149	1,390	B C	PCB-160	(0.633)	U
PCB-84	269		PCB-123	[10.9]	EMPC	PCB-134	81.7		PCB-158	75.1	
PCB-89	13.6		PCB-106	(5.06)	U	PCB-143	(0.88)	U	PCB-128/166	211	C
PCB-121	(4.73)	U	PCB-118	534	B	PCB-139/140	27.1	C	PCB-159	27.1	
PCB-92	221		PCB-122	[10.9]	EMPC	PCB-131	13.5		PCB-162	[10]	EMPC
PCB-113/90/101	916	B C	PCB-114	11.6		PCB-142	(0.957)	U	PCB-167	43.5	
PCB-83	819		PCB-105	218	B	PCB-132	424		PCB-156/157	99.2	C
PCB-99	(5.89)	U	PCB-127	(5.98)	U	PCB-133	50.5		PCB-169	(2.44)	U
PCB-112	(5)	U	PCB-126	3.38							
			Conc.	6,120					**Conc.**	6,650	
			EMPC	6,140					**EMPC**	6,660	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	16.2		PCB-174	535		PCB-202	311		PCB-208	1,860	
PCB-179	223		PCB-177	340		PCB-201	106		PCB-207	300	
PCB-184	6.38		PCB-181	5.26		PCB-204	[3.8]	EMPC	PCB-206	3,920	
PCB-176	54.4		PCB-171/173	134	C	PCB-197	30.7				
PCB-186	(0.473)	U	PCB-172	82.6		PCB-200	42.9		**Conc.**	6,080	
PCB-178	118		PCB-192	(1.8)	U	PCB-198/199	885	C	**EMPC**	6,080	
PCB-175	28.3		PCB-180/193	908	C	PCB-196	225				
PCB-187	876		PCB-191	14.5		PCB-203	313		**Deca**	**Conc.**	**Qualifiers**
PCB-182	14.8		PCB-170	364		PCB-195	123		PCB-209	7,790	
PCB-183	281		PCB-190	70.6		PCB-194	350				
PCB-185	32.4		PCB-189	16		PCB-205	18.9				
			Conc.	4,120		**Conc.**	2,410				
			EMPC	4,120		**EMPC**	2,410				

Sample ID: E16-BOR-07 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.88 g	Sample ID:	B1566_15466_PCB_023-R1	Date Extracted:	18-Jan-2018
Date Collected:	03-Nov-2017	% Solid	52 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	193				ES PCB-1	45.1
PCB-81 344'5-TeCB	6.56				ES PCB-3	37.3
PCB-105 233'44'-PeCB	249			B	ES PCB-4	58.4
PCB-114 2344'5-PeCB	20.6				ES PCB-15	85.1
PCB-118 23'44'5-PeCB	577			B	ES PCB-19	78.9
PCB-123 23'44'5'-PeCB	15.6				ES PCB-37	81
PCB-126 33'44'5-PeCB	7.33				ES PCB-54	49.1
PCB-156/157 233'44'5/233'44'5'-HxCB	132			C	ES PCB-77	92.8
PCB-167 23'44'55'-HxCB	64.7				ES PCB-81	88.9
PCB-169 33'44'55'-HxCB	ND	4.51		U	ES PCB-104	79.4
PCB-189 233'44'55'-HpCB	19.8				ES PCB-105	86.3
					ES PCB-114	90.9
TEQs (WHO 2005 M/H)					ES PCB-118	94.7
					ES PCB-123	92.1
ND = 0	0.787		0.787		ES PCB-126	94.3
ND = 0.5 x DL	0.855		0.855		ES PCB-153	88.5
ND = DL	0.922		0.922		ES PCB-155	83.6
					ES PCB-156/157	83.3 C
Totals					ES PCB-167	85.7
Mono-CB	6,590				ES PCB-169	68
Di-CB	10,100				ES PCB-170	117
Tri-CB	7,380				ES PCB-180	128
Tetra-CB	4,880		4,880		ES PCB-188	79
Penta-CB	5,420				ES PCB-189	118
Hexa-CB	5,750		5,750		ES PCB-202	83.9
Hepta-CB	3,140		3,190		ES PCB-205	88.2
Octa-CB	2,280		2,340		ES PCB-206	103
Nona-CB	4,080				ES PCB-208	121
Deca-CB	4,040				ES PCB-209	105
					CS PCB-28	82.3
Total PCB (Mono-Deca)	53,600		53,800		CS PCB-111	101
					CS PCB-178	87.7

Checkcode: 551-463-QKN/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:01 Analyst: MS

Sample ID: E16-BOR-07 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.88 g	Sample ID:	B1566_15466_PCB_023-R1	Date Extracted:	18-Jan-2018
Date Collected:	03-Nov-2017	% Solid	52 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	193				ES PCB-1	45.1
PCB-81 344'5-TeCB	6.56				ES PCB-3	37.3
PCB-105 233'44'-PeCB	249			B	ES PCB-4	58.4
PCB-114 2344'5-PeCB	20.6				ES PCB-15	85.1
PCB-118 23'44'5-PeCB	577			B	ES PCB-19	78.9
PCB-123 23'44'5'-PeCB	15.6				ES PCB-37	81
PCB-126 33'44'5-PeCB	7.33				ES PCB-54	49.1
PCB-156/157 233'44'5/233'44'5'-HxCB	132			C	ES PCB-77	92.8
PCB-167 23'44'55'-HxCB	64.7				ES PCB-81	88.9
PCB-169 33'44'55'-HxCB	ND	4.51		U	ES PCB-104	79.4
PCB-189 233'44'55'-HpCB	19.8				ES PCB-105	86.3
					ES PCB-114	90.9
TEQs (WHO 1998 M/H)					ES PCB-118	94.7
					ES PCB-123	92.1
ND = 0	0.916		0.916		ES PCB-126	94.3
ND = 0.5 x DL	0.939		0.939		ES PCB-153	88.5
ND = DL	0.961		0.961		ES PCB-155	83.6
					ES PCB-156/157	83.3 C
Totals					ES PCB-167	85.7
Mono-CB	6,590				ES PCB-169	68
Di-CB	10,100				ES PCB-170	117
Tri-CB	7,380				ES PCB-180	128
Tetra-CB	4,880		4,880		ES PCB-188	79
Penta-CB	5,420				ES PCB-189	118
Hexa-CB	5,750		5,750		ES PCB-202	83.9
Hepta-CB	3,140		3,190		ES PCB-205	88.2
Octa-CB	2,280		2,340		ES PCB-206	103
Nona-CB	4,080				ES PCB-208	121
Deca-CB	4,040				ES PCB-209	105
					CS PCB-28	82.3
Total PCB (Mono-Deca)	53,600		53,800		CS PCB-111	101
					CS PCB-178	87.7

Checkcode: 551-463-QKN/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:01 Analyst: MS

Sample ID: E16-BOR-07 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.88 g	Sample ID:	B1566_15466_PCB_023-R1	Date Extracted:	18-Jan-2018
Date Collected:	03-Nov-2017	% Solid	52 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	551-463-QKN/A	Time Analyzed:	08:59:33

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	4,110	B	PCB-19	137		PCB-54	5.23		PCB-72	32.5	
PCB-2	1,330		PCB-30/18	553	B C	PCB-50/53	97.1	C	PCB-68	10.9	
PCB-3	1,160		PCB-17	173	B	PCB-45	80.3		PCB-57	12.8	
			PCB-27	72.1		PCB-51	37.1		PCB-58	10.8	
Conc.	6,590		PCB-24	168		PCB-46	39.7		PCB-67	25.6	
EMPC	6,590		PCB-16	330	B	PCB-52	663	B	PCB-63	42.4	
			PCB-32	127	B	PCB-73	[3.68]	EMPC	PCB-61/70/74/76	870	B C
Di	**Conc.**	**Qualifiers**	PCB-34	163		PCB-43	34.3		PCB-66	458	B
PCB-4	3,060		PCB-23	63.4		PCB-69/49	345	B C	PCB-55	10.4	
PCB-10	103		PCB-26/29	284	C	PCB-48	81.4	B	PCB-56	307	B
PCB-9	650		PCB-25	154		PCB-44/47/65	609	B C	PCB-60	82.8	
PCB-7	122		PCB-31	797	B	PCB-59/62/75	66.2	C	PCB-80	4.25	
PCB-6	840		PCB-28/20	603	B C	PCB-42	148		PCB-79	46.5	
PCB-5	271		PCB-21/33	752	B C	PCB-41	28.9		PCB-78	(4.41)	U
PCB-8	1,650	B	PCB-22	392	B	PCB-71/40	285	B C	PCB-81	6.56	
PCB-14	622		PCB-36	158		PCB-64	241	B	PCB-77	193	
PCB-11	463	B	PCB-39	345							
PCB-13/12	1,770	C	PCB-38	8.24							
PCB-15	538		PCB-35	435							
			PCB-37	1,660							
Conc.	10,100		**Conc.**	7,380					**Conc.**	4,880	
EMPC	10,100		**EMPC**	7,380					**EMPC**	4,880	

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Totals	Conc.	EMPC
Mono-Tri	24,000	24,000
Tetra-Hexa	16,000	16,100
Hepta-Deca	13,500	13,700
Mono-Deca	53,600	53,800

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Sample ID: E16-BOR-07 (0-0.5) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.651)	U	PCB-108/119/86/97/125/87	539	B C	PCB-155	8.07		PCB-165	6.32	
PCB-96	9.74		PCB-117	(9.81)	U	PCB-152	2.11		PCB-146	306	
PCB-103	19.3		PCB-116/85	252	C	PCB-150	10.8		PCB-161	5.35	
PCB-94	(13.5)	U	PCB-110	954	B	PCB-136	197	B	PCB-153/168	983	B C
PCB-95	643	B	PCB-115	(9.65)	U	PCB-145	[1.2]	J EMPC	PCB-141	180	
PCB-100/93	25.5	C	PCB-82	95.9		PCB-148	12.8		PCB-130	102	
PCB-102	35.5		PCB-111	(8.87)	U	PCB-151/135	468	B C	PCB-137	40.3	
PCB-98	(15.3)	U	PCB-120	17		PCB-154	57.7		PCB-164	126	
PCB-88	(14.7)	U	PCB-107/124	32.8	C	PCB-144	43.7		PCB-163/138/129	1,050	B C
PCB-91	122		PCB-109	69.4		PCB-147/149	1,020	B C	PCB-160	73	
PCB-84	237		PCB-123	15.6		PCB-134	62.1		PCB-158	75.3	
PCB-89	(13.9)	U	PCB-106	15.9		PCB-143	[2.96]	EMPC	PCB-128/166	210	C
PCB-121	(8.92)	U	PCB-118	577	B	PCB-139/140	22	C	PCB-159	34	
PCB-92	175		PCB-122	15.3		PCB-131	14.6		PCB-162	28.4	
PCB-113/90/101	806	B C	PCB-114	20.6		PCB-142	21.7		PCB-167	64.7	
PCB-83	42.3		PCB-105	249	B	PCB-132	330		PCB-156/157	132	C
PCB-99	433	B	PCB-127	(11.5)	U	PCB-133	61.1		PCB-169	(4.51)	U
PCB-112	10.3		PCB-126	7.33							
			Conc.	5,420					**Conc.**	5,750	
			EMPC	5,420					**EMPC**	5,750	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	16		PCB-174	383		PCB-202	230		PCB-208	1,160	
PCB-179	164		PCB-177	213		PCB-201	84.9		PCB-207	243	
PCB-184	9.45		PCB-181	16.1		PCB-204	15.4		PCB-206	2,680	
PCB-176	41.2		PCB-171/173	90.3	C	PCB-197	[22.7]	EMPC			
PCB-186	[2.83]	EMPC	PCB-172	85		PCB-200	[37.6]	EMPC	**Conc.**	4,080	
PCB-178	102		PCB-192	32.9		PCB-198/199	922	C	**EMPC**	4,080	
PCB-175	25.1		PCB-180/193	736	C	PCB-196	198				
PCB-187	623		PCB-191	16.9		PCB-203	312		**Deca**	**Conc.**	**Qualifiers**
PCB-182	16.3		PCB-170	281		PCB-195	87.9		PCB-209	4,040	
PCB-183	196		PCB-190	75.5		PCB-194	400				
PCB-185	[46.3]	EMPC	PCB-189	19.8		PCB-205	28.2				
			Conc.	3,140		**Conc.**	2,280				
			EMPC	3,190		**EMPC**	2,340				

Sample ID: E16-BOR-07 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	3.48 g	Sample ID:	B1566_15466_PCB_024-R1-D5	Date Extracted:	18-Jan-2018
Date Collected:	03-Nov-2017	% Solid	81.5 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	8,150			D	ES PCB-1	67.9
PCB-81 344'5-TeCB	434			D	ES PCB-3	74.7
PCB-105 233'44'-PeCB	3,540			D B	ES PCB-4	70.5
PCB-114 2344'5-PeCB	533			D	ES PCB-15	88.3
PCB-118 23'44'5-PeCB	7,740			D B	ES PCB-19	78.7
PCB-123 23'44'5'-PeCB	218			D	ES PCB-37	98.7
PCB-126 33'44'5-PeCB	256			D	ES PCB-54	62.8
PCB-156/157 233'44'5/233'44'5'-HxCB	2,680			D C	ES PCB-77	92.4
PCB-167 23'44'55'-HxCB	2,060			D	ES PCB-81	89.1
PCB-169 33'44'55'-HxCB	166			D	ES PCB-104	93.3
PCB-189 233'44'55'-HpCB	426			D	ES PCB-105	97.2
					ES PCB-114	98.3
TEQs (WHO 2005 M/H)					ES PCB-118	100
					ES PCB-123	104
ND = 0	32.1		32.1		ES PCB-126	93.9
ND = 0.5 x DL	32.1		32.1		ES PCB-153	105
ND = DL	32.1		32.1		ES PCB-155	91.2
					ES PCB-156/157	84.5 C
Totals					ES PCB-167	86.7
Mono-CB	432,000				ES PCB-169	71.6
Di-CB	1,500,000				ES PCB-170	115
Tri-CB	665,000				ES PCB-180	120
Tetra-CB	82,000				ES PCB-188	81.4
Penta-CB	68,400		68,700		ES PCB-189	117
Hexa-CB	69,100				ES PCB-202	84.2
Hepta-CB	33,400		33,500		ES PCB-205	108
Octa-CB	25,200				ES PCB-206	108
Nona-CB	21,100				ES PCB-208	115
Deca-CB	20,900			E D	ES PCB-209	107
					CS PCB-28	87.7
Total PCB (Mono-Deca)	2,910,000		2,910,000		CS PCB-111	103
					CS PCB-178	84.9

Checkcode: 777-756-VYT/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:03 Analyst: MS

Sample ID: E16-BOR-07 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	3.48 g	Sample ID:	B1566_15466_PCB_024-R1-D5	Date Extracted:	18-Jan-2018
Date Collected:	03-Nov-2017	% Solid	81.5 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	8,150			D	ES PCB-1	67.9
PCB-81 344'5-TeCB	434			D	ES PCB-3	74.7
PCB-105 233'44'-PeCB	3,540			D B	ES PCB-4	70.5
PCB-114 2344'5-PeCB	533			D	ES PCB-15	88.3
PCB-118 23'44'5-PeCB	7,740			D B	ES PCB-19	78.7
PCB-123 23'44'5'-PeCB	218			D	ES PCB-37	98.7
PCB-126 33'44'5-PeCB	256			D	ES PCB-54	62.8
PCB-156/157 233'44'5/233'44'5'-HxCB	2,680			D C	ES PCB-77	92.4
PCB-167 23'44'55'-HxCB	2,060			D	ES PCB-81	89.1
PCB-169 33'44'55'-HxCB	166			D	ES PCB-104	93.3
PCB-189 233'44'55'-HpCB	426			D	ES PCB-105	97.2
					ES PCB-114	98.3
TEQs (WHO 1998 M/H)					ES PCB-118	100
					ES PCB-123	104
ND = 0	31		31		ES PCB-126	93.9
ND = 0.5 x DL	31		31		ES PCB-153	105
ND = DL	31		31		ES PCB-155	91.2
					ES PCB-156/157	84.5 C
Totals					ES PCB-167	86.7
Mono-CB	432,000				ES PCB-169	71.6
Di-CB	1,500,000				ES PCB-170	115
Tri-CB	665,000				ES PCB-180	120
Tetra-CB	82,000				ES PCB-188	81.4
Penta-CB	68,400		68,700		ES PCB-189	117
Hexa-CB	69,100				ES PCB-202	84.2
Hepta-CB	33,400		33,500		ES PCB-205	108
Octa-CB	25,200				ES PCB-206	108
Nona-CB	21,100				ES PCB-208	115
Deca-CB	20,900			E D	ES PCB-209	107
					CS PCB-28	87.7
Total PCB (Mono-Deca)	2,910,000		2,910,000		CS PCB-111	103
					CS PCB-178	84.9

Checkcode: 777-756-VYT/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:03 Analyst: MS

Sample ID: E16-BOR-07 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	3.48 g	Sample ID:	B1566_15466_PCB_024-R1-D5	Date Extracted:	18-Jan-2018
Date Collected:	03-Nov-2017	% Solid	81.5 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	777-756-VYT/A	Time Analyzed:	16:46:17

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	234,000	E D B	PCB-19	9,400	D	PCB-54	11.8	D	PCB-72	1,370	D
PCB-2	77,100	E D	PCB-30/18	50,700	E D B C	PCB-50/53	511	D C	PCB-68	181	D
PCB-3	121,000	E D	PCB-17	9,920	D B	PCB-45	727	D	PCB-57	468	D
			PCB-27	1,860	D	PCB-51	91.7	D	PCB-58	398	D
Conc.	432,000		PCB-24	18,900	E D	PCB-46	184	D	PCB-67	676	D
EMPC	432,000		PCB-16	27,300	E D B	PCB-52	11,500	E D B	PCB-63	1,930	D
			PCB-32	3,590	D B	PCB-73	64.8	D	PCB-61/70/74/76	20,500	D B C
Di	**Conc.**	**Qualifiers**	PCB-34	20,500	E D	PCB-43	529	D	PCB-66	4,650	D B
PCB-4	398,000	E D	PCB-23	10,700	D	PCB-69/49	2,520	D B C	PCB-55	335	D
PCB-10	13,400	E D	PCB-26/29	27,000	E D C	PCB-48	1,130	D B	PCB-56	5,550	D B
PCB-9	87,600	E D	PCB-25	5,440	D	PCB-44/47/65	6,110	D B C	PCB-60	2,880	D
PCB-7	21,100	E D	PCB-31	67,700	E D B	PCB-59/62/75	1,620	D C	PCB-80	141	D
PCB-6	120,000	E D	PCB-28/20	32,700	E D B C	PCB-42	921	D	PCB-79	1,620	D
PCB-5	33,900	E D	PCB-21/33	90,500	E D B C	PCB-41	508	D	PCB-78	219	D
PCB-8	258,000	E D B	PCB-22	34,900	E D B	PCB-71/40	1,950	D B C	PCB-81	434	D
PCB-14	95,400	E D	PCB-36	15,100	E D	PCB-64	4,190	D B	PCB-77	8,150	D
PCB-11	53,800	E D B	PCB-39	30,400	E D						
PCB-13/12	341,000	E D C	PCB-38	2,210	D						
PCB-15	73,400	E D	PCB-35	44,600	E D						
			PCB-37	162,000	E D						
Conc.	1,500,000		**Conc.**	665,000					**Conc.**	82,000	
EMPC	1,500,000		**EMPC**	665,000					**EMPC**	82,000	

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Totals	Conc.	EMPC
Mono-Tri	2,590,000	2,590,000
Tetra-Hexa	220,000	220,000
Hepta-Deca	101,000	101,000
Mono-Deca	2,910,000	2,910,000

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Sample ID: E16-BOR-07 (0.5-1.0) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	8.91	D	PCB-108/119/86/97/125/87	7,690	D B C	PCB-155	17.7	D	PCB-165	38.9	D
PCB-96	83.4	D	PCB-117	(96.8)	U D	PCB-152	12.9	D	PCB-146	4,930	D
PCB-103	(102)	U D	PCB-116/85	6,100	D C	PCB-150	39.9	D	PCB-161	52.5	D
PCB-94	(117)	U D	PCB-110	10,600	D B	PCB-136	3,030	D B	PCB-153/168	8,010	D B C
PCB-95	8,280	D B	PCB-115	(81)	U D	PCB-145	21.7	D	PCB-141	2,030	D
PCB-100/93	(111)	U D C	PCB-82	1,050	D	PCB-148	47	D	PCB-130	2,250	D
PCB-102	187	D	PCB-111	(81.3)	U D	PCB-151/135	6,190	D B C	PCB-137	387	D
PCB-98	(120)	U D	PCB-120	184	D	PCB-154	90	D	PCB-164	2,730	D
PCB-88	(116)	U D	PCB-107/124	593	D C	PCB-144	413	D	PCB-163/138/129	9,890	D B C
PCB-91	1,200	D	PCB-109	813	D	PCB-147/149	10,500	D B C	PCB-160	1,050	D
PCB-84	2,770	D	PCB-123	218	D	PCB-134	487	D	PCB-158	761	D
PCB-89	(128)	U D	PCB-106	528	D	PCB-143	98.1	D	PCB-128/166	2,500	D C
PCB-121	(79.6)	U D	PCB-118	7,740	D B	PCB-139/140	150	D C	PCB-159	456	D
PCB-92	2,280	D	PCB-122	[304]	D EMPC	PCB-131	125	D	PCB-162	1,400	D
PCB-113/90/101	9,790	D B C	PCB-114	533	D	PCB-142	430	D	PCB-167	2,060	D
PCB-83	611	D	PCB-105	3,540	D B	PCB-132	4,520	D	PCB-156/157	2,680	D C
PCB-99	3,160	D B	PCB-127	(117)	U D	PCB-133	1,550	D	PCB-169	166	D
PCB-112	120	D	PCB-126	256	D						
			Conc.	68,400					**Conc.**	69,100	
			EMPC	68,700					**EMPC**	69,100	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[22.2]	D EMPC	PCB-174	4,370	D	PCB-202	1,660	D	PCB-208	4,020	D
PCB-179	1,540	D	PCB-177	1,610	D	PCB-201	537	D	PCB-207	1,320	D
PCB-184	53.4	D	PCB-181	179	D	PCB-204	143	D	PCB-206	15,700	E D
PCB-176	418	D	PCB-171/173	734	D C	PCB-197	155	D			
PCB-186	[25.3]	D EMPC	PCB-172	1,370	D	PCB-200	443	D	**Conc.**	21,100	
PCB-178	1,250	D	PCB-192	391	D	PCB-198/199	11,400	D C	**EMPC**	21,100	
PCB-175	338	D	PCB-180/193	8,770	D C	PCB-196	1,550	D			
PCB-187	6,170	D	PCB-191	274	D	PCB-203	3,370	D	**Deca**	**Conc.**	**Qualifiers**
PCB-182	106	D	PCB-170	2,460	D	PCB-195	584	D	PCB-209	20,900	E D
PCB-183	1,820	D	PCB-190	695	D	PCB-194	5,020	D			
PCB-185	445	D	PCB-189	426	D	PCB-205	397	D			
			Conc.	33,400		**Conc.**	25,200				
			EMPC	33,500		**EMPC**	25,200				

Sample ID: E16-BOR-08 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.53 g	Sample ID:	B1566_15466_PCB_025-R1	Date Extracted:	18-Jan-2018
Date Collected:	31-Oct-2017	% Solid	50.2 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	94.1				ES PCB-1	58.7
PCB-81 344'5-TeCB	4.45				ES PCB-3	55.1
PCB-105 233'44'-PeCB	248			B	ES PCB-4	61.8
PCB-114 2344'5-PeCB	16.9				ES PCB-15	90.2
PCB-118 23'44'5-PeCB	684			B	ES PCB-19	84
PCB-123 23'44'5'-PeCB	12.2				ES PCB-37	82.5
PCB-126 33'44'5-PeCB	4.97				ES PCB-54	54.9
PCB-156/157 233'44'5/233'44'5'-HxCB	131			C	ES PCB-77	96.4
PCB-167 23'44'55'-HxCB	53.4				ES PCB-81	92.3
PCB-169 33'44'55'-HxCB	ND	2.83		U	ES PCB-104	83
PCB-189 233'44'55'-HpCB	17				ES PCB-105	98.1
					ES PCB-114	99.4
TEQs (WHO 2005 M/H)					ES PCB-118	103
					ES PCB-123	104
ND = 0	0.543		0.543		ES PCB-126	103
ND = 0.5 x DL	0.585		0.585		ES PCB-153	91.5
ND = DL	0.628		0.628		ES PCB-155	87.3
					ES PCB-156/157	88.5 C
Totals					ES PCB-167	93.5
Mono-CB	1,370				ES PCB-169	77.3
Di-CB	2,130				ES PCB-170	130
Tri-CB	2,150		2,150		ES PCB-180	131
Tetra-CB	4,290		4,290		ES PCB-188	85.7
Penta-CB	5,940		5,960		ES PCB-189	124
Hexa-CB	6,750				ES PCB-202	89.9
Hepta-CB	3,770		3,770		ES PCB-205	94.5
Octa-CB	2,400				ES PCB-206	108
Nona-CB	4,650				ES PCB-208	124
Deca-CB	4,180				ES PCB-209	113
					CS PCB-28	82
Total PCB (Mono-Deca)	37,600		37,700		CS PCB-111	104
					CS PCB-178	83.5

Checkcode: 074-710-XTR/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:01 Analyst: MS

Sample ID: E16-BOR-08 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.53 g	Sample ID:	B1566_15466_PCB_025-R1	Date Extracted:	18-Jan-2018
Date Collected:	31-Oct-2017	% Solid	50.2 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	94.1				ES PCB-1	58.7
PCB-81 344'5-TeCB	4.45				ES PCB-3	55.1
PCB-105 233'44'-PeCB	248			B	ES PCB-4	61.8
PCB-114 2344'5-PeCB	16.9				ES PCB-15	90.2
PCB-118 23'44'5-PeCB	684			B	ES PCB-19	84
PCB-123 23'44'5'-PeCB	12.2				ES PCB-37	82.5
PCB-126 33'44'5-PeCB	4.97				ES PCB-54	54.9
PCB-156/157 233'44'5/233'44'5'-HxCB	131			C	ES PCB-77	96.4
PCB-167 23'44'55'-HxCB	53.4				ES PCB-81	92.3
PCB-169 33'44'55'-HxCB	ND	2.83		U	ES PCB-104	83
PCB-189 233'44'55'-HpCB	17				ES PCB-105	98.1
					ES PCB-114	99.4
TEQs (WHO 1998 M/H)					ES PCB-118	103
					ES PCB-123	104
ND = 0	0.678		0.678		ES PCB-126	103
ND = 0.5 x DL	0.692		0.692		ES PCB-153	91.5
ND = DL	0.706		0.706		ES PCB-155	87.3
					ES PCB-156/157	88.5 C
Totals					ES PCB-167	93.5
Mono-CB	1,370				ES PCB-169	77.3
Di-CB	2,130				ES PCB-170	130
Tri-CB	2,150		2,150		ES PCB-180	131
Tetra-CB	4,290		4,290		ES PCB-188	85.7
Penta-CB	5,940		5,960		ES PCB-189	124
Hexa-CB	6,750				ES PCB-202	89.9
Hepta-CB	3,770		3,770		ES PCB-205	94.5
Octa-CB	2,400				ES PCB-206	108
Nona-CB	4,650				ES PCB-208	124
Deca-CB	4,180				ES PCB-209	113
					CS PCB-28	82
Total PCB (Mono-Deca)	37,600		37,700		CS PCB-111	104
					CS PCB-178	83.5

Checkcode: 074-710-XTR/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:01 Analyst: MS

Sample ID: E16-BOR-08 (0-0.5) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.53 g	Sample ID:	B1566_15466_PCB_025-R1	Date Extracted:	18-Jan-2018
Date Collected:	31-Oct-2017	% Solid	50.2 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	074-710-XTR/A	Time Analyzed:	10:47:28

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	625	B	PCB-19	66.8		PCB-54	6.71		PCB-72	19.7	
PCB-2	370		PCB-30/18	219	B C	PCB-50/53	92.7	C	PCB-68	9.32	
PCB-3	378		PCB-17	91.6	B	PCB-45	63.9		PCB-57	4.56	
			PCB-27	33.2		PCB-51	52.1		PCB-58	6.18	
Conc.	1,370		PCB-24	22.2		PCB-46	33.9		PCB-67	19	
EMPC	1,370		PCB-16	112	B	PCB-52	653	B	PCB-63	25.9	
			PCB-32	82.4	B	PCB-73	[2.84]	EMPC	PCB-61/70/74/76	701	B C
Di	**Conc.**	**Qualifiers**	PCB-34	18		PCB-43	17.6		PCB-66	447	B
PCB-4	624		PCB-23	7.32		PCB-69/49	384	B C	PCB-55	8.4	
PCB-10	22.8		PCB-26/29	91.6	C	PCB-48	60.1	B	PCB-56	223	B
PCB-9	120		PCB-25	65.2		PCB-44/47/65	555	B C	PCB-60	75.8	
PCB-7	24.7		PCB-31	265	B	PCB-59/62/75	49.1	C	PCB-80	(3.01)	U
PCB-6	180		PCB-28/20	332	B C	PCB-42	145		PCB-79	32.9	
PCB-5	64.9		PCB-21/33	151	B C	PCB-41	17.1		PCB-78	(3.82)	U
PCB-8	374	B	PCB-22	97.5	B	PCB-71/40	281	B C	PCB-81	4.45	
PCB-14	62.1		PCB-36	22.1		PCB-64	205	B	PCB-77	94.1	
PCB-11	225	B	PCB-39	48.8							
PCB-13/12	268	C	PCB-38	[2.44]	EMPC						
PCB-15	165		PCB-35	77.1							
			PCB-37	344							
Conc.	2,130		**Conc.**	2,150					**Conc.**	4,290	
EMPC	2,130		**EMPC**	2,150					**EMPC**	4,290	

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Totals	Conc.	EMPC
Mono-Tri	5,650	5,650
Tetra-Hexa	17,000	17,000
Hepta-Deca	15,000	15,000
Mono-Deca	37,600	37,700

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Sample ID: E16-BOR-08 (0-0.5) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	[2.08]	J EMPC	PCB-108/119/86/97/125/87	549	B C	PCB-155	8.65		PCB-165	(0.671)	U
PCB-96	[9.2]	EMPC	PCB-117	(5.45)	U	PCB-152	(0.596)	U	PCB-146	320	
PCB-103	23.8		PCB-116/85	177	C	PCB-150	14.1		PCB-161	(0.618)	U
PCB-94	7.71		PCB-110	1,070	B	PCB-136	222	B	PCB-153/168	1,290	B C
PCB-95	733	B	PCB-115	(5.36)	U	PCB-145	(0.621)	U	PCB-141	211	
PCB-100/93	28.9	C	PCB-82	91.4		PCB-148	12.5		PCB-130	99.3	
PCB-102	36.3		PCB-111	(4.93)	U	PCB-151/135	525	B C	PCB-137	31.8	
PCB-98	(8.5)	U	PCB-120	12		PCB-154	78.4		PCB-164	119	
PCB-88	(8.16)	U	PCB-107/124	26.5	C	PCB-144	48.2		PCB-163/138/129	1,370	B C
PCB-91	153		PCB-109	71.8		PCB-147/149	1,290	B C	PCB-160	18.5	
PCB-84	243		PCB-123	12.2		PCB-134	75.8		PCB-158	88	
PCB-89	8.83		PCB-106	[4.57]	EMPC	PCB-143	(0.885)	U	PCB-128/166	212	C
PCB-121	(4.95)	U	PCB-118	684	B	PCB-139/140	24.9	C	PCB-159	24.1	
PCB-92	202		PCB-122	12		PCB-131	14		PCB-162	12.6	
PCB-113/90/101	925	B C	PCB-114	16.9		PCB-142	7.47		PCB-167	53.4	
PCB-83	55.4		PCB-105	248	B	PCB-132	411		PCB-156/157	131	C
PCB-99	547	B	PCB-127	(5.93)	U	PCB-133	46.3		PCB-169	(2.83)	U
PCB-112	(5.24)	U	PCB-126	4.97							
			Conc.	5,940					**Conc.**	6,750	
			EMPC	5,960					**EMPC**	6,750	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	19.1		PCB-174	457		PCB-202	272		PCB-208	1,390	
PCB-179	193		PCB-177	291		PCB-201	109		PCB-207	278	
PCB-184	7.35		PCB-181	[4.97]	EMPC	PCB-204	4.55		PCB-206	2,980	
PCB-176	47.4		PCB-171/173	122	C	PCB-197	32.8				
PCB-186	(0.57)	U	PCB-172	84.5		PCB-200	38.4		**Conc.**	4,650	
PCB-178	106		PCB-192	(1.75)	U	PCB-198/199	905	C	**EMPC**	4,650	
PCB-175	23.8		PCB-180/193	897	C	PCB-196	233				
PCB-187	761		PCB-191	15.5		PCB-203	317		**Deca**	**Conc.**	**Qualifiers**
PCB-182	11.7		PCB-170	348		PCB-195	99		PCB-209	4,180	
PCB-183	257		PCB-190	66.1		PCB-194	366				
PCB-185	42.6		PCB-189	17		PCB-205	19.3				
			Conc.	3,770		**Conc.**	2,400				
			EMPC	3,770		**EMPC**	2,400				

Sample ID: E16-BOR-08 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.45 g	Sample ID:	B1566_15466_PCB_026-R1	Date Extracted:	18-Jan-2018
Date Collected:	31-Oct-2017	% Solid	47.7 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	337				ES PCB-1	60.4
PCB-81 344'5-TeCB	ND	5.32		U	ES PCB-3	64.2
PCB-105 233'44'-PeCB	486			B	ES PCB-4	62
PCB-114 2344'5-PeCB	30.4				ES PCB-15	92.7
PCB-118 23'44'5-PeCB	1,220			B	ES PCB-19	79.8
PCB-123 23'44'5'-PeCB	25.8				ES PCB-37	90.1
PCB-126 33'44'5-PeCB	EMPC		5.29	EMPC	ES PCB-54	57.3
PCB-156/157 233'44'5/233'44'5'-HxCB	200			C	ES PCB-77	107
PCB-167 23'44'55'-HxCB	89				ES PCB-81	98.6
PCB-169 33'44'55'-HxCB	11.7				ES PCB-104	85.6
PCB-189 233'44'55'-HpCB	24.3				ES PCB-105	98.9
					ES PCB-114	96.9
TEQs (WHO 2005 M/H)					ES PCB-118	103
					ES PCB-123	102
ND = 0	0.446		0.975		ES PCB-126	102
ND = 0.5 x DL	0.571		0.976		ES PCB-153	98
ND = DL	0.697		0.977		ES PCB-155	95.1
					ES PCB-156/157	93.4 C
Totals					ES PCB-167	95.6
Mono-CB	3,060				ES PCB-169	79.6
Di-CB	5,020				ES PCB-170	121
Tri-CB	6,950				ES PCB-180	131
Tetra-CB	10,900		10,900		ES PCB-188	90.3
Penta-CB	10,900		10,900		ES PCB-189	118
Hexa-CB	11,000		11,000		ES PCB-202	94
Hepta-CB	5,750		5,760		ES PCB-205	90.3
Octa-CB	3,120		3,130		ES PCB-206	102
Nona-CB	5,310				ES PCB-208	122
Deca-CB	4,440				ES PCB-209	105
					CS PCB-28	82.6
Total PCB (Mono-Deca)	66,400		66,500		CS PCB-111	101
					CS PCB-178	89.1

Checkcode: 685-253-QDH/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:02 Analyst: MS

Sample ID: E16-BOR-08 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.45 g	Sample ID:	B1566_15466_PCB_026-R1	Date Extracted:	18-Jan-2018
Date Collected:	31-Oct-2017	% Solid	47.7 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	337				ES PCB-1	60.4
PCB-81 344'5-TeCB	ND	5.32		U	ES PCB-3	64.2
PCB-105 233'44'-PeCB	486			B	ES PCB-4	62
PCB-114 2344'5-PeCB	30.4				ES PCB-15	92.7
PCB-118 23'44'5-PeCB	1,220			B	ES PCB-19	79.8
PCB-123 23'44'5'-PeCB	25.8				ES PCB-37	90.1
PCB-126 33'44'5-PeCB	EMPC		5.29	EMPC	ES PCB-54	57.3
PCB-156/157 233'44'5/233'44'5'-HxCB	200			C	ES PCB-77	107
PCB-167 23'44'55'-HxCB	89				ES PCB-81	98.6
PCB-169 33'44'55'-HxCB	11.7				ES PCB-104	85.6
PCB-189 233'44'55'-HpCB	24.3				ES PCB-105	98.9
					ES PCB-114	96.9
TEQs (WHO 1998 M/H)					ES PCB-118	103
					ES PCB-123	102
ND = 0	0.442		0.971		ES PCB-126	102
ND = 0.5 x DL	0.567		0.971		ES PCB-153	98
ND = DL	0.692		0.692		ES PCB-155	95.1
					ES PCB-156/157	93.4 C
Totals					ES PCB-167	95.6
Mono-CB	3,060				ES PCB-169	79.6
Di-CB	5,020				ES PCB-170	121
Tri-CB	6,950				ES PCB-180	131
Tetra-CB	10,900		10,900		ES PCB-188	90.3
Penta-CB	10,900		10,900		ES PCB-189	118
Hexa-CB	11,000		11,000		ES PCB-202	94
Hepta-CB	5,750		5,760		ES PCB-205	90.3
Octa-CB	3,120		3,130		ES PCB-206	102
Nona-CB	5,310				ES PCB-208	122
Deca-CB	4,440				ES PCB-209	105
					CS PCB-28	82.6
Total PCB (Mono-Deca)	66,400		66,500		CS PCB-111	101
					CS PCB-178	89.1

Checkcode: 685-253-QDH/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:02 Analyst: MS

Sample ID: E16-BOR-08 (0.5-1.0) Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.45 g	Sample ID:	B1566_15466_PCB_026-R1	Date Extracted:	18-Jan-2018
Date Collected:	31-Oct-2017	% Solid	47.7 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	685-253-QDH/A	Time Analyzed:	11:41:31

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1,490	B	PCB-19	191		PCB-54	[14.7]	EMPC	PCB-72	22.6	
PCB-2	811		PCB-30/18	753	B C	PCB-50/53	269	C	PCB-68	16	
PCB-3	754		PCB-17	365	B	PCB-45	241		PCB-57	10.3	
			PCB-27	158		PCB-51	121		PCB-58	7.38	
Conc.	3,060		PCB-24	85.3		PCB-46	117		PCB-67	41.8	
EMPC	3,060		PCB-16	454	B	PCB-52	1,530	B	PCB-63	42.5	
			PCB-32	408	B	PCB-73	10		PCB-61/70/74/76	1,670	B C
Di	**Conc.**	**Qualifiers**	PCB-34	41.9		PCB-43	54.5		PCB-66	1,080	B
PCB-4	1,190		PCB-23	16.4		PCB-69/49	845	B C	PCB-55	20.2	
PCB-10	35.3		PCB-26/29	270	C	PCB-48	225	B	PCB-56	706	B
PCB-9	322		PCB-25	216		PCB-44/47/65	1,410	B C	PCB-60	201	
PCB-7	71.6		PCB-31	823	B	PCB-59/62/75	140	C	PCB-80	(4.76)	U
PCB-6	488		PCB-28/20	1,140	B C	PCB-42	383		PCB-79	23.3	
PCB-5	179		PCB-21/33	422	B C	PCB-41	100		PCB-78	(6.05)	U
PCB-8	846	B	PCB-22	371	B	PCB-71/40	727	B C	PCB-81	(5.32)	U
PCB-14	168		PCB-36	35.9		PCB-64	538	B	PCB-77	337	
PCB-11	656	B	PCB-39	64.1							
PCB-13/12	613	C	PCB-38	5.5							
PCB-15	449		PCB-35	453							
			PCB-37	674							
Conc.	5,020		**Conc.**	6,950					**Conc.**	10,900	
EMPC	5,020		**EMPC**	6,950					**EMPC**	10,900	

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Totals	Conc.	EMPC
Mono-Tri	15,000	15,000
Tetra-Hexa	32,800	32,800
Hepta-Deca	18,600	18,600
Mono-Deca	66,400	66,500

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Sample ID: E16-BOR-08 (0.5-1.0) Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	3.7		PCB-108/119/86/97/125/87	1,070	B C	PCB-155	10.7		PCB-165	[3.07]	EMPC
PCB-96	22.6		PCB-117	(9.4)	U	PCB-152	[2.9]	EMPC	PCB-146	516	
PCB-103	35.9		PCB-116/85	326	C	PCB-150	16.9		PCB-161	(0.573)	U
PCB-94	19		PCB-110	1,920	B	PCB-136	376	B	PCB-153/168	2,000	B C
PCB-95	1,390	B	PCB-115	(9.24)	U	PCB-145	(0.626)	U	PCB-141	348	
PCB-100/93	50.3	C	PCB-82	215		PCB-148	16.2		PCB-130	161	
PCB-102	74.6		PCB-111	(8.5)	U	PCB-151/135	919	B C	PCB-137	64.1	
PCB-98	(14.7)	U	PCB-120	15.1		PCB-154	91.2		PCB-164	177	
PCB-88	(14.1)	U	PCB-107/124	49.9	C	PCB-144	91.9		PCB-163/138/129	2,230	B C
PCB-91	263		PCB-109	123		PCB-147/149	2,110	B C	PCB-160	14.3	
PCB-84	488		PCB-123	25.8		PCB-134	123		PCB-158	153	
PCB-89	25.9		PCB-106	(9.14)	U	PCB-143	(0.819)	U	PCB-128/166	352	C
PCB-121	(8.54)	U	PCB-118	1,220	B	PCB-139/140	39.1	C	PCB-159	37.6	
PCB-92	359		PCB-122	22.9		PCB-131	22.4		PCB-162	[20.8]	EMPC
PCB-113/90/101	1,670	B C	PCB-114	30.4		PCB-142	[3.81]	EMPC	PCB-167	89	
PCB-83	99.7		PCB-105	486	B	PCB-132	726		PCB-156/157	200	C
PCB-99	906	B	PCB-127	(9.24)	U	PCB-133	75.6		PCB-169	11.7	
PCB-112	(9.04)	U	PCB-126	[5.29]	EMPC						
			Conc.	10,900					**Conc.**	11,000	
			EMPC	10,900					**EMPC**	11,000	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	19.5		PCB-174	716		PCB-202	341		PCB-208	1,590	
PCB-179	320		PCB-177	442		PCB-201	128		PCB-207	297	
PCB-184	[7.47]	EMPC	PCB-181	6.19		PCB-204	[5.68]	EMPC	PCB-206	3,420	
PCB-176	81.4		PCB-171/173	188	C	PCB-197	34.7				
PCB-186	(0.636)	U	PCB-172	116		PCB-200	65.3		**Conc.**	5,310	
PCB-178	172		PCB-192	(1.36)	U	PCB-198/199	1,130	C	**EMPC**	5,310	
PCB-175	34.6		PCB-180/193	1,360	C	PCB-196	301				
PCB-187	1,120		PCB-191	21.7		PCB-203	464		**Deca**	**Conc.**	**Qualifiers**
PCB-182	13.2		PCB-170	549		PCB-195	159		PCB-209	4,440	
PCB-183	395		PCB-190	104		PCB-194	480				
PCB-185	67.1		PCB-189	24.3		PCB-205	25.1				
			Conc.	5,750		**Conc.**	3,120				
			EMPC	5,760		**EMPC**	3,130				

Sample ID: E16-BOR-08 (0.5-1.0)-D

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.47 g	Sample ID:	B1566_15466_PCB_027-R1	Date Extracted:	18-Jan-2018
Date Collected:	31-Oct-2017	% Solid	47.9 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	192				ES PCB-1	58.9
PCB-81 344'5-TeCB	3.38				ES PCB-3	63.1
PCB-105 233'44'-PeCB	344			B	ES PCB-4	61
PCB-114 2344'5-PeCB	23.5				ES PCB-15	89.1
PCB-118 23'44'5-PeCB	853			B	ES PCB-19	78.5
PCB-123 23'44'5'-PeCB	20				ES PCB-37	85.3
PCB-126 33'44'5-PeCB	3.89				ES PCB-54	57.9
PCB-156/157 233'44'5/233'44'5'-HxCB	188			C	ES PCB-77	103
PCB-167 23'44'55'-HxCB	144				ES PCB-81	96.4
PCB-169 33'44'55'-HxCB	ND	3.15		U	ES PCB-104	82.9
PCB-189 233'44'55'-HpCB	28.3				ES PCB-105	97.2
					ES PCB-114	98.6
TEQs (WHO 2005 M/H)					ES PCB-118	102
					ES PCB-123	100
ND = 0	0.457		0.457		ES PCB-126	101
ND = 0.5 x DL	0.504		0.504		ES PCB-153	95.3
ND = DL	0.552		0.552		ES PCB-155	89
					ES PCB-156/157	93.3 C
Totals					ES PCB-167	97.8
Mono-CB	2,120				ES PCB-169	79.1
Di-CB	6,400				ES PCB-170	124
Tri-CB	6,120				ES PCB-180	128
Tetra-CB	5,790		5,800		ES PCB-188	84.3
Penta-CB	7,410				ES PCB-189	120
Hexa-CB	9,830		9,830		ES PCB-202	98.2
Hepta-CB	4,610				ES PCB-205	93.8
Octa-CB	2,270				ES PCB-206	104
Nona-CB	3,340				ES PCB-208	124
Deca-CB	3,030				ES PCB-209	105
					CS PCB-28	84
Total PCB (Mono-Deca)	50,900		50,900		CS PCB-111	102
					CS PCB-178	89.5

Checkcode: 677-459-FFC/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:02 Analyst: MS

Sample ID: E16-BOR-08 (0.5-1.0)-D

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.47 g	Sample ID:	B1566_15466_PCB_027-R1	Date Extracted:	18-Jan-2018
Date Collected:	31-Oct-2017	% Solid	47.9 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	192				ES PCB-1	58.9
PCB-81 344'5-TeCB	3.38				ES PCB-3	63.1
PCB-105 233'44'-PeCB	344			B	ES PCB-4	61
PCB-114 2344'5-PeCB	23.5				ES PCB-15	89.1
PCB-118 23'44'5-PeCB	853			B	ES PCB-19	78.5
PCB-123 23'44'5'-PeCB	20				ES PCB-37	85.3
PCB-126 33'44'5-PeCB	3.89				ES PCB-54	57.9
PCB-156/157 233'44'5/233'44'5'-HxCB	188			C	ES PCB-77	103
PCB-167 23'44'55'-HxCB	144				ES PCB-81	96.4
PCB-169 33'44'55'-HxCB	ND	3.15		U	ES PCB-104	82.9
PCB-189 233'44'55'-HpCB	28.3				ES PCB-105	97.2
					ES PCB-114	98.6
TEQs (WHO 1998 M/H)					ES PCB-118	102
					ES PCB-123	100
ND = 0	0.64		0.64		ES PCB-126	101
ND = 0.5 x DL	0.656		0.656		ES PCB-153	95.3
ND = DL	0.672		0.672		ES PCB-155	89
					ES PCB-156/157	93.3 C
Totals					ES PCB-167	97.8
Mono-CB	2,120				ES PCB-169	79.1
Di-CB	6,400				ES PCB-170	124
Tri-CB	6,120				ES PCB-180	128
Tetra-CB	5,790		5,800		ES PCB-188	84.3
Penta-CB	7,410				ES PCB-189	120
Hexa-CB	9,830		9,830		ES PCB-202	98.2
Hepta-CB	4,610				ES PCB-205	93.8
Octa-CB	2,270				ES PCB-206	104
Nona-CB	3,340				ES PCB-208	124
Deca-CB	3,030				ES PCB-209	105
					CS PCB-28	84
Total PCB (Mono-Deca)	50,900		50,900		CS PCB-111	102
					CS PCB-178	89.5

Checkcode: 677-459-FFC/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:02 Analyst: MS

Sample ID: E16-BOR-08 (0.5-1.0)-D

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	4.47 g	Sample ID:	B1566_15466_PCB_027-R1	Date Extracted:	18-Jan-2018
Date Collected:	31-Oct-2017	% Solid	47.9 %	QC Batch No.:	15466	Date Analyzed:	24-Jan-2018
		Units	pg/g	Checkcode:	677-459-FFC/A	Time Analyzed:	12:35:33

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	998	B	PCB-19	90.9		PCB-54	8.05		PCB-72	24.7	
PCB-2	560		PCB-30/18	503	B C	PCB-50/53	121	C	PCB-68	13.7	
PCB-3	566		PCB-17	176	B	PCB-45	95.3		PCB-57	9.23	
			PCB-27	378		PCB-51	63.7		PCB-58	8.03	
Conc.	2,120		PCB-24	101		PCB-46	49		PCB-67	25.7	
EMPC	2,120		PCB-16	312	B	PCB-52	916	B	PCB-63	29.8	
			PCB-32	135	B	PCB-73	6.46		PCB-61/70/74/76	903	B C
Di	**Conc.**	**Qualifiers**	PCB-34	71.5		PCB-43	30.8		PCB-66	534	B
PCB-4	901		PCB-23	35.3		PCB-69/49	494	B C	PCB-55	[9.52]	EMPC
PCB-10	26.3		PCB-26/29	250	C	PCB-48	97.2	B	PCB-56	367	B
PCB-9	407		PCB-25	880		PCB-44/47/65	744	B C	PCB-60	93.4	
PCB-7	79.8		PCB-31	660	B	PCB-59/62/75	74.6	C	PCB-80	(3.36)	U
PCB-6	604		PCB-28/20	579	B C	PCB-42	190		PCB-79	23.8	
PCB-5	202		PCB-21/33	456	B C	PCB-41	37.2		PCB-78	(4.27)	U
PCB-8	1,020	B	PCB-22	281	B	PCB-71/40	354	B C	PCB-81	3.38	
PCB-14	321		PCB-36	113		PCB-64	279	B	PCB-77	192	
PCB-11	1,660	B	PCB-39	132							
PCB-13/12	859	C	PCB-38	8.23							
PCB-15	324		PCB-35	248							
			PCB-37	711							
Conc.	6,400		**Conc.**	6,120					**Conc.**	5,790	
EMPC	6,400		**EMPC**	6,120					**EMPC**	5,800	

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Totals	Conc.	EMPC
Mono-Tri	14,600	14,600
Tetra-Hexa	23,000	23,000
Hepta-Deca	13,300	13,300
Mono-Deca	50,900	50,900

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Sample ID: E16-BOR-08 (0.5-1.0)-D — Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	2.69		PCB-108/119/86/97/125/87	711	B C	PCB-155	8.01		PCB-165	[2.65]	EMPC
PCB-96	14.2		PCB-117	(11.1)	U	PCB-152	1.9	J	PCB-146	618	
PCB-103	26.8		PCB-116/85	246	C	PCB-150	12.4		PCB-161	(0.618)	U
PCB-94	(15.3)	U	PCB-110	1,280	B	PCB-136	422	B	PCB-153/168	1,600	B C
PCB-95	944	B	PCB-115	(10.9)	U	PCB-145	(0.611)	U	PCB-141	271	
PCB-100/93	34.5	C	PCB-82	128		PCB-148	11.6		PCB-130	224	
PCB-102	47.7		PCB-111	(10)	U	PCB-151/135	863	B C	PCB-137	47.5	
PCB-98	(17.3)	U	PCB-120	(10.3)	U	PCB-154	61.3		PCB-164	266	
PCB-88	(16.6)	U	PCB-107/124	36.8	C	PCB-144	62.8		PCB-163/138/129	1,760	B C
PCB-91	175		PCB-109	89.1		PCB-147/149	1,810	B C	PCB-160	11.9	
PCB-84	323		PCB-123	20		PCB-134	91.1		PCB-158	118	
PCB-89	(15.7)	U	PCB-106	(10.8)	U	PCB-143	(0.885)	U	PCB-128/166	269	C
PCB-121	(10.1)	U	PCB-118	853	B	PCB-139/140	27.5	C	PCB-159	31	
PCB-92	255		PCB-122	(12.1)	U	PCB-131	16.8		PCB-162	77.1	
PCB-113/90/101	1,160	B C	PCB-114	23.5		PCB-142	4.43		PCB-167	144	
PCB-83	71.3		PCB-105	344	B	PCB-132	664		PCB-156/157	188	C
PCB-99	611	B	PCB-127	(11.5)	U	PCB-133	145		PCB-169	(3.15)	U
PCB-112	(10.7)	U	PCB-126	3.89							
			Conc.	7,410					**Conc.**	9,830	
			EMPC	7,410					**EMPC**	9,830	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	15.2		PCB-174	580		PCB-202	234		PCB-208	1,000	
PCB-179	271		PCB-177	335		PCB-201	92.2		PCB-207	196	
PCB-184	5.21		PCB-181	4.13		PCB-204	3.38		PCB-206	2,150	
PCB-176	72.3		PCB-171/173	143	C	PCB-197	22.4				
PCB-186	(0.623)	U	PCB-172	121		PCB-200	50.2		**Conc.**	3,340	
PCB-178	151		PCB-192	(1.76)	U	PCB-198/199	802	C	**EMPC**	3,340	
PCB-175	33.7		PCB-180/193	1,090	C	PCB-196	212				
PCB-187	873		PCB-191	19.9		PCB-203	356		**Deca**	**Conc.**	**Qualifiers**
PCB-182	10.2		PCB-170	425		PCB-195	119		PCB-209	3,030	
PCB-183	301		PCB-190	80.1		PCB-194	364				
PCB-185	50.1		PCB-189	28.3		PCB-205	18.4				
			Conc.	4,610		**Conc.**	2,270				
			EMPC	4,610		**EMPC**	2,270				

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Sample DUP			Method 1668A
Sample ID: E16-BOR-08 (0.5-1.0)			
Analyte	**B1566_15466_PCB_026-R1**	**B1566_15466_PCB_027-R1 (DUP)**	**RPD**
	pg/g	**pg/g**	
PCB-77 33'44'-TeCB	337	192	54.7%
PCB-81 344'5-TeCB	ND	3.38	-
PCB-105 233'44'-PeCB	486	344	34.1%
PCB-114 2344'5-PeCB	30.4	23.5	25.7%
PCB-118 23'44'5-PeCB	1220	853	35.2%
PCB-123 23'44'5'-PeCB	25.8	20	25.3%
PCB-126 33'44'5-PeCB	5.29	3.89	30.6%
PCB-156/157 ...-HxCB	200	188	6.4%
PCB-167 23'44'55'-HxCB	89	144	47.4%
PCB-169 33'44'55'-HxCB	11.7	ND	-
PCB-189 233'44'55'-HpCB	24.3	28.3	14.9%
TEQs			
ND = 0	0.975	0.457	72.3%
ND = 0.5 x DL	0.976	0.504	63.7%
Totals			
Mono-CB	3060	2120	36.0%
Di-CB	5020	6400	24.3%
Tri-CB	6950	6120	12.7%
Tetra-CB	10900	5800	61.1%
Penta-CB	10900	7410	38.2%
Hexa-CB	11000	9830	11.2%
Hepta-CB	5760	4610	22.2%
Octa-CB	3130	2270	31.7%
Nona-CB	5310	3340	45.4%
PCB-209 DeCB	4440	3030	37.9%

Sample ID: Method Blank B1566_15465 — Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	n/a
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.00 g	Sample ID:	MB1_15465_PCB_SDS	Date Extracted:	17-Jan-2018
Date Collected:	n/a	% Solid	n/a	QC Batch No.:	15465	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	ND	1.44		U	ES PCB-1	63.5
PCB-81 344'5-TeCB	ND	1.32		U	ES PCB-3	69
PCB-105 233'44'-PeCB	2.85				ES PCB-4	64.3
PCB-114 2344'5-PeCB	ND	0.892		U	ES PCB-15	78.7
PCB-118 23'44'5-PeCB	5.92				ES PCB-19	73.8
PCB-123 23'44'5'-PeCB	ND	0.852		U	ES PCB-37	82.5
PCB-126 33'44'5-PeCB	ND	0.537		U	ES PCB-54	72.1
PCB-156/157 233'44'5/233'44'5'-HxCB	1.68			J C	ES PCB-77	82.3
PCB-167 23'44'55'-HxCB	ND	0.797		U	ES PCB-81	90.1
PCB-169 33'44'55'-HxCB	ND	0.926		U	ES PCB-104	81.7
PCB-189 233'44'55'-HpCB	ND	0.252		U	ES PCB-105	86.3
					ES PCB-114	87.7
TEQs (WHO 2005 M/H)					ES PCB-118	87.5
					ES PCB-123	88.6
ND = 0	0.000313		0.000313		ES PCB-126	97.8
ND = 0.5 x DL	0.0414		0.0414		ES PCB-153	78.4
ND = DL	0.0825		0.0825		ES PCB-155	69.9
					ES PCB-156/157	79 C
Totals					ES PCB-167	79.3
Mono-CB			5.64		ES PCB-169	75.1
Di-CB	18.2				ES PCB-170	68
Tri-CB	30				ES PCB-180	68.5
Tetra-CB	35.1		37.2		ES PCB-188	75.9
Penta-CB	33.8		38		ES PCB-189	80.6
Hexa-CB	18.6		19.7		ES PCB-202	81.9
Hepta-CB	6.64				ES PCB-205	78.5
Octa-CB	1.05		2.4		ES PCB-206	82
Nona-CB	ND	1.31			ES PCB-208	75.2
Deca-CB	ND	0.291		U	ES PCB-209	85.8
					CS PCB-28	75.6
Total PCB (Mono-Deca)	143		158		CS PCB-111	84.9
					CS PCB-178	80

Checkcode: 008-170-WLZ/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:33 Analyst: MS

Sample ID: Method Blank B1566_15465 — Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	n/a
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.00 g	Sample ID:	MB1_15465_PCB_SDS	Date Extracted:	17-Jan-2018
Date Collected:	n/a	% Solid	n/a	QC Batch No.:	15465	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	ND	1.44		U	ES PCB-1	63.5
PCB-81 344'5-TeCB	ND	1.32		U	ES PCB-3	69
PCB-105 233'44'-PeCB	2.85				ES PCB-4	64.3
PCB-114 2344'5-PeCB	ND	0.892		U	ES PCB-15	78.7
PCB-118 23'44'5-PeCB	5.92				ES PCB-19	73.8
PCB-123 23'44'5'-PeCB	ND	0.852		U	ES PCB-37	82.5
PCB-126 33'44'5-PeCB	ND	0.537		U	ES PCB-54	72.1
PCB-156/157 233'44'5/233'44'5'-HxCB	1.68			J C	ES PCB-77	82.3
PCB-167 23'44'55'-HxCB	ND	0.797		U	ES PCB-81	90.1
PCB-169 33'44'55'-HxCB	ND	0.926		U	ES PCB-104	81.7
PCB-189 233'44'55'-HpCB	ND	0.252		U	ES PCB-105	86.3
					ES PCB-114	87.7
TEQs (WHO 1998 M/H)					ES PCB-118	87.5
					ES PCB-123	88.6
ND = 0	0.00172		0.00172		ES PCB-126	97.8
ND = 0.5 x DL	0.0336		0.0336		ES PCB-153	78.4
ND = DL	0.0656		0.0656		ES PCB-155	69.9
					ES PCB-156/157	79 C
Totals					ES PCB-167	79.3
Mono-CB			5.64		ES PCB-169	75.1
Di-CB	18.2				ES PCB-170	68
Tri-CB	30				ES PCB-180	68.5
Tetra-CB	35.1		37.2		ES PCB-188	75.9
Penta-CB	33.8		38		ES PCB-189	80.6
Hexa-CB	18.6		19.7		ES PCB-202	81.9
Hepta-CB	6.64				ES PCB-205	78.5
Octa-CB	1.05		2.4		ES PCB-206	82
Nona-CB	ND	1.31			ES PCB-208	75.2
Deca-CB	ND	0.291		U	ES PCB-209	85.8
					CS PCB-28	75.6
Total PCB (Mono-Deca)	143		158		CS PCB-111	84.9
					CS PCB-178	80

Checkcode: 008-170-WLZ/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 10:33 Analyst: MS

Sample ID: Method Blank B1566_15465 — Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	n/a
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.00 g	Sample ID:	MB1_15465_PCB_SDS	Date Extracted:	17-Jan-2018
Date Collected:	n/a	% Solid	n/a	QC Batch No.:	15465	Date Analyzed:	23-Jan-2018
		Units	pg/g	Checkcode:	008-170-WLZ/A	Time Analyzed:	16:52:10

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	[5.64]	EMPC	PCB-19	(2.06)	U	PCB-54	(0.721)	U	PCB-72	(1.09)	U
PCB-2	(1.07)	U	PCB-30/18	6.58	C	PCB-50/53	(1.08)	U C	PCB-68	(1.02)	U
PCB-3	(1.21)	U	PCB-17	(1.83)	U	PCB-45	(1.38)	U	PCB-57	(1.13)	U
			PCB-27	(1.35)	U	PCB-51	(0.994)	U	PCB-58	(1.1)	U
Conc.	0		PCB-24	(1.41)	U	PCB-46	(1.34)	U	PCB-67	(1.1)	U
EMPC	5.64		PCB-16	(2.37)	U	PCB-52	5.76		PCB-63	(1.01)	U
			PCB-32	1.93	J	PCB-73	(0.87)	U	PCB-61/70/74/76	9.92	C
Di	**Conc.**	**Qualifiers**	PCB-34	(1.39)	U	PCB-43	(1.35)	U	PCB-66	4.56	
PCB-4	3.46		PCB-23	(1.37)	U	PCB-69/49	3.05	C	PCB-55	(1.22)	U
PCB-10	(0.997)	U	PCB-26/29	(1.37)	U C	PCB-48	(1.13)	U	PCB-56	[2.06]	EMPC
PCB-9	(1.07)	U	PCB-25	(1.37)	U	PCB-44/47/65	5.44	C	PCB-60	1.56	J
PCB-7	(0.96)	U	PCB-31	6.58		PCB-59/62/75	(0.834)	U C	PCB-80	(1.06)	U
PCB-6	1.5	J	PCB-28/20	7.45	C	PCB-42	(1.25)	U	PCB-79	(1.1)	U
PCB-5	(1.01)	U	PCB-21/33	4.29	C	PCB-41	(1.4)	U	PCB-78	(1.32)	U
PCB-8	5.35		PCB-22	(1.49)	U	PCB-71/40	2.51	C	PCB-81	(1.32)	U
PCB-14	(0.882)	U	PCB-36	(1.38)	U	PCB-64	2.31		PCB-77	(1.44)	U
PCB-11	5.03		PCB-39	(1.35)	U						
PCB-13/12	(1.09)	U C	PCB-38	(1.48)	U						
PCB-15	2.85		PCB-35	(1.62)	U						
			PCB-37	3.18							
Conc.	18.2		**Conc.**	30					**Conc.**	35.1	
EMPC	18.2		**EMPC**	30					**EMPC**	37.2	

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Totals	Conc.	EMPC
Mono-Tri	48.2	53.8
Tetra-Hexa	87.5	94.9
Hepta-Deca	7.7	9.04
Mono-Deca	143	158

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Sample ID: Method Blank B1566_15465 — Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.376)	U	PCB-108/119/86/97/125/87	5.49	C	PCB-155	(0.642)	U	PCB-165	(0.652)	U
PCB-96	(0.393)	U	PCB-117	(0.693)	U	PCB-152	(0.624)	U	PCB-146	(0.753)	U
PCB-103	(0.828)	U	PCB-116/85	[1.44]	J EMPC C	PCB-150	(0.616)	U	PCB-161	(0.609)	U
PCB-94	(0.949)	U	PCB-110	6.66		PCB-136	(0.675)	U	PCB-153/168	4.08	C
PCB-95	5.04		PCB-115	(0.748)	U	PCB-145	(0.66)	U	PCB-141	(0.815)	U
PCB-100/93	(0.877)	U C	PCB-82	(1.17)	U	PCB-148	(0.77)	U	PCB-130	(0.926)	U
PCB-102	(0.844)	U	PCB-111	(0.693)	U	PCB-151/135	(0.804)	U C	PCB-137	(0.798)	U
PCB-98	(0.973)	U	PCB-120	(0.699)	U	PCB-154	(0.703)	U	PCB-164	(0.603)	U
PCB-88	(1.13)	U	PCB-107/124	(0.773)	U C	PCB-144	(0.782)	U	PCB-163/138/129	6.53	C
PCB-91	[0.84]	J EMPC	PCB-109	(0.711)	U	PCB-147/149	3.75	C	PCB-160	(0.626)	U
PCB-84	1.59	J	PCB-123	(0.852)	U	PCB-134	(0.962)	U	PCB-158	(0.595)	U
PCB-89	(1.04)	U	PCB-106	(0.77)	U	PCB-143	(0.8)	U	PCB-128/166	[1.12]	J EMPC C
PCB-121	(0.685)	U	PCB-118	5.92		PCB-139/140	(0.76)	U C	PCB-159	(0.695)	U
PCB-92	(0.971)	U	PCB-122	(0.889)	U	PCB-131	(0.874)	U	PCB-162	(0.692)	U
PCB-113/90/101	6.29	C	PCB-114	(0.892)	U	PCB-142	(0.867)	U	PCB-167	(0.797)	U
PCB-83	(1.31)	U	PCB-105	2.85		PCB-132	2.53		PCB-156/157	1.68	J C
PCB-99	[1.93]	J EMPC	PCB-127	(0.831)	U	PCB-133	(0.82)	U	PCB-169	(0.926)	U
PCB-112	(0.745)	U	PCB-126	(0.537)	U						
			Conc.	33.8					**Conc.**	18.6	
			EMPC	38					**EMPC**	19.7	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.249)	U	PCB-174	1.2	J	PCB-202	(0.358)	U	PCB-208	(1.03)	U
PCB-179	(0.245)	U	PCB-177	(0.802)	U	PCB-201	(0.336)	U	PCB-207	(0.926)	U
PCB-184	(0.256)	U	PCB-181	(0.7)	U	PCB-204	(0.354)	U	PCB-206	(1.59)	U
PCB-176	(0.232)	U	PCB-171/173	(0.803)	U C	PCB-197	(0.332)	U			
PCB-186	(0.248)	U	PCB-172	(0.767)	U	PCB-200	(0.354)	U	**Conc.**	0	
PCB-178	(0.343)	U	PCB-192	(0.588)	U	PCB-198/199	[0.865]	J EMPC C	**EMPC**	0	
PCB-175	(0.719)	U	PCB-180/193	1.92	J C	PCB-196	(0.45)	U			
PCB-187	1.29	J	PCB-191	(0.565)	U	PCB-203	[0.478]	J EMPC	**Deca**	**Conc.**	**Qualifiers**
PCB-182	(0.655)	U	PCB-170	1.27	J	PCB-195	(0.892)	U	PCB-209	(0.291)	U
PCB-183	0.955	J	PCB-190	(0.553)	U	PCB-194	1.05	J			
PCB-185	(0.708)	U	PCB-189	(0.252)	U	PCB-205	(0.764)	U			
			Conc.	6.64		**Conc.**	1.05				
			EMPC	6.64		**EMPC**	2.4				

Sample ID: Method Blank B1566_15466 — Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	n/a
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.00 g	Sample ID:	MB1_15466_PCB_SDS	Date Extracted:	18-Jan-2018
Date Collected:	n/a	% Solid	n/a	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	ND	0.991		U	ES PCB-1	66.6
PCB-81 344'5-TeCB	ND	0.97		U	ES PCB-3	67.6
PCB-105 233'44'-PeCB	EMPC		1.94	J EMPC	ES PCB-4	64.1
PCB-114 2344'5-PeCB	ND	0.906		U	ES PCB-15	81.2
PCB-118 23'44'5-PeCB	4.49				ES PCB-19	67.8
PCB-123 23'44'5'-PeCB	ND	1.03		U	ES PCB-37	81
PCB-126 33'44'5-PeCB	ND	1.27		U	ES PCB-54	63.3
PCB-156/157 233'44'5/233'44'5'-HxCB	ND	1.18		U C	ES PCB-77	83.9
PCB-167 23'44'55'-HxCB	ND	0.821		U	ES PCB-81	86.2
PCB-169 33'44'55'-HxCB	ND	1.15		U	ES PCB-104	87.7
PCB-189 233'44'55'-HpCB	ND	0.951		U	ES PCB-105	95.5
					ES PCB-114	93.9
TEQs (WHO 2005 M/H)					ES PCB-118	101
					ES PCB-123	94.2
ND = 0	0.000135		0.000193		ES PCB-126	97.7
ND = 0.5 x DL	0.0812		0.0812		ES PCB-153	95.7
ND = DL	0.162		0.162		ES PCB-155	94.8
					ES PCB-156/157	89.5 C
Totals					ES PCB-167	93.2
Mono-CB	1.54				ES PCB-169	80.7
Di-CB	14				ES PCB-170	111
Tri-CB	30.1		34.4		ES PCB-180	108
Tetra-CB	31.7		40		ES PCB-188	83.2
Penta-CB	20.1		31.6		ES PCB-189	123
Hexa-CB	4.74		14.5		ES PCB-202	91.1
Hepta-CB	ND	1.13			ES PCB-205	102
Octa-CB	ND	1.02			ES PCB-206	110
Nona-CB	ND	1.37			ES PCB-208	114
Deca-CB	ND	0.987		U	ES PCB-209	117
					CS PCB-28	89.9
Total PCB (Mono-Deca)	102		136		CS PCB-111	101
					CS PCB-178	88.8

Checkcode: 647-960-SQW/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:56 Analyst: MS

Sample ID: Method Blank B1566_15466 — Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	n/a
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.00 g	Sample ID:	MB1_15466_PCB_SDS	Date Extracted:	18-Jan-2018
Date Collected:	n/a	% Solid	n/a	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018

Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery
	pg/g	pg/g	pg/g			%
PCB-77 33'44'-TeCB	ND	0.991		U	ES PCB-1	66.6
PCB-81 344'5-TeCB	ND	0.97		U	ES PCB-3	67.6
PCB-105 233'44'-PeCB	EMPC		1.94	J EMPC	ES PCB-4	64.1
PCB-114 2344'5-PeCB	ND	0.906		U	ES PCB-15	81.2
PCB-118 23'44'5-PeCB	4.49				ES PCB-19	67.8
PCB-123 23'44'5'-PeCB	ND	1.03		U	ES PCB-37	81
PCB-126 33'44'5-PeCB	ND	1.27		U	ES PCB-54	63.3
PCB-156/157 233'44'5/233'44'5'-HxCB	ND	1.18		U C	ES PCB-77	83.9
PCB-167 23'44'55'-HxCB	ND	0.821		U	ES PCB-81	86.2
PCB-169 33'44'55'-HxCB	ND	1.15		U	ES PCB-104	87.7
PCB-189 233'44'55'-HpCB	ND	0.951		U	ES PCB-105	95.5
					ES PCB-114	93.9
TEQs (WHO 1998 M/H)					ES PCB-118	101
					ES PCB-123	94.2
ND = 0	0.000449		0.000643		ES PCB-126	97.7
ND = 0.5 x DL	0.0705		0.0706		ES PCB-153	95.7
ND = DL	0.141		0.141		ES PCB-155	94.8
					ES PCB-156/157	89.5 C
Totals					ES PCB-167	93.2
Mono-CB	1.54				ES PCB-169	80.7
Di-CB	14				ES PCB-170	111
Tri-CB	30.1		34.4		ES PCB-180	108
Tetra-CB	31.7		40		ES PCB-188	83.2
Penta-CB	20.1		31.6		ES PCB-189	123
Hexa-CB	4.74		14.5		ES PCB-202	91.1
Hepta-CB	ND	1.13			ES PCB-205	102
Octa-CB	ND	1.02			ES PCB-206	110
Nona-CB	ND	1.37			ES PCB-208	114
Deca-CB	ND	0.987		U	ES PCB-209	117
					CS PCB-28	89.9
Total PCB (Mono-Deca)	102		136		CS PCB-111	101
					CS PCB-178	88.8

Checkcode: 647-960-SQW/A SGS North America - PCB v0.81 Report Created: 26-Jan-2018 09:56 Analyst: MS

Sample ID: Method Blank B1566_15466 — Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	The Chemours Company FC, LLC.	Matrix:	Solid	Project No.:	B1566	Date Received:	n/a
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	5.00 g	Sample ID:	MB1_15466_PCB_SDS	Date Extracted:	18-Jan-2018
Date Collected:	n/a	% Solid	n/a	QC Batch No.:	15466	Date Analyzed:	23-Jan-2018
		Units	pg/g	Checkcode:	647-960-SQW/A	Time Analyzed:	18:23:41

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1.54	J	PCB-19	(1.76)	U	PCB-54	(1.23)	U	PCB-72	(0.966)	U
PCB-2	(0.757)	U	PCB-30/18	5.89	C	PCB-50/53	(1.16)	U C	PCB-68	(0.875)	U
PCB-3	(0.786)	U	PCB-17	2.83		PCB-45	(1.39)	U	PCB-57	(0.989)	U
			PCB-27	(1.15)	U	PCB-51	(1.15)	U	PCB-58	(0.995)	U
Conc.	1.54		PCB-24	(1.16)	U	PCB-46	(1.48)	U	PCB-67	(0.913)	U
EMPC	1.54		PCB-16	2.91		PCB-52	[6.39]	EMPC	PCB-63	(0.914)	U
			PCB-32	1.48	J	PCB-73	(0.921)	U	PCB-61/70/74/76	8.66	C
Di	**Conc.**	**Qualifiers**	PCB-34	(1.68)	U	PCB-43	(1.45)	U	PCB-66	3.93	
PCB-4	(4.01)	U	PCB-23	(1.62)	U	PCB-69/49	4.11	C	PCB-55	(1.03)	U
PCB-10	(2.38)	U	PCB-26/29	(1.65)	U C	PCB-48	[1.93]	J EMPC	PCB-56	2.73	
PCB-9	(4.21)	U	PCB-25	(1.59)	U	PCB-44/47/65	6.98	C	PCB-60	(1.04)	U
PCB-7	(3.88)	U	PCB-31	6.16		PCB-59/62/75	(0.874)	U C	PCB-80	(0.888)	U
PCB-6	(4.12)	U	PCB-28/20	7.85	C	PCB-42	(1.35)	U	PCB-79	(0.86)	U
PCB-5	(4.09)	U	PCB-21/33	[4.35]	EMPC C	PCB-41	(1.53)	U	PCB-78	(1.12)	U
PCB-8	6.77		PCB-22	2.96		PCB-71/40	2.88	C	PCB-81	(0.97)	U
PCB-14	(3.52)	U	PCB-36	(1.63)	U	PCB-64	2.41		PCB-77	(0.991)	U
PCB-11	7.26		PCB-39	(1.56)	U						
PCB-13/12	(4.14)	U C	PCB-38	(1.73)	U						
PCB-15	(3.37)	U	PCB-35	(1.81)	U						
			PCB-37	(2.06)	U						
Conc.	14		**Conc.**	30.1					**Conc.**	31.7	
EMPC	14		**EMPC**	34.4					**EMPC**	40	

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Totals	Conc.	EMPC
Mono-Tri	45.6	50
Tetra-Hexa	56.5	86.2
Hepta-Deca	0	0
Mono-Deca	102	136

Sample ID: Method Blank B1566_15466 — Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.873)	U	PCB-108/119/86/97/125/87	[3.78]	EMPC C	PCB-155	(0.757)	U	PCB-165	(0.801)	U
PCB-96	(0.874)	U	PCB-117	(1.14)	U	PCB-152	(0.677)	U	PCB-146	(0.963)	U
PCB-103	(1.22)	U	PCB-116/85	(1.13)	U C	PCB-150	(0.687)	U	PCB-161	(0.74)	U
PCB-94	(1.42)	U	PCB-110	6.88		PCB-136	1.28	J	PCB-153/168	3.46	C
PCB-95	5.59		PCB-115	(0.979)	U	PCB-145	(0.735)	U	PCB-141	(0.997)	U
PCB-100/93	(1.35)	U C	PCB-82	(1.63)	U	PCB-148	(1.04)	U	PCB-130	(1.16)	U
PCB-102	(1.11)	U	PCB-111	(0.918)	U	PCB-151/135	[1.77]	J EMPC C	PCB-137	(0.96)	U
PCB-98	(1.51)	U	PCB-120	(0.939)	U	PCB-154	(0.92)	U	PCB-164	(0.736)	U
PCB-88	(1.73)	U	PCB-107/124	(1.01)	U C	PCB-144	(1.03)	U	PCB-163/138/129	[4.38]	EMPC C
PCB-91	(1.06)	U	PCB-109	(0.968)	U	PCB-147/149	[3.64]	EMPC C	PCB-160	(0.745)	U
PCB-84	(1.6)	U	PCB-123	(1.03)	U	PCB-134	(1.34)	U	PCB-158	(0.676)	U
PCB-89	(1.49)	U	PCB-106	(0.95)	U	PCB-143	(1)	U	PCB-128/166	(0.935)	U C
PCB-121	(0.964)	U	PCB-118	4.49		PCB-139/140	(0.981)	U C	PCB-159	(0.771)	U
PCB-92	(1.41)	U	PCB-122	(0.993)	U	PCB-131	(1.17)	U	PCB-162	(0.745)	U
PCB-113/90/101	[5.79]	EMPC C	PCB-114	(0.906)	U	PCB-142	(1.11)	U	PCB-167	(0.821)	U
PCB-83	(1.57)	U	PCB-105	[1.94]	J EMPC	PCB-132	(1.11)	U	PCB-156/157	(1.18)	U C
PCB-99	3.12		PCB-127	(0.927)	U	PCB-133	(1.04)	U	PCB-169	(1.15)	U
PCB-112	(0.983)	U	PCB-126	(1.27)	U						
			Conc.	20.1					**Conc.**	4.74	
			EMPC	31.6					**EMPC**	14.5	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.576)	U	PCB-174	(1.59)	U	PCB-202	(0.925)	U	PCB-208	(1.1)	U
PCB-179	(0.614)	U	PCB-177	(1.62)	U	PCB-201	(0.834)	U	PCB-207	(1.07)	U
PCB-184	(0.621)	U	PCB-181	(1.41)	U	PCB-204	(0.865)	U	PCB-206	(1.65)	U
PCB-176	(0.547)	U	PCB-171/173	(1.59)	U C	PCB-197	(0.829)	U			
PCB-186	(0.575)	U	PCB-172	(1.54)	U	PCB-200	(0.847)	U	**Conc.**	0	
PCB-178	(0.79)	U	PCB-192	(1.17)	U	PCB-198/199	(1.21)	U C	**EMPC**	0	
PCB-175	(1.47)	U	PCB-180/193	(1.22)	U C	PCB-196	(1.19)	U			
PCB-187	(1.36)	U	PCB-191	(1.1)	U	PCB-203	(1.17)	U	**Deca**	**Conc.**	**Qualifiers**
PCB-182	(1.32)	U	PCB-170	(1.44)	U	PCB-195	(1.37)	U	PCB-209	(0.987)	U
PCB-183	(1.34)	U	PCB-190	(1.04)	U	PCB-194	(1.34)	U			
PCB-185	(1.33)	U	PCB-189	(0.951)	U	PCB-205	(1.11)	U			
			Conc.	0		**Conc.**	0				
			EMPC	0		**EMPC**	0				

METHOD 1668A **PCB ONGOING PRECISION AND RECOVERY (OPR)** **FORM 8A**

Lab Name:	SGS North America		
Initial Calibration:	ICAL: MM4_PCB_06072017_02AUG2017		
Instrument ID:	MM4	GC Column ID:	
VER Data Filename:	180123S05	Analysis Date:	23-JAN-2018 12:43:37
Lab ID:	OPR1_15465_PCB		

NATIVE ANALYTES	SPIKE CONC. (pg/uL)	RECOVERY (%)	RANGE (%)			OK
PCB-1 2-MoCB	50	125	50	-	150	Y
PCB-3 4-MoCB	50	108	50	-	150	Y
PCB-4 22'-DiCB	50	108	50	-	150	Y
PCB-15 44'-DiCB	50	112	50	-	150	Y
PCB-19 22'6-TrCB	50	104	50	-	150	Y
PCB-37 344'-TrCB	50	116	50	-	150	Y
PCB-54 22'66'-TeCB	50	101	50	-	150	Y
PCB-77 33'44'-TeCB	50	113	50	-	150	Y
PCB-81 344'5-TeCB	50	106	50	-	150	Y
PCB-104 22'466'-PeCB	50	114	50	-	150	Y
PCB-105 233'44'-PeCB	50	117	50	-	150	Y
PCB-114 2344'5-PeCB	50	122	50	-	150	Y
PCB-118 23'44'5-PeCB	50	112	50	-	150	Y
PCB-123 23'44'5'-PeCB	50	117	50	-	150	Y
PCB-126 33'44'5-PeCB	50	119	50	-	150	Y
PCB-155 22'44'66'-HxCB	50	118	50	-	150	Y
PCB-156/157 ...-HxCB	100	118	50	-	150	Y
PCB-167 23'44'55'-HxCB	50	122	50	-	150	Y
PCB-169 33'44'55'-HxCB	50	119	50	-	150	Y
PCB-188 22'34'566'-HpCB	50	112	50	-	150	Y
PCB-189 233'44'55'-HpCB	50	121	50	-	150	Y
PCB-202 22'33'55'66'-OcCB	50	100	50	-	150	Y
PCB-205 233'44'55'6-OcCB	50	112	50	-	150	Y
PCB-206 22'33'44'55'6-NoCB	50	105	50	-	150	Y
PCB-208 22'33'455'66'-NoCB	50	113	50	-	150	Y
PCB-209 DeCB	50	109	50	-	150	Y

Contract-required recovery limits for OPR as specified in Table 6, Method 1668A.

Processed: 25 Jan 2018 10:12 Analyst: MS

METHOD 1668A **PCB ONGOING PRECISION AND RECOVERY (OPR)** **FORM 8B**

Lab Name:	SGS North America		
Initial Calibration:	ICAL: MM4_PCB_06072017_02AUG2017		
Instrument ID:	MM4	GC Column ID:	
VER Data Filename:	180123S05	Analysis Date:	23-JAN-2018 12:43:37
Lab ID:	OPR1_15465_PCB		

LABELED STANDARDS	SPIKE CONC. (pg/uL)	RECOVERY (%)	RANGE (%)			OK
ES PCB-1	100	30.4	15	-	140	Y
ES PCB-3	100	37.9	15	-	140	Y
ES PCB-4	100	39	30	-	140	Y
ES PCB-15	100	56.2	30	-	140	Y
ES PCB-19	100	50.9	30	-	140	Y
ES PCB-37	100	70.5	30	-	140	Y
ES PCB-54	100	60.2	30	-	140	Y
ES PCB-77	100	77.7	30	-	140	Y
ES PCB-81	100	80.4	30	-	140	Y
ES PCB-104	100	74.9	30	-	140	Y
ES PCB-105	100	84.7	30	-	140	Y
ES PCB-114	100	84.2	30	-	140	Y
ES PCB-118	100	87.1	30	-	140	Y
ES PCB-123	100	92.3	30	-	140	Y
ES PCB-126	100	97.8	30	-	140	Y
ES PCB-153	100	77.8	30	-	140	Y
ES PCB-155	100	69.7	30	-	140	Y
ES PCB-156/157	200	86.3	30	-	140	Y
ES PCB-167	100	83.5	30	-	140	Y
ES PCB-169	100	85.3	30	-	140	Y
ES PCB-170	100	72.5	30	-	140	Y
ES PCB-180	100	68.9	30	-	140	Y
ES PCB-188	100	79.7	30	-	140	Y
ES PCB-189	100	87.6	30	-	140	Y
ES PCB-202	100	85.3	30	-	140	Y
ES PCB-205	100	88	30	-	140	Y
ES PCB-206	100	90.7	30	-	140	Y
ES PCB-208	100	79	30	-	140	Y
ES PCB-209	100	93.6	30	-	140	Y
CLEANUP STANDARDS						
CS PCB-28	100	89.5	40	-	125	Y
CS PCB-111	100	98.3	40	-	125	Y
CS PCB-178	100	93	40	-	125	Y

Processed: 25 Jan 2018 10:12 Analyst: MS

METHOD 1668A **PCB ONGOING PRECISION AND RECOVERY (OPR)** **FORM 8A**

Lab Name:	SGS North America		
Initial Calibration:	ICAL: MM7_PCB_06072017_02AUG2017		
Instrument ID:	MM7	GC Column ID:	
VER Data Filename:	180123X02	Analysis Date:	23-JAN-2018 16:35:35
Lab ID:	OPR1_15466_PCB		

NATIVE ANALYTES	SPIKE CONC. (pg/uL)	RECOVERY (%)	RANGE (%)			OK
PCB-1 2-MoCB	50	110	50	-	150	Y
PCB-3 4-MoCB	50	106	50	-	150	Y
PCB-4 22'-DiCB	50	109	50	-	150	Y
PCB-15 44'-DiCB	50	91.6	50	-	150	Y
PCB-19 22'6-TrCB	50	104	50	-	150	Y
PCB-37 344'-TrCB	50	123	50	-	150	Y
PCB-54 22'66'-TeCB	50	118	50	-	150	Y
PCB-77 33'44'-TeCB	50	102	50	-	150	Y
PCB-81 344'5-TeCB	50	96.1	50	-	150	Y
PCB-104 22'466'-PeCB	50	114	50	-	150	Y
PCB-105 233'44'-PeCB	50	102	50	-	150	Y
PCB-114 2344'5-PeCB	50	110	50	-	150	Y
PCB-118 23'44'5-PeCB	50	104	50	-	150	Y
PCB-123 23'44'5'-PeCB	50	110	50	-	150	Y
PCB-126 33'44'5-PeCB	50	101	50	-	150	Y
PCB-155 22'44'66'-HxCB	50	125	50	-	150	Y
PCB-156/157 ...-HxCB	100	110	50	-	150	Y
PCB-167 23'44'55'-HxCB	50	120	50	-	150	Y
PCB-169 33'44'55'-HxCB	50	122	50	-	150	Y
PCB-188 22'34'566'-HpCB	50	110	50	-	150	Y
PCB-189 233'44'55'-HpCB	50	98	50	-	150	Y
PCB-202 22'33'55'66'-OcCB	50	102	50	-	150	Y
PCB-205 233'44'55'6-OcCB	50	109	50	-	150	Y
PCB-206 22'33'44'55'6-NoCB	50	98.9	50	-	150	Y
PCB-208 22'33'455'66'-NoCB	50	105	50	-	150	Y
PCB-209 DeCB	50	99.1	50	-	150	Y

Contract-required recovery limits for OPR as specified in Table 6,
Method 1668A.

Processed: 25 Jan 2018 11:43 Analyst: MS

METHOD 1668A **PCB ONGOING PRECISION AND RECOVERY (OPR)** **FORM 8B**

Lab Name:	SGS North America		
Initial Calibration:	ICAL: MM7_PCB_06072017_02AUG2017		
Instrument ID:	MM7	GC Column ID:	
VER Data Filename:	180123X02	Analysis Date:	23-JAN-2018 16:35:35
Lab ID:	OPR1_15466_PCB		

LABELED STANDARDS	SPIKE CONC. (pg/uL)	RECOVERY (%)	RANGE (%)			OK
ES PCB-1	100	57.7	15	-	140	Y
ES PCB-3	100	60	15	-	140	Y
ES PCB-4	100	56.8	30	-	140	Y
ES PCB-15	100	72.3	30	-	140	Y
ES PCB-19	100	62	30	-	140	Y
ES PCB-37	100	66.4	30	-	140	Y
ES PCB-54	100	48.6	30	-	140	Y
ES PCB-77	100	76.1	30	-	140	Y
ES PCB-81	100	77.1	30	-	140	Y
ES PCB-104	100	71.1	30	-	140	Y
ES PCB-105	100	82.8	30	-	140	Y
ES PCB-114	100	84.2	30	-	140	Y
ES PCB-118	100	89	30	-	140	Y
ES PCB-123	100	87.8	30	-	140	Y
ES PCB-126	100	96.3	30	-	140	Y
ES PCB-153	100	79.9	30	-	140	Y
ES PCB-155	100	71.2	30	-	140	Y
ES PCB-156/157	200	85.9	30	-	140	Y
ES PCB-167	100	83.5	30	-	140	Y
ES PCB-169	100	73	30	-	140	Y
ES PCB-170	100	88.6	30	-	140	Y
ES PCB-180	100	96.4	30	-	140	Y
ES PCB-188	100	73.8	30	-	140	Y
ES PCB-189	100	100	30	-	140	Y
ES PCB-202	100	79.5	30	-	140	Y
ES PCB-205	100	85.7	30	-	140	Y
ES PCB-206	100	95.3	30	-	140	Y
ES PCB-208	100	95.2	30	-	140	Y
ES PCB-209	100	91.6	30	-	140	Y
CLEANUP STANDARDS						
CS PCB-28	100	70	40	-	125	Y
CS PCB-111	100	81.3	40	-	125	Y
CS PCB-178	100	73.5	40	-	125	Y

Processed: 25 Jan 2018 11:43 Analyst: MS

Sample Receipt Notification

5500 Business Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager:	*Tamara Morgan*
Receipt Date & Time:	*10-Nov-17 at 09:54*
AP Project name:	*B1566*
Requested TAT:	*30 days*
Projected due date:	*15-Dec-17*
Matrix:	*Sediment*
Phone#:	*910-794-1613*
Email Address:	*Tamara.Morgan@sgs.com*

Company Contact:	*Michael Aucoin*
Company:	*The Chemours Company FC, LLC.*
Project Name & Site:	*DE River NAPL Delineation Phase III*
Project PO#:	*LBIO-66527*
QAAP/Contract #:	*N/A*
Requested Analysis:	*Method 1668A*
Phone#:	*302-781-5873*
Email Address:	*michael.aucoin@aecom.com*

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Size	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
D15-BOR-21 (0-0.5)	B1566_001	Sediment	1	4oz Amber	04-Nov-17	10:40	2.5	1	7706 9870 1588
D15-BOR-21 (0.5-1.0)	B1566_002	Sediment	1	4oz Amber	04-Nov-17	10:45	2.5	1	7706 9870 1588
D15-BOR-22 (0-0.5)	B1566_003	Sediment	1	4oz Amber	03-Nov-17	13:15	2.5	1	7706 9870 1588
D15-BOR-22 (0.5-1.0)	B1566_004	Sediment	1	4oz Amber	03-Nov-17	13:20	2.5	1	7706 9870 1588
D15-BOR-23 (0-0.5)	B1566_005	Sediment	1	4oz Amber	03-Nov-17	11:15	2.5	1	7706 9870 1588
D15-BOR-23 (0.5-1.0)	B1566_006	Sediment	1	4oz Amber	03-Nov-17	11:20	2.5	1	7706 9870 1588
D15-BOR-23-(0-0.5)-D	B1566_007	Sediment	1	4oz Amber	03-Nov-17	11:15	2.5	1	7706 9870 1588
D15-BOR-24 (0-0.5)	B1566_008	Sediment	1	4oz Amber	01-Nov-17	10:30	2.5	1	7706 9870 1588
D15-BOR-24 (0.5-1.0)	B1566_009	Sediment	1	4oz Amber	01-Nov-17	10:35	2.5	1	7706 9870 1588
D16-BOR-14-(0-0.5)	B1566_010	Sediment	1	4oz Amber	01-Nov-17	13:50	2.5	1	7706 9870 1588
D16-BOR-14-(0.5-1.0)	B1566_011	Sediment - MS/MSD	3	4oz Amber	01-Nov-17	13:55	2.5	1	7706 9870 1588
D16-BOR-09-(0-0.5)	B1566_012	Sediment	1	4oz Amber	06-Nov-17	10:50	0.2	2	7706 9870 1360
D16-BOR-09-(0.5-1.0)	B1566_013	Sediment - MS/MSD	3	4oz Amber	06-Nov-17	10:55	0.2	2	7706 9870 1360
D16-BOR-10-(0-0.5)	B1566_014	Sediment	1	4oz Amber	07-Nov-17	13:45	0.2	2	7706 9870 1360
D16-BOR-10-(0.5-1.0)	B1566_015	Sediment	1	4oz Amber	07-Nov-17	13:50	0.2	2	7706 9870 1360
D16-BOR-11-(0-0.5)	B1566_016	Sediment	1	4oz Amber	07-Nov-17	12:15	0.2	2	7706 9870 1360
D16-BOR-11-(0.5-1.0)	B1566_017	Sediment	1	4oz Amber	07-Nov-17	12:20	0.2	2	7706 9870 1360

Preservation Type: **Sample Seals:** No

Notes/Comments:

Samples received intact.

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Ashley Owens *Logged in by: Ashley Owens* *QC'ed by:* AK 14 Nov 17

All services are rendered in accordance with the applicable SGS General Conditions of Service accessible via: http://www.sgs.com/terms_and_conditions.htm

Sample Receipt Notification

5500 Business Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager:	*Tamara Morgan*
Receipt Date & Time:	*10-Nov-17 at 09:54*
AP Project name:	*B1566*
Requested TAT:	*30 days*
Projected due date:	*15-Dec-17*
Matrix:	*Sediment*
Phone#:	*910-794-1613*
Email Address:	*Tamara.Morgan@sgs.com*

Company Contact:	*Michael Aucoin*
Company:	*The Chemours Company FC, LLC.*
Project Name & Site:	*DE River NAPL Delineation Phase III*
Project PO#:	*LBIO-66527*
QAAP/Contract #:	*N/A*
Requested Analysis:	*Method 1668A*
Phone#:	*302-781-5873*
Email Address:	*michael.aucoin@aecom.com*

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Size	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
D16-BOR-12-(0-0.5)	B1566_018	Sediment	1	4oz Amber	06-Nov-17	14:20	0.2	2	7706 9870 1360
D16-BOR-12-(0.5-1.0)	B1566_019	Sediment	1	4oz Amber	06-Nov-17	14:25	0.2	2	7706 9870 1360
D16-BOR-12-(3.2-3.7)-D - **HOLD**	B1566_020*	Sediment - DUP	1	4oz Amber	06-Nov-17	14:40	0.2	2	7706 9870 1360
D16-BOR-13-(0-0.5)	B1566_021	Sediment	1	4oz Amber	06-Nov-17	12:20	0.2	2	7706 9870 1360
D16-BOR-13-(0.5-1.0)	B1566_022	Sediment	1	4oz Amber	06-Nov-17	12:25	0.2	2	7706 9870 1360
E16-BOR-07 (0-0.5)	B1566_023	Sediment	1	4oz Amber	03-Nov-17	15:05	2.5	1	7706 9870 1588
E16-BOR-07 (0.5-1.0)	B1566_024	Sediment	1	4oz Amber	03-Nov-17	15:10	2.5	1	7706 9870 1588
E16-BOR-08 (0-0.5)	B1566_025	Sediment	1	4oz Amber	31-Oct-17	13:10	0.2	2	7706 9870 1360
E16-BOR-08 (0.5-1.0)	B1566_026	Sediment	1	4oz Amber	31-Oct-17	13:15	0.2	2	7706 9870 1360
E16-BOR-08 (0.5-1.0)-D	B1566_027**	Sediment - DUP	1	4oz Amber	31-Oct-17	13:15	0.2	2	7706 9870 1360

Preservation Type: **Sample Seals:** No

Notes/Comments:

*Sample placed on hold per client email. **added as "Field Dup" per client email.

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Ashley Owens *Logged in by: Ashley Owens* *QC'ed by:* AK 14 Nov 17

All services are rendered in accordance with the applicable SGS General Conditions of Service accessible via: http://www.sgs.com/terms_and_conditions.htm

B1566

SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

■ Standard ☐ Basic ☐ Other:

SPECIAL DELIVERABLES: ☐ State of Origin:

■ EDD: EIM ☐ Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

INVOICE TO: (☐ CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by:

PHONE: A. Dyroff K. West

EMAIL: J. Gomez

SPECIAL INSTRUCTIONS / COMMENTS:

☐ 2,3,7,8-TCDD ☐ DRBC

☐ 2,3,7,8-TCDD/F ☐ TMDL

☐ _____

TEFS

☐ ITEFS ☐ MA-TEFS

■ WHO-98 ☐ CT-TEFS

■ WHO-05 ☐ _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
-001	D15-BOR-21 (0-0.5)	11/4/17	1040				G	Sed	1			X								
-002	D15-BOR-21 (0.5-1.0)	11/4/17	1045				G	Sed	1			X								

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:
[signature]	11/8/17	12:00	
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:

RECEIVED BY LABORATORY: Conley Owens DATE: 11/10/17 TIME: 9:54

COC SEAL: INTACT BROKEN X ABSENT

SAMPLE RECEIPT TEMP: °C 2.5° (IR3)

CARRIER: FedEx TRACKING #:

NOTES: 7706 9870 1588

SGS NORTH AMERICA INC. ULTRATRACE LABORATORY 5500 Business Drive Wilmington, NC 28405 910 350 1903 | 910 794 1613 www.sgs.com/ultratrace

Member of the SGS Group (SGS SA)

B1566

SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

■ Standard ☐ Basic ☐ Other:

SPECIAL DELIVERABLES: ☐ State of Origin:

■ EDD: EIM ☐ Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

INVOICE TO: (☐ CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by

PHONE: A. Dyroff K. West

EMAIL: J. Gomes

SPECIAL INSTRUCTIONS / COMMENTS:

☐ 2,3,7,8-TCDD ☐ DRBC

☐ 2,3,7,8-TCDD/F ☐ TMDL

☐ _____

TEFS

☐ ITEFS ☐ MA-TEFS

■ WHO-98 ☐ CT-TEFS

■ WHO-05 ☐ _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
-003	D15-BOR-22 (0-0.5)	11/3/17	13:15				G	Sed	1			X								
-004	D15-BOR-22 (0.5-1.0)	11/3/17	13:20				G	Sed	1			X								

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:
[signature]	11/8/17	12:00	
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:

RECEIVED BY LABORATORY: Ashley Dixon DATE: 11/10/17 TIME: 9:57

COC SEAL: INTACT BROKEN X ABSENT

SAMPLE RECEIPT TEMP °C: 2.5° (IR3)

CARRIER: FedEx TRACKING #:

NOTES: 7704 9870 1588

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B1566

SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

[x] Standard [ ] Basic [ ] Other:

SPECIAL DELIVERABLES: [ ] State of Origin:

[x] EDD: EIM [ ] Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

INVOICE TO: ([ ] CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by: A. Dyroff K. West

PHONE: J. Gomes

EMAIL:

SPECIAL INSTRUCTIONS / COMMENTS:

[ ] 2,3,7,8-TCDD [ ] DRBC

[ ] 2,3,7,8-TCDD/F [ ] TMDL

[ ] _____

TEFS

[ ] ITEFS [ ] MA-TEFS

[x] WHO-98 [ ] CT-TEFS

[x] WHO-05 [ ] _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
-005	D15-BOR-23 (0-0.5)	11/3/17	11:15				G	Sed	1			X								
-006	D15-BOR-23 (0.5-1.0)	11/3/17	11:20				G	Sed	1			X								
	~~[illegible]~~																			

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:
[signature]	11/8/17	12:00	
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:

RECEIVED BY LABORATORY: Ashley Orcutt DATE: 11/10/17 TIME: 9:54

COC SEAL: [ ] INTACT [ ] BROKEN [X] ABSENT

SAMPLE RECEIPT TEMP °C: 25° (IR3)

CARRIER: FedEx TRACKING #:

NOTES: 7706 9870 1588

SGS NORTH AMERICA INC. ULTRATRACE LABORATORY 5500 Business Drive Wilmington, NC 28405 910 350 1903 | 910 794 1613 www.sgs.com/ultratrace

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DUP 1

B1566

SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

☒ Standard ☐ Basic ☐ Other:

SPECIAL DELIVERABLES: ☐ State of Origin:

☒ EDD: EIM ☐ Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

INVOICE TO: (☐ CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: sampled by

PHONE: A. Dyoff K. West

EMAIL: T. Gomes

SPECIAL INSTRUCTIONS / COMMENTS:

☐ 2,3,7,8-TCDD ☐ DRBC

☐ 2,3,7,8-TCDD/F ☐ TMDL

☐ _____

TEFS

☐ ITEFS ☐ MA-TEFS

☒ WHO-98 ☐ CT-TEFS

☒ WHO-05 ☐ _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
-007	D15 -BOR- 23 -(0 - 0.5)-D	11/3/17	11:15				G	Sed	1			X								
	~~_____-BOR-_____-(_____-_____)-MS~~			X				~~Sed~~				X								
	~~_____-BOR-_____-(_____-_____)-MSD~~				X			~~Sed~~				X								
	~~CWKDERIVER3-EQBLK-1~~							~~Water~~				X								

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:	RECEIVED BY LABORATORY:	DATE:	TIME:
[signature]	11/8/17	12:00		Ashley Owens	11/10/17	9:54
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:	COC SEAL: ☐ INTACT ☐ BROKEN X ABSENT		
				SAMPLE RECEIPT TEMP: °C 2.5° (IR3)		
				CARRIER: FedEx	TRACKING #:	
				NOTES: 7766 9870 1588		

SGS NORTH AMERICA INC. ULTRATRACE LABORATORY 5500 Business Drive Wilmington, NC 28405 910 350 1903 | 910 794 1613 www.sgs.com/ultratrace

Member of the SGS Group (SGS SA)

B1566

SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

[x] Standard [ ] Basic [ ] Other:

SPECIAL DELIVERABLES: [ ] State of Origin:

[x] EDD: EIM [ ] Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

INVOICE TO: ([ ] CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS:

PHONE:

EMAIL:

Sampled by: A. Dyroff, K. West, J. Gomes

SPECIAL INSTRUCTIONS / COMMENTS:

[ ] 2,3,7,8-TCDD [ ] DRBC
[ ] 2,3,7,8-TCDD/F [ ] TMDL
[ ] _____

TEFS: [ ] ITEFS [ ] MA-TEFS [x] WHO-98 [ ] CT-TEFS [x] WHO-05 [ ] _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
-008	D15-BOR-24 (0-0.5)	11/1/17	10:30				G	Sed	1			X								
-009	D15-BOR-24 (0.5-1.0)	11/1/17	10:35				G	Sed	1			X								

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:
[signature]	11/8/17	12:00	
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:

RECEIVED BY LABORATORY: Ashley Orcus DATE: 11/10/17 TIME: 9:54

COC SEAL: INTACT BROKEN X ABSENT

SAMPLE RECEIPT TEMP °C: 2.5° (IR3)

CARRIER: FedEx TRACKING #:

NOTES: 7706 9870 1588

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Member of the SGS Group (SGS SA)

B1566

SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

☒ Standard ☐ Basic ☐ Other:

SPECIAL DELIVERABLES: ☐ State of Origin:

☒ EDD: EIM ☐ Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

INVOICE TO: (☐ CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by: A. Dyroff J. Gomes K. West

PHONE:

EMAIL:

SPECIAL INSTRUCTIONS / COMMENTS:

☐ 2,3,7,8-TCDD ☐ DRBC

☐ 2,3,7,8-TCDD/F ☐ TMDL

☐ _____

TEFS

☐ ITEFS ☐ MA-TEFS

☒ WHO-98 ☐ CT-TEFS

☒ WHO-05 ☐ _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
-010	D16-BOR-14-(0-0.5)	11/1/17	1350				G	Sed	1			X								
-011	D16-BOR-14-(0.5-1.0)	11/1/17	1355				G	Sed	1			X								

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:
[signature]	11/8/17	12:00	
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:

RECEIVED BY LABORATORY: Ashley Orcus DATE: 11/10/17 TIME: 9:54

COC SEAL: ☐ INTACT ☐ BROKEN ☒ ABSENT

SAMPLE RECEIPT TEMP °C: 2.5 (IR3)

CARRIER: FedEx TRACKING #:

NOTES: 7706 9870 1588

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MS / MSD 1

B1566

SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

☒ Standard ☐ Basic ☐ Other:

SPECIAL DELIVERABLES: ☐ State of Origin:

☒ EDD: EIM ☐ Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

INVOICE TO: (☐ CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by

PHONE: A. Dyroff J. Gomes

EMAIL: k-west

SPECIAL INSTRUCTIONS / COMMENTS:

☐ 2,3,7,8-TCDD ☐ DRBC

☐ 2,3,7,8-TCDD/F ☐ TMDL

☐ _____

TEFS: ☐ ITEFS ☐ MA-TEFS ☒ WHO-98 ☐ CT-TEFS ☒ WHO-05 ☐ _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
	~~[illegible]~~							~~Sed~~				X								
-011	D16 -BOR- 14 -(0.5 - 1.0)-MS	11/1/17	13:55	X			G	Sed	1			X								
-011	D16 -BOR- 14 -(0.5 - 1.0)-MSD	11/1/17	13:55		X		G	Sed	1			X								
	~~CWKDERIVER3-EQBLK-1~~							~~Water~~				X								

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:	RECEIVED BY LABORATORY:	DATE:	TIME:
[signature]	11/8/17	12:00		Ashley Owens	11/10/17	9:54
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:	COC SEAL: ☐ INTACT ☐ BROKEN ☒ ABSENT		
				SAMPLE RECEIPT TEMP °C: 2.5° (IR3)		
				CARRIER: FedEx	TRACKING #:	
				NOTES: 7106 9870 1588		

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SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

■ Standard ☐ Basic ☐ Other:

SPECIAL DELIVERABLES: ☐ State of Origin:

■ EDD: EIM ☐ Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE 19

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

INVOICE TO: (☐ CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by:

PHONE: A. Dyroff K. West

EMAIL: J. Gomes

SPECIAL INSTRUCTIONS / COMMENTS:

☐ 2,3,7,8-TCDD ☐ DRBC

☐ 2,3,7,8-TCDD/F ☐ TMDL

☐ _____

TEFS

☐ ITEFS ☐ MA-TEFS

■ WHO-98 ☐ CT-TEFS

■ WHO-05 ☐ _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
-012	D16-BOR-09-(0-0.5)	11-6-17	10:50				G	Sed	1			X								
-013	D16-BOR-09-(0.5-1.0)	11-6-17	10:55				G	Sed	1			X								

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:
[signature]	11/8/17	12:00	
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:

RECEIVED BY LABORATORY: Ashley Orzuo DATE: 11/10/17 TIME: 9:54

COC SEAL: ☐ INTACT ☐ BROKEN ☐ ABSENT

SAMPLE RECEIPT TEMP: °C 0.2° (I.B.) IR3

CARRIER: FedEx TRACKING #:

NOTES: 7700 9870 1360

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MS/MSD 2

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SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

☒ Standard ☐ Basic ☐ Other:

SPECIAL DELIVERABLES: ☐ State of Origin:

☒ EDD: EIM ☐ Other:

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INVOICE TO: (☐ CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by:

PHONE: A. Dyroff K-West

EMAIL: J. Gomes

SPECIAL INSTRUCTIONS / COMMENTS:

☐ 2,3,7,8-TCDD ☐ DRBC

☐ 2,3,7,8-TCDD/F ☐ TMDL

☐ _____

TEFS

☐ ITEFS ☐ MA-TEFS

☒ WHO-98 ☐ CT-TEFS

☒ WHO-05 ☐ _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
	~~[illegible]~~							~~Sed~~				X								
-013	D16 -BOR- 09 -(0.5 - 1.0)-MS	11-6-17	10:55	X			G	Sed	1			X								
-013	D16 -BOR- 09 -(0.5 - 1.0)-MSD	11-6-17	10:55		X		G	Sed	1			X								
	~~CWKDERIVERS EQBLK1~~							~~Water~~				X								

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:	RECEIVED BY LABORATORY:	DATE:	TIME:
[signature]	11/8/17	12:00		Ashley Owens	11/10/17	9:54
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:	COC SEAL: X INTACT ☐ BROKEN ☐ ABSENT		
				SAMPLE RECEIPT TEMP: °C 0.2° (T.B.) IR3		
				CARRIER: FedEx	TRACKING #:	
				NOTES: 7702 9870 1310		

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PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

[x] Standard [ ] Basic [ ] Other:

SPECIAL DELIVERABLES: [ ] State of Origin:

[x] EDD: EIM [ ] Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE 19

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

INVOICE TO: ([ ] CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by:

PHONE: A. Dyroff K. West

EMAIL: J. Gomes

SPECIAL INSTRUCTIONS / COMMENTS:

[ ] 2,3,7,8-TCDD [ ] DRBC

[ ] 2,3,7,8-TCDD/F [ ] TMDL

[ ] _____

TEFS

[ ] ITEFS [ ] MA-TEFS

[x] WHO-98 [ ] CT-TEFS

[x] WHO-05 [ ] _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
-014	D16-BOR-10-(0-0.5)	11-7-17	1345				G	Sed	1			X								
-015	D16-BOR-10-(0.5-1.0)	11-7-17	1350				G	Sed	1			X								

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:
[signature]	11/8/17	12:00	
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:

RECEIVED BY LABORATORY: Ashley Orcus DATE: 11/10/17 TIME: 9:54

COC SEAL: X INTACT [ ] BROKEN [ ] ABSENT

SAMPLE RECEIPT TEMP °C: 02° (T.B.) IR3

CARRIER: FedEx TRACKING #:

NOTES: 7706 9870 1360

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Member of the SGS Group (SGS SA)

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SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

[x] Standard [ ] Basic [ ] Other:

SPECIAL DELIVERABLES: [ ] State of Origin:

[x] EDD: EIM [ ] Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

INVOICE TO: ([ ] CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Samples by:

PHONE: A. Dyroff & S. Morgan

EMAIL: J. Gomez

SPECIAL INSTRUCTIONS / COMMENTS:

[ ] 2,3,7,8-TCDD [ ] DRBC

[ ] 2,3,7,8-TCDD/F [ ] TMDL

[ ] _____

TEFS

[ ] ITEFS [ ] MA-TEFS

[x] WHO-98 [ ] CT-TEFS

[x] WHO-05 [ ] _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
-016	D16-BOR-11-(0-0.5)	11-7-17	1215				G	Sed	1			X								
-017	D16-BOR-11-(0.5-1.0)	11-7-17	1220				G	Sed	1			X								

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:
[signature]	11/8/17	12:00	
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:

RECEIVED BY LABORATORY: Ashley Owens DATE: 11/10/17 TIME: 9:54

COC SEAL: X INTACT [ ] BROKEN [ ] ABSENT

SAMPLE RECEIPT TEMP: °C 0.2° (T.B.) IR3

CARRIER: FedEx TRACKING #:

NOTES: 7706 9870 1360

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SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

☒ Standard ☐ Basic ☐ Other:

SPECIAL DELIVERABLES: ☐ State of Origin:

☒ EDD: EIM ☐ Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

INVOICE TO: (☐ CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by:

PHONE: A-Pyroff K-West

EMAIL: J-Gomes

SPECIAL INSTRUCTIONS / COMMENTS:

☐ 2,3,7,8-TCDD ☐ DRBC

☐ 2,3,7,8-TCDD/F ☐ TMDL

☐ _____

TEFS

☐ ITEFS ☐ MA-TEFS

☒ WHO-98 ☐ CT-TEFS

☒ WHO-05 ☐ _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
-018	D16-BOR-12-(0-0.5)	11-6-17	14:20				G	Sed	1			X								
-019	D16-BOR-12-(0.5-1.0)	11-6-17	14:25				G	Sed	1			X								

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:
[signature]	11/8/17	12:00	
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:

RECEIVED BY LABORATORY: Ashley Owens DATE: 11/10/17 TIME: 954

COC SEAL: X INTACT ☐ BROKEN ☐ ABSENT

SAMPLE RECEIPT TEMP: °C 0.2° (T.B) 123

CARRIER: FedEx TRACKING #:

NOTES: 7706 9870 1360

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SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

☒ Standard ☐ Basic ☐ Other:

SPECIAL DELIVERABLES: ☐ State of Origin:

☒ EDD: EIM ☐ Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

INVOICE TO: (☐ CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by:

PHONE: A. Dyroff, J. Gomes

EMAIL: K. West

SPECIAL INSTRUCTIONS / COMMENTS:

☐ 2,3,7,8-TCDD ☐ DRBC

☐ 2,3,7,8-TCDD/F ☐ TMDL

☐ _____

TEFS: ☐ ITEFS ☐ MA-TEFS ☒ WHO-98 ☐ CT-TEFS ☒ WHO-05 ☐ _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
-020	DB -BOR- 12 -(8.2 - 3.7)-D	11-6-17	14:40			✓	G	Sed	1			X								
~~[illegible]~~	~~[illegible]-BOR-[illegible]-([illegible])-MS~~			~~X~~				~~Sed~~				~~X~~								
~~[illegible]~~	~~[illegible]-BOR-[illegible]-([illegible])-MSD~~				~~X~~			~~Sed~~				~~X~~								
~~[illegible]~~	~~CWKDERIVER3-EQBLK-1~~							~~Water~~				~~X~~								

Sample placed on Hold per client email TM 11/14/17

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:	RECEIVED BY LABORATORY:	DATE:	TIME:
[signature]	11/8/17	12:00		Ashley Owens	11/10/17	9:54
				COC SEAL: X INTACT ☐ BROKEN ☐ ABSENT		
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:	SAMPLE RECEIPT TEMP: °C 0.2° (T.B.) 123		
				CARRIER: FedEx	TRACKING #:	
				NOTES: 7706 9870 1360		

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SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

■ Standard ☐ Basic ☐ Other:

SPECIAL DELIVERABLES: ☐ State of Origin:

■ EDD: EIM ☐ Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

INVOICE TO: (☐ CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by:

PHONE: A. Dyroff K. West

EMAIL: J. Gomes

SPECIAL INSTRUCTIONS / COMMENTS:

☐ 2,3,7,8-TCDD ☐ DRBC

☐ 2,3,7,8-TCDD/F ☐ TMDL

☐ _____

TEFS

☐ ITEFS ☐ MA-TEFS

■ WHO-98 ☐ CT-TEFS

■ WHO-05 ☐ _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
-021	D16-BOR-13-(0-0.5)	11-6-17	12:20				G	Sed	1			X								
-022	D16-BOR-13-(0.5-1.0)	11-6-17	12:25				G	Sed	1			X								

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:
[signature]	11/8/17	12:00	
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:

RECEIVED BY LABORATORY: Ashley Nocus DATE: 11/10/17 TIME: 9:54

COC SEAL: X INTACT ☐ BROKEN ☐ ABSENT

SAMPLE RECEIPT TEMP: °C 0.2° (T.B.) IR3

CARRIER: Fedex TRACKING #:

NOTES: 7706 9870 1360

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SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

■ Standard ☐ Basic ☐ Other:

SPECIAL DELIVERABLES: ☐ State of Origin:

■ EDD: EIM ☐ Other:

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COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

INVOICE TO: (☐ CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by:

PHONE: A. Dyroff J. Gomes

EMAIL: K-West

SPECIAL INSTRUCTIONS / COMMENTS:

☐ 2,3,7,8-TCDD ☐ DRBC

☐ 2,3,7,8-TCDD/F ☐ TMDL

☐ _____

TEFS

☐ ITEFS ☐ MA-TEFS

■ WHO-98 ☐ CT-TEFS

■ WHO-05 ☐ _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
-023	E16-BOR-07 (0-0.5)	11-3-17	15:05				G	Sed	1			X								
-024	E16-BOR-07 (0.5-1.0)	11-3-17	15:10				G	Sed	1			X								

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:
[signature]	11/8/17	12:00	
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:

RECEIVED BY LABORATORY: Ashley Orcutt DATE: 11/10/17 TIME: 9:54

COC SEAL: ☐ INTACT ☐ BROKEN X ABSENT

SAMPLE RECEIPT TEMP: °C 2.5° (IR3)

CARRIER: FedEx TRACKING #:

NOTES: 7706 9870 1588

SGS NORTH AMERICA INC. ULTRATRACE LABORATORY 5500 Business Drive Wilmington, NC 28405 910 350 1903 | 910 794 1613 www.sgs.com/ultratrace

Member of the SGS Group (SGS SA)

SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

■ Standard ☐ Basic ☐ Other:

SPECIAL DELIVERABLES: ☐ State of Origin:

■ EDD: EIM ☐ Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE 19

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

INVOICE TO: (☐ CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by:

PHONE: A. Dyroff J. Gomes

EMAIL: K. West

SPECIAL INSTRUCTIONS / COMMENTS:

☐ 2,3,7,8-TCDD ☐ DRBC

☐ 2,3,7,8-TCDD/F ☐ TMDL

☐ _____

TEFS

☐ ITEFS ☐ MA-TEFS

■ WHO-98 ☐ CT-TEFS

■ WHO-05 ☐ _____

Upload deliverables per contract- to EIM and CRG sites

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
-025	E16-BOR-08 (0-0.5)	10/31/17	13:10				G	Sed	1			X								
-026	E16-BOR-08 (0.5-1.0)	10/31/17	13:15				G	Sed	1			X								

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:
[signature]	11/8/17	12:00	
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:

RECEIVED BY LABORATORY: Ashley Owens DATE: 11/10/17 TIME: 9:54

COC SEAL: X INTACT ☐ BROKEN ☐ ABSENT

SAMPLE RECEIPT TEMP °C: 0.2° (T.B.) IR3

CARRIER: FedEx TRACKING #:

NOTES: 7706 9870 1360

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