

Appendix B

Analytical Data Results

Appendix B1 - Upper and Middle Green River Conventional, Arsenic, and Organic Chemical Results

Table B1-1. Conventional, Arsenic, and Organic Chemical Results for Upper Green River Mainstem (UG319) - Baseflow

Table B1-2. Conventional, Arsenic, and Organic Chemical Results for Upper Green River Mainstem (UG319) - Storm Events

Table B1-3. Conventional, Arsenic, and Organic Chemical Results for Sunday Creek (SC319) - Baseflow

Table B1-4. Conventional, Arsenic, and Organic Chemical Results for Sunday Creek (SC319) - Storm Events

Table B1-5. Conventional, Arsenic, and Organic Chemical Results for Green River Mainstem (KP319) - Baseflow

Table B1-6. Conventional, Arsenic, and Organic Chemical Results for Green River Mainstem (KP319) - Storm Events

Table B1-7. Conventional, Arsenic, and Organic Chemical Results for Equipment Blank (ISCO® Autosampler)

Abbreviations/Acronyms

Conc = Concentration

Lab Qual = Laboratory Qualifier

MDL = Method Detection Limit

RDL = Reporting Detection Limit

SDL = Sample Detection Limit

Val Qual = Validation Qualifier

Table B1-1. Conventional, Arsenic, and Organic Chemical Results for Upper Green River Mainstem (UG319) - Baseflow
King County Environmental Lab Analytical Report

Parameters	Locator:	UG319					UG319						
	Descrip:	UPPER GREEN RIVER MAINSTEM					UPPER GREEN RIVER MAINSTEM						
	Sample:	L58657-2					L58688-2						
	Matrix:	LK FRESH WTR					LK FRESH WTR						
	Collect Date:	09/04/13					09/10/13						
	Time Span:	2					2						
		Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units
CV SM2540-D													
Total Suspended Solids		---	<MDL	U	0.5	1	mg/L	---	<MDL	U	1	2	mg/L
CV SM5310-B													
Dissolved Organic Carbon		3.21	---	---	0.5	1	mg/L	0.61	<RDL	J	0.5	1	mg/L
Total Organic Carbon		3.29	---	---	0.5	1	mg/L	0.55	<RDL	J	0.5	1	mg/L
MT EPA 200.8*SW846 6020A													
Arsenic, Dissolved, ICP-MS		0.16	<RDL,H	J	0.1	0.5	ug/L	0.15	<RDL,H	J	0.1	0.5	ug/L
Arsenic, Total, ICP-MS		0.15	<RDL	J	0.1	0.5	ug/L	0.15	<RDL	J	0.1	0.5	ug/L
OR SW846 3520C*8270D SIM													
2-Methylnaphthalene		0.0016	<RDL,B	UA	0.00062	0.00284	ug/L	0.00067	<RDL,B	UA	0.00061	0.00283	ug/L
Acenaphthene		0.00064	<RDL,B	UA	0.00033	0.00142	ug/L	---	<MDL	U	0.00033	0.00142	ug/L
Acenaphthylene		---	<MDL	U	0.00024	0.000474	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Anthracene		---	<MDL	U	0.00024	0.000474	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)anthracene		---	<MDL	U	0.00024	0.000474	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)pyrene		---	<MDL	U	0.00047	0.000948	ug/L	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(b,j,k)fluoranthene		---	<MDL	U	0.00047	0.000948	ug/L	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(g,h,i)perylene		---	<MDL	U	0.00028	0.000948	ug/L	---	<MDL	U	0.00028	0.000943	ug/L
Chrysene		---	<MDL	U	0.00024	0.000474	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Dibenzo(a,h)anthracene		---	<MDL	U	0.00033	0.000948	ug/L	---	<MDL	U	0.00033	0.000943	ug/L
Fluoranthene		0.00087	<RDL,B	UA	0.00016	0.000948	ug/L	0.00054	<RDL,B	UA	0.00016	0.000943	ug/L
Fluorene		0.00092	<RDL,B	UA	0.00024	0.000948	ug/L	0.00038	<RDL,B	UA	0.00024	0.000943	ug/L
Indeno(1,2,3-Cd)Pyrene		---	<MDL	U	0.00033	0.000948	ug/L	---	<MDL	U	0.00033	0.000943	ug/L
Naphthalene		0.12	---	---	0.00062	0.00474	ug/L	0.0453	---	---	0.00061	0.00472	ug/L
Phenanthrene		0.00289	B	U	0.00019	0.0019	ug/L	0.0013	<RDL,B	UA	0.00019	0.00189	ug/L
Pyrene		0.00035	<RDL,B	UA	0.00024	0.000948	ug/L	0.00026	<RDL,B	UA	0.00024	0.000943	ug/L

Table B1-1. Conventional, Arsenic, and Organic Chemical Results for Upper Green River Mainstem (UG319) - Baseflow
King County Environmental Lab Analytical Report

Parameters	Locator:	UG319 UPPER GREEN RIVER MAINSTEM L58688-3 LK FRESH WTR Collect Date: 09/10/13 Time Span: 2					Field Replicate of L58688-2	UG319 UPPER GREEN RIVER MAINSTEM L58976-1 LK FRESH WTR 10/17/13 2					
		Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units
CV SM2540-D													
Total Suspended Solids	---	<MDL	U	0.5	1	mg/L		---	<MDL	U	0.5	1	mg/L
CV SM5310-B													
Dissolved Organic Carbon	3.04	---	---	0.5	1	mg/L		1.28	J	J	0.5	1	mg/L
Total Organic Carbon	3.06	---	---	0.5	1	mg/L		0.75	<RDL,J	J	0.5	1	mg/L
MT EPA 200.8*SW846 6020A													
Arsenic, Dissolved, ICP-MS	0.14	<RDL,H	J	0.1	0.5	ug/L		0.12	<RDL,H	J	0.1	0.5	ug/L
Arsenic, Total, ICP-MS	0.14	<RDL	J	0.1	0.5	ug/L		0.13	<RDL	J	0.1	0.5	ug/L
OR SW846 3520C*8270D SIM													
2-Methylnaphthalene	0.00092	<RDL,B	UA	0.00061	0.00283	ug/L		---	<MDL	U	0.00061	0.00283	ug/L
Acenaphthene	0.00058	<RDL,B	UA	0.00033	0.00142	ug/L		---	<MDL	U	0.00033	0.00142	ug/L
Acenaphthylene	---	<MDL	U	0.00024	0.000472	ug/L		---	<MDL	U	0.00024	0.000472	ug/L
Anthracene	---	<MDL	U	0.00024	0.000472	ug/L		---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)anthracene	---	<MDL	U	0.00024	0.000472	ug/L		---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)pyrene	---	<MDL	U	0.00047	0.000943	ug/L		---	<MDL	U	0.00047	0.000943	ug/L
Benzo(b,j,k)fluoranthene	---	<MDL	U	0.00047	0.000943	ug/L		---	<MDL	U	0.00047	0.000943	ug/L
Benzo(g,h,i)perylene	---	<MDL	U	0.00028	0.000943	ug/L		---	<MDL	U	0.00028	0.000943	ug/L
Chrysene	---	<MDL	U	0.00024	0.000472	ug/L		---	<MDL	U	0.00024	0.000472	ug/L
Dibenzo(a,h)anthracene	---	<MDL	U	0.00033	0.000943	ug/L		---	<MDL	U	0.00033	0.000943	ug/L
Fluoranthene	0.00094	<RDL,B	UA	0.00016	0.000943	ug/L		0.00044	<RDL,B	UA	0.00016	0.000943	ug/L
Fluorene	0.00075	<RDL,B	UA	0.00024	0.000943	ug/L		0.00028	<RDL	J	0.00024	0.000943	ug/L
Indeno(1,2,3-Cd)Pyrene	---	<MDL	U	0.00033	0.000943	ug/L		---	<MDL	U	0.00033	0.000943	ug/L
Naphthalene	0.058	---	---	0.00061	0.00472	ug/L		0.0773	---	---	0.00061	0.00472	ug/L
Phenanthrene	0.00283	B	U	0.00019	0.00189	ug/L		0.00081	<RDL,B	UA	0.00019	0.00189	ug/L
Pyrene	0.00044	<RDL,B	UA	0.00024	0.000943	ug/L		0.00026	<RDL,B	UA	0.00024	0.000943	ug/L

MDL = Method Detection Limit
RDL = Reporting Detection Limit
H = Holding time criteria not met
J = Estimated Value
U = Not detected

B = The method blank is $\geq$ the MDL and the sample result is $\geq$ MDL but $\leq$ 5 times the method blank
--- = not applicable

UA = Not detected; the RDL is used as the nondetect sample value.

Table B1-2. Conventional, Arsenic, and Organic Chemical Results for Upper Green River Mainstem (UG319) - Storm Events
King County Environmental Lab Analytical Report

Parameters	Locator:	UG319					UG319	Field Replicate of L58861-1				
	Descrip:	UPPER GREEN RIVER MAINSTEM					UPPER GREEN RIVER MAINSTEM					
	Sample:	L58861-1					L58861-3					
	Matrix:	LG STORM WTR					LG STORM WTR					
	Collect Date:	10/01/13					10/01/13					
	Time Span:	2					2					
	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units
CV SM2540-D												
Total Suspended Solids	1.1	---	---	0.5	1	mg/L	0.5	<RDL	J	0.5	1	mg/L
CV SM5310-B												
Dissolved Organic Carbon	2.07	---	---	0.5	1	mg/L	2.16	---	---	0.5	1	mg/L
Total Organic Carbon	2.16	---	---	0.5	1	mg/L	2.14	---	---	0.5	1	mg/L
MT EPA 200.8*SW846 6020A												
Arsenic, Dissolved, ICP-MS	0.15	<RDL,H	J	0.1	0.5	ug/L	0.14	<RDL,H	J	0.1	0.5	ug/L
Arsenic, Total, ICP-MS	0.18	<RDL	J	0.1	0.5	ug/L	0.16	<RDL	J	0.1	0.5	ug/L
OR SW846 3520C*8270D SIM												
2-Methylnaphthalene	0.00077	<RDL	J	0.00061	0.00283	ug/L	---	<MDL	U	0.00061	0.00283	ug/L
Acenaphthene	---	<MDL	U	0.00033	0.00142	ug/L	---	<MDL	U	0.00033	0.00142	ug/L
Acenaphthylene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Anthracene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)anthracene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)pyrene	---	<MDL	U	0.00047	0.000943	ug/L	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(b,j,k)fluoranthene	---	<MDL	U	0.00047	0.000943	ug/L	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(g,h,i)perylene	---	<MDL	U	0.00028	0.000943	ug/L	---	<MDL	U	0.00028	0.000943	ug/L
Chrysene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Dibenzo(a,h)anthracene	---	<MDL	U	0.00033	0.000943	ug/L	---	<MDL	U	0.00033	0.000943	ug/L
Fluoranthene	0.00031	<RDL	J	0.00016	0.000943	ug/L	0.00029	<RDL	J	0.00016	0.000943	ug/L
Fluorene	0.00033	<RDL	J	0.00024	0.000943	ug/L	0.00026	<RDL	J	0.00024	0.000943	ug/L
Indeno(1,2,3-Cd)Pyrene	---	<MDL	U	0.00033	0.000943	ug/L	---	<MDL	U	0.00033	0.000943	ug/L
Naphthalene	0.172	---	---	0.00061	0.00472	ug/L	0.094	---	---	0.00061	0.00472	ug/L
Phenanthrene	0.00077	<RDL,B	UA	0.00019	0.00189	ug/L	0.00077	<RDL,B	UA	0.00019	0.00189	ug/L
Pyrene	---	<MDL	U	0.00024	0.000943	ug/L	---	<MDL	U	0.00024	0.000943	ug/L

Table B1-2. Conventional, Arsenic, and Organic Chemical Results for Upper Green River Mainstem (UG319) - Storm Events
King County Environmental Lab Analytical Report

Parameters	Locator:	UG319					UG319					
	Descrip:	UPPER GREEN RIVER MAINSTEM					UPPER GREEN RIVER MAINSTEM					
	Sample:	L59148-1					L59240-1					
	Matrix:	LG STORM WTR					LG STORM WTR					
	Collect Date:	11/07/13					11/19/13					
	Time Span:	2					2					
	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units
CV SM2540-D												
Total Suspended Solids	---	<MDL	U	1	2	mg/L	13.4	---	---	0.5	1	mg/L
CV SM5310-B												
Dissolved Organic Carbon	1.23	---	---	0.5	1	mg/L	2.16	---	---	0.5	1	mg/L
Total Organic Carbon	1.06	---	---	0.5	1	mg/L	2.32	---	---	0.5	1	mg/L
MT EPA 200.8*SW846 6020A												
Arsenic, Dissolved, ICP-MS	0.16	<RDL,H	J	0.1	0.5	ug/L	0.15	<RDL,H	J	0.1	0.5	ug/L
Arsenic, Total, ICP-MS	0.16	<RDL	J	0.1	0.5	ug/L	0.2	<RDL	J	0.1	0.5	ug/L
OR SW846 3520C*8270D SIM												
2-Methylnaphthalene	0.00062	<RDL	J	0.00062	0.00286	ug/L	0.00079	<RDL,B	UA	0.00061	0.00283	ug/L
Acenaphthene	---	<MDL	U	0.00033	0.00143	ug/L	---	<MDL	U	0.00033	0.00142	ug/L
Acenaphthylene	---	<MDL	U	0.00024	0.000476	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Anthracene	---	<MDL	U	0.00024	0.000476	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)anthracene	---	<MDL	U	0.00024	0.000476	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)pyrene	---	<MDL	U	0.00048	0.000952	ug/L	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(b,j,k)fluoranthene	---	<MDL	U	0.00048	0.000952	ug/L	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(g,h,i)perylene	---	<MDL	U	0.00029	0.000952	ug/L	---	<MDL	U	0.00028	0.000943	ug/L
Chrysene	---	<MDL	U	0.00024	0.000476	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Dibenzo(a,h)anthracene	---	<MDL	U	0.00033	0.000952	ug/L	---	<MDL	U	0.00033	0.000943	ug/L
Fluoranthene	---	<MDL	U	0.00016	0.000952	ug/L	0.00053	<RDL,B	UA	0.00016	0.000943	ug/L
Fluorene	0.00039	<RDL	J	0.00024	0.000952	ug/L	0.00032	<RDL	J	0.00024	0.000943	ug/L
Indeno(1,2,3-Cd)Pyrene	---	<MDL	U	0.00033	0.000952	ug/L	---	<MDL	U	0.00033	0.000943	ug/L
Naphthalene	0.059	---	---	0.00062	0.00476	ug/L	0.0251	J	J	0.00061	0.00472	ug/L
Phenanthrene	---	<MDL	U	0.00019	0.0019	ug/L	0.0011	<RDL,B	UA	0.00019	0.00189	ug/L
Pyrene	---	<MDL	U	0.00024	0.000952	ug/L	---	<MDL	U	0.00024	0.000943	ug/L

MDL = Method Detection Limit
RDL = Reporting Detection Limit
H = Holding time criteria not met
J = Estimated Value
U = Not detected

B = The method blank is $\geq$ the MDL and the sample result is $\geq$ MDL but $\leq$ 5 times the method blank
--- = not applicable

UA = Not detected; the RDL is used as the nondetect sample value.

Table B1-3. Conventional, Arsenic, and Organic Chemical Results for Sunday Creek (SC319) - Baseflow
King County Environmental Lab Analytical Report

Locator: Descrip: Sample: Matrix: Collect Date: Time Span:	SC319 SUNDAY CREEK L58657-1 LK FRESH WTR 09/04/13 2						SC319 SUNDAY CREEK L58688-1 LK FRESH WTR 09/10/13 2						
	Parameters	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units
	CV SM2540-D												
	Total Suspended Solids	---	<MDL	U	1	2	mg/L	---	<MDL	U	0.5	1	mg/L
	CV SM5310-B												
	Dissolved Organic Carbon	2.59	J	J	0.5	1	mg/L	0.94	<RDL	J	0.5	1	mg/L
Total Organic Carbon	1.42	J	J	0.5	1	mg/L	0.58	<RDL	J	0.5	1	mg/L	
MT EPA 200.8*SW846 6020A													
Arsenic, Dissolved, ICP-MS	---	<MDL,H	U	0.1	0.5	ug/L	---	<MDL,H	U	0.1	0.5	ug/L	
Arsenic, Total, ICP-MS	---	<MDL	U	0.1	0.5	ug/L	---	<MDL	U	0.1	0.5	ug/L	
OR SW846 3520C*8270D SIM													
2-Methylnaphthalene	0.0015	<RDL,B	UA	0.00062	0.00284	ug/L	0.00073	<RDL,B	UA	0.00061	0.00283	ug/L	
Acenaphthene	0.00078	<RDL,B	UA	0.00033	0.00142	ug/L	0.00041	<RDL,B	UA	0.00033	0.00142	ug/L	
Acenaphthylene	0.00028	<RDL,B	UA	0.00024	0.000474	ug/L	---	<MDL	U	0.00024	0.000472	ug/L	
Anthracene	---	<MDL	U	0.00024	0.000474	ug/L	---	<MDL	U	0.00024	0.000472	ug/L	
Benzo(a)anthracene	---	<MDL	U	0.00024	0.000474	ug/L	---	<MDL	U	0.00024	0.000472	ug/L	
Benzo(a)pyrene	---	<MDL	U	0.00047	0.000948	ug/L	---	<MDL	U	0.00047	0.000943	ug/L	
Benzo(b,j,k)fluoranthene	---	<MDL	U	0.00047	0.000948	ug/L	---	<MDL	U	0.00047	0.000943	ug/L	
Benzo(g,h,i)perylene	---	<MDL	U	0.00028	0.000948	ug/L	---	<MDL	U	0.00028	0.000943	ug/L	
Chrysene	---	<MDL	U	0.00024	0.000474	ug/L	---	<MDL	U	0.00024	0.000472	ug/L	
Dibenzo(a,h)anthracene	---	<MDL	U	0.00033	0.000948	ug/L	---	<MDL	U	0.00033	0.000943	ug/L	
Fluoranthene	0.00126	B	U	0.00016	0.000948	ug/L	0.00072	<RDL,B	UA	0.00016	0.000943	ug/L	
Fluorene	0.00105	B	U	0.00024	0.000948	ug/L	0.00051	<RDL,B	UA	0.00024	0.000943	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	<MDL	U	0.00033	0.000948	ug/L	---	<MDL	U	0.00033	0.000943	ug/L	
Naphthalene	0.096	---	---	0.00062	0.00474	ug/L	0.0724	---	---	0.00061	0.00472	ug/L	
Phenanthrene	0.00341	B	U	0.00019	0.0019	ug/L	0.0017	<RDL,B	UA	0.00019	0.00189	ug/L	
Pyrene	0.00051	<RDL,B	UA	0.00024	0.000948	ug/L	0.00034	<RDL,B	UA	0.00024	0.000943	ug/L	

Table B1-3. Conventional, Arsenic, and Organic Chemical Results for Sunday Creek (SC319) - Baseflow
King County Environmental Lab Analytical Report

Parameters	Locator:	SC319				
	Descrip:	SUNDAY CREEK				
	Sample:	L58976-2				
	Matrix:	LK FRESH WTR				
	Collect Date:	10/17/13				
	Time Span:	2				
	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units
CV SM2540-D						
Total Suspended Solids	---	<MDL	U	1	2	mg/L
CV SM5310-B						
Dissolved Organic Carbon	1.03	---	J	0.5	1	mg/L
Total Organic Carbon	0.6	<RDL	J	0.5	1	mg/L
MT EPA 200.8*SW846 6020A						
Arsenic, Dissolved, ICP-MS	---	<MDL,H	U	0.1	0.5	ug/L
Arsenic, Total, ICP-MS	---	<MDL	U	0.1	0.5	ug/L
OR SW846 3520C*8270D SIM						
2-Methylnaphthalene	0.0007	<RDL,B	UA	0.00061	0.00283	ug/L
Acenaphthene	---	<MDL	U	0.00033	0.00142	ug/L
Acenaphthylene	---	<MDL	U	0.00024	0.000472	ug/L
Anthracene	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)anthracene	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)pyrene	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(b,j,k)fluoranthene	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(g,h,i)perylene	---	<MDL	U	0.00028	0.000943	ug/L
Chrysene	---	<MDL	U	0.00024	0.000472	ug/L
Dibenzo(a,h)anthracene	---	<MDL	U	0.00033	0.000943	ug/L
Fluoranthene	0.00042	<RDL,B	UA	0.00016	0.000943	ug/L
Fluorene	0.00033	<RDL	J	0.00024	0.000943	ug/L
Indeno(1,2,3-Cd)Pyrene	---	<MDL	U	0.00033	0.000943	ug/L
Naphthalene	0.0169	B3	---	0.00061	0.00472	ug/L
Phenanthrene	0.00084	<RDL,B	UA	0.00019	0.00189	ug/L
Pyrene	0.00026	<RDL,B	UA	0.00024	0.000943	ug/L

MDL = Method Detection Limit
RDL = Reporting Detection Limit
H = Holding time criteria not met
J = Estimated Value
U = Not detected

B = The method blank is $\geq$ the MDL and the sample result is $\geq$ MDL but $\leq$ 5 times the method blank
--- = not applicable

B3 = The method blank is $\geq$ the MDL and the sample result is $\geq$ MDL but $\leq$ 10 times the method blank

UA = Not detected; the RDL is used as the nondetect sample value.

Table B1-5. Conventional, Arsenic, and Organic Chemical Results for Sunday Creek (SC319) - Storm Events
King County Environmental Lab Analytical Report

Parameters	Locator:	SC319					SC319					
	Descrip:	SUNDAY CREEK					SUNDAY CREEK					
	Sample:	L58861-2					L59148-2					
	Matrix:	LG STORM WTR					LG STORM WTR					
	Collect Date:	10/01/13					11/07/13					
	Time Span:	2					2					
	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units
CV SM2540-D												
Total Suspended Solids	---	<MDL	U	1	2	mg/L	1.4	---	---	0.5	1	mg/L
CV SM5310-B												
Dissolved Organic Carbon	1.84	---	---	0.5	1	mg/L	1.43	---	---	0.5	1	mg/L
Total Organic Carbon	1.82	---	---	0.5	1	mg/L	1.16	---	---	0.5	1	mg/L
MT EPA 200.8*SW846 6020A												
Arsenic, Dissolved, ICP-MS	---	<MDL,H	U	0.1	0.5	ug/L	0.11	<RDL,H	J	0.1	0.5	ug/L
Arsenic, Total, ICP-MS	---	<MDL	U	0.1	0.5	ug/L	0.1	<RDL	J	0.1	0.5	ug/L
OR SW846 3520C*8270D SIM												
2-Methylnaphthalene	---	<MDL	U	0.00063	0.00288	ug/L	---	<MDL	U	0.00061	0.00283	ug/L
Acenaphthene	---	<MDL	U	0.00034	0.00144	ug/L	---	<MDL	U	0.00033	0.00142	ug/L
Acenaphthylene	---	<MDL	U	0.00024	0.000481	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Anthracene	---	<MDL	U	0.00024	0.000481	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)anthracene	---	<MDL	U	0.00024	0.000481	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)pyrene	---	<MDL	U	0.00048	0.000962	ug/L	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(b,j,k)fluoranthene	---	<MDL	U	0.00048	0.000962	ug/L	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(g,h,i)perylene	---	<MDL	U	0.00029	0.000962	ug/L	---	<MDL	U	0.00028	0.000943	ug/L
Chrysene	---	<MDL	U	0.00024	0.000481	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Dibenzo(a,h)anthracene	---	<MDL	U	0.00034	0.000962	ug/L	---	<MDL	U	0.00033	0.000943	ug/L
Fluoranthene	0.0003	<RDL	J	0.00016	0.000962	ug/L	0.00052	<RDL,B	UA	0.00016	0.000943	ug/L
Fluorene	---	<MDL	U	0.00024	0.000962	ug/L	---	<MDL	U	0.00024	0.000943	ug/L
Indeno(1,2,3-Cd)Pyrene	---	<MDL	U	0.00034	0.000962	ug/L	---	<MDL	U	0.00033	0.000943	ug/L
Naphthalene	0.0321	---	---	0.00063	0.00481	ug/L	0.0613	---	---	0.00061	0.00472	ug/L
Phenanthrene	0.00048	<RDL,B	UA	0.00019	0.00192	ug/L	0.0008	<RDL,B	UA	0.00019	0.00189	ug/L
Pyrene	---	<MDL	U	0.00024	0.000962	ug/L	---	<MDL	U	0.00024	0.000943	ug/L

Table B1-5. Conventional, Arsenic, and Organic Chemical Results for Sunday Creek (SC319) - Storm Events
King County Environmental Lab Analytical Report

Parameters	Locator:	SC319					SC319
	Descrip:	SUNDAY CREEK					SUNDAY CREEK
	Sample:	L59148-3					L59240-2
	Matrix:	LG STORM WTR					LG STORM WTR
	Collect Date:	11/07/13					11/19/13
	Time Span:	2					2
		<i>Field Replicate of L59148-2</i>					
		Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units
CV SM2540-D							
Total Suspended Solids		1.3	---	---	0.5	1	mg/L
CV SM5310-B							
Dissolved Organic Carbon		1.42	---	---	0.5	1	mg/L
Total Organic Carbon		1.08	---	---	0.5	1	mg/L
MT EPA 200.8*SW846 6020A							
Arsenic, Dissolved, ICP-MS		---	<MDL,H	U	0.1	0.5	ug/L
Arsenic, Total, ICP-MS		---	<MDL	U	0.1	0.5	ug/L
OR SW846 3520C*8270D SIM							
2-Methylnaphthalene		---	<MDL	U	0.00061	0.00283	ug/L
Acenaphthene		---	<MDL	U	0.00033	0.00142	ug/L
Acenaphthylene		---	<MDL	U	0.00024	0.000472	ug/L
Anthracene		---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)anthracene		---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)pyrene		---	<MDL	U	0.00047	0.000943	ug/L
Benzo(b,j,k)fluoranthene		---	<MDL	U	0.00047	0.000943	ug/L
Benzo(g,h,i)perylene		---	<MDL	U	0.00028	0.000943	ug/L
Chrysene		---	<MDL	U	0.00024	0.000472	ug/L
Dibenzo(a,h)anthracene		---	<MDL	U	0.00033	0.000943	ug/L
Fluoranthene		0.00052	<RDL,B	UA	0.00016	0.000943	ug/L
Fluorene		---	<MDL	U	0.00024	0.000943	ug/L
Indeno(1,2,3-Cd)Pyrene		---	<MDL	U	0.00033	0.000943	ug/L
Naphthalene		0.051	---	---	0.00061	0.00472	ug/L
Phenanthrene		0.00086	<RDL,B	UA	0.00019	0.00189	ug/L
Pyrene		---	<MDL	U	0.00024	0.000943	ug/L

MDL = Method Detection Limit
RDL = Reporting Detection Limit
H = Holding time criteria not met
J = Estimated Value
U = Not detected

B = The method blank is $\geq$ the MDL and the sample result is $\geq$ MDL but $\leq$ 5 times the method blank
--- = not applicable

B3 = The method blank is $\geq$ the MDL and the sample result is $\geq$ MDL but $\leq$ 10 times the method blank

UA = Not detected; the RDL is used as the nondetect sample value.

Table B1-5. Conventional, Arsenic, and Organic Chemical Results for Green River Mainstem (KP319) - Baseflow
King County Environmental Lab Analytical Report

Parameters	Locator:	KP319					KP319					
	Descrip:	GREEN RIVER MAINSTEM					GREEN RIVER MAINSTEM					
	Sample:	L58246-1					L58708-1					
	Matrix:	LK FRESH WTR					LK FRESH WTR					
	Collect Date:	07/10/13					09/10/13					
	Time Span:	24					24					
	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units
CV SM2540-D												
Total Suspended Solids	1.8	<RDL	J	1	2	mg/L	0.8	<RDL	J	0.5	1	mg/L
CV SM5310-B												
Dissolved Organic Carbon	1.55	---	---	0.5	1	mg/L	1.08	---	---	0.5	1	mg/L
Total Organic Carbon	1.48	---	---	0.5	1	mg/L	1.3	---	---	0.5	1	mg/L
MT EPA 200.8*SW846 6020A												
Arsenic, Dissolved, ICP-MS	0.623	H	J	0.1	0.5	ug/L	0.881	H	J	0.1	0.5	ug/L
Arsenic, Total, ICP-MS	0.66	---	---	0.1	0.5	ug/L	0.918	---	---	0.1	0.5	ug/L
OR SW846 3520C*8270D SIM												
2-Methylnaphthalene	0.0021	<RDL,B	UA	0.00061	0.00283	ug/L	0.0013	<RDL,B	UA	0.00061	0.00283	ug/L
Acenaphthene	0.00068	<RDL	J	0.00033	0.00142	ug/L	0.00097	<RDL,B	UA	0.00033	0.00142	ug/L
Acenaphthylene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Anthracene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)anthracene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)pyrene	---	<MDL	U	0.00047	0.000943	ug/L	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(b,j,k)fluoranthene	---	<MDL	U	0.00047	0.000943	ug/L	0.00057	<RDL	J	0.00047	0.000943	ug/L
Benzo(g,h,i)perylene	---	<MDL	U	0.00028	0.000943	ug/L	---	<MDL	U	0.00028	0.000943	ug/L
Chrysene	---	<MDL	U	0.00024	0.000472	ug/L	0.0004	<RDL	J	0.00024	0.000472	ug/L
Dibenzo(a,h)anthracene	---	<MDL	U	0.00033	0.000943	ug/L	---	<MDL	U	0.00033	0.000943	ug/L
Fluoranthene	0.00063	<RDL,B	UA	0.00016	0.000943	ug/L	0.00159	B	U	0.00016	0.000943	ug/L
Fluorene	0.00088	<RDL,B	UA	0.00024	0.000943	ug/L	0.00091	<RDL,B	UA	0.00024	0.000943	ug/L
Indeno(1,2,3-Cd)Pyrene	---	<MDL	U	0.00033	0.000943	ug/L	---	<MDL	U	0.00033	0.000943	ug/L
Naphthalene	0.0209	---	---	0.00061	0.00472	ug/L	0.0205	B3	---	0.00061	0.00472	ug/L
Phenanthrene	0.0017	<RDL,B	UA	0.00019	0.00189	ug/L	0.00265	B	U	0.00019	0.00189	ug/L
Pyrene	0.00029	<RDL,B	UA	0.00024	0.000943	ug/L	0.00086	<RDL,B	UA	0.00024	0.000943	ug/L

Table B1-5. Conventional, Arsenic, and Organic Chemical Results for Green River Mainstem (KP319) - Baseflow
King County Environmental Lab Analytical Report

Parameters	Locator:	KP319				
	Descrip:	GREEN RIVER MAINSTEM				
	Sample:	L58791-1				
	Matrix:	LK FRESH WTR				
	Collect Date:	09/19/13				
	Time Span:	24				
	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units
CV SM2540-D						
Total Suspended Solids	2	RDL	J	1	2	mg/L
CV SM5310-B						
Dissolved Organic Carbon	1.24	---	---	0.5	1	mg/L
Total Organic Carbon	1.58	---	---	0.5	1	mg/L
MT EPA 200.8*SW846 6020A						
Arsenic, Dissolved, ICP-MS	0.763	H	J	0.1	0.5	ug/L
Arsenic, Total, ICP-MS	0.819	---	---	0.1	0.5	ug/L
OR SW846 3520C*8270D SIM						
2-Methylnaphthalene	0.0014	<RDL,B	UA	0.00061	0.00283	ug/L
Acenaphthene	0.00067	<RDL	J	0.00033	0.00142	ug/L
Acenaphthylene	0.00026	<RDL	J	0.00024	0.000472	ug/L
Anthracene	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)anthracene	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)pyrene	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(b,j,k)fluoranthene	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(g,h,i)perylene	---	<MDL	U	0.00028	0.000943	ug/L
Chrysene	---	<MDL	U	0.00024	0.000472	ug/L
Dibenzo(a,h)anthracene	---	<MDL	U	0.00033	0.000943	ug/L
Fluoranthene	0.00071	<RDL,B	UA	0.00016	0.000943	ug/L
Fluorene	0.00078	<RDL,B	UA	0.00024	0.000943	ug/L
Indeno(1,2,3-Cd)Pyrene	---	<MDL	U	0.00033	0.000943	ug/L
Naphthalene	0.0453	---	J	0.00061	0.00472	ug/L
Phenanthrene	0.00203	B	U	0.00019	0.00189	ug/L
Pyrene	0.00031	<RDL,B	UA	0.00024	0.000943	ug/L

MDL = Method Detection Limit
RDL = Reporting Detection Limit
H = Holding time criteria not met
J = Estimated Value
U = Not detected

B = The method blank is $\geq$ the MDL and the sample result is $\geq$ MDL but $\leq$ 5 times the method blank
--- = not applicable

B3 = The method blank is $\geq$ the MDL and the sample result is $\geq$ MDL but $\leq$ 10 times the method blank

UA = Not detected; the RDL is used as the nondetect sample value.

Table B1-6. Conventional, Arsenic, and Organic Chemical Results for Green River Mainstem (KP319) - Storm Events
King County Environmental Lab Analytical Report

Parameters	Locator:	KP319					KP319					
	Descrip:	GREEN RIVER MAINSTEM					GREEN RIVER MAINSTEM					
	Sample:	L57715-1					L57751-1					
	Matrix:	LG STORM WTR					LG STORM WTR					
	Collect Date:	04/04/13					04/10/13					
	Time Span:	23.5					23.5					
	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units
CV SM2540-D												
Total Suspended Solids	1.6	<RDL	J	1	2	mg/L	1.2	<RDL	J	1	2	mg/L
CV SM5310-B												
Dissolved Organic Carbon	0.86	<RDL	J	0.5	1	mg/L	1.16	---	---	0.5	1	mg/L
Total Organic Carbon	1.31	---	---	0.5	1	mg/L	1.56	---	---	0.5	1	mg/L
MT EPA 200.8*SW846 6020A												
Arsenic, Dissolved, ICP-MS	0.23	<RDL,H	J	0.1	0.5	ug/L	0.23	<RDL,H	J	0.1	0.5	ug/L
Arsenic, Total, ICP-MS	0.26	<RDL	J	0.1	0.5	ug/L	0.27	<RDL	J	0.1	0.5	ug/L
OR SW846 3520C*8270D SIM												
2-Methylnaphthalene	0.0016	<RDL	J	0.00061	0.00283	ug/L	0.00097	<RDL	J	0.00061	0.00283	ug/L
Acenaphthene	0.00048	<RDL	U	0.00033	0.00142	ug/L	---	<MDL	U	0.00033	0.00142	ug/L
Acenaphthylene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Anthracene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)anthracene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)pyrene	---	<MDL	U	0.00047	0.000943	ug/L	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(b,j,k)fluoranthene	---	<MDL	U	0.00047	0.000943	ug/L	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(g,h,i)perylene	---	<MDL	U	0.00028	0.000943	ug/L	---	<MDL	U	0.00028	0.000943	ug/L
Chrysene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Dibenzo(a,h)anthracene	---	<MDL	U	0.00033	0.000943	ug/L	---	<MDL	U	0.00033	0.000943	ug/L
Fluoranthene	0.00042	<RDL,B	UA	0.00016	0.000943	ug/L	0.00065	<RDL,B	UA	0.00016	0.000943	ug/L
Fluorene	0.00064	<RDL	J	0.00024	0.000943	ug/L	0.00062	<RDL	J	0.00024	0.000943	ug/L
Indeno(1,2,3-Cd)Pyrene	---	<MDL	U	0.00033	0.000943	ug/L	---	<MDL	U	0.00033	0.000943	ug/L
Naphthalene	0.0207	---	---	0.00061	0.00472	ug/L	0.0456	---	---	0.00061	0.00472	ug/L
Phenanthrene	0.001	<RDL,B	UA	0.00019	0.00189	ug/L	0.0013	<RDL,B	UA	0.00019	0.00189	ug/L
Pyrene	---	<MDL	U	0.00024	0.000943	ug/L	0.00032	<RDL,B	UA	0.00024	0.000943	ug/L

Table B1-6. Conventional, Arsenic, and Organic Chemical Results for Green River Mainstem (KP319) - Storm Events
King County Environmental Lab Analytical Report

Parameters	Locator:	KP319					KP319					
	Descrip:	GREEN RIVER MAINSTEM					GREEN RIVER MAINSTEM					
	Sample:	L57772-1					L59149-1					
	Matrix:	LG STORM WTR					LG STORM WTR					
	Collect Date:	04/18/13					11/06/13					
	Time Span:	23.5					24					
	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units
CV SM2540-D												
Total Suspended Solids	1.6	<RDL	J	1	2	mg/L	5.6	---	---	1	2	mg/L
CV SM5310-B												
Dissolved Organic Carbon	1.09	---	---	0.5	1	mg/L	1.09	---	---	0.5	1	mg/L
Total Organic Carbon	1.09	---	---	0.5	1	mg/L	1.33	---	---	0.5	1	mg/L
MT EPA 200.8*SW846 6020A												
Arsenic, Dissolved, ICP-MS	0.29	<RDL,H	J	0.1	0.5	ug/L	0.39	<RDL,H	J	0.1	0.5	ug/L
Arsenic, Total, ICP-MS	0.3	<RDL	J	0.1	0.5	ug/L	0.46	<RDL	J	0.1	0.5	ug/L
OR SW846 3520C*8270D SIM												
2-Methylnaphthalene	0.0013	<RDL,B	UA	0.00061	0.00283	ug/L	0.00095	<RDL	J	0.00061	0.00283	ug/L
Acenaphthene	0.00042	<RDL	J	0.00033	0.00142	ug/L	0.00041	<RDL	J	0.00033	0.00142	ug/L
Acenaphthylene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Anthracene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)anthracene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)pyrene	---	<MDL	U	0.00047	0.000943	ug/L	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(b,j,k)fluoranthene	---	<MDL	U	0.00047	0.000943	ug/L	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(g,h,i)perylene	---	<MDL	U	0.00028	0.000943	ug/L	---	<MDL	U	0.00028	0.000943	ug/L
Chrysene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000472	ug/L
Dibenzo(a,h)anthracene	---	<MDL	U	0.00033	0.000943	ug/L	---	<MDL	U	0.00033	0.000943	ug/L
Fluoranthene	0.00078	<RDL,B	UA	0.00016	0.000943	ug/L	0.00091	<RDL,B	UA	0.00016	0.000943	ug/L
Fluorene	0.00067	<RDL,B	UA	0.00024	0.000943	ug/L	0.00056	<RDL	J	0.00024	0.000943	ug/L
Indeno(1,2,3-Cd)Pyrene	---	<MDL	U	0.00033	0.000943	ug/L	---	<MDL	U	0.00033	0.000943	ug/L
Naphthalene	0.0192	J	J	0.00061	0.00472	ug/L	0.0211	---	---	0.00061	0.00472	ug/L
Phenanthrene	0.0015	<RDL,B	UA	0.00019	0.00189	ug/L	0.0014	<RDL,B	UA	0.00019	0.00189	ug/L
Pyrene	---	<MDL	U	0.00024	0.000943	ug/L	---	<MDL	U	0.00024	0.000943	ug/L

Table B1-6. Conventional, Arsenic, and Organic Chemical Results for Green River Mainstem (KP319) - Storm Events
King County Environmental Lab Analytical Report

Parameters	Locator:	KP319					KP319					
	Descrip:	GREEN RIVER MAINSTEM					GREEN RIVER MAINSTEM					
	Sample:	L59239-1					L59470-1					
	Matrix:	LG STORM WTR					LG STORM WTR					
	Collect Date:	11/18/13					01/08/14					
	Time Span:	24					23.5					
	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units
CV SM2540-D												
Total Suspended Solids	17.2	---	---	0.5	1	mg/L	9.8	---	---	1	2	mg/L
CV SM5310-B												
Dissolved Organic Carbon	1.71	---	---	0.5	1	mg/L	0.86	<RDL	J	0.5	1	mg/L
Total Organic Carbon	1.89	---	---	0.5	1	mg/L	1.1	---	---	0.5	1	mg/L
MT EPA 200.8*SW846 6020A												
Arsenic, Dissolved, ICP-MS	0.27	<RDL,H	J	0.1	0.5	ug/L	0.36	<RDL,H	J	0.1	0.5	ug/L
Arsenic, Total, ICP-MS	0.49	<RDL	J	0.1	0.5	ug/L	0.5	<RDL	J	0.1	0.5	ug/L
OR SW846 3520C*8270D SIM												
2-Methylnaphthalene	0.0013	<RDL,B	UA	0.00061	0.00283	ug/L	0.0014	<RDL	J	0.00062	0.00286	ug/L
Acenaphthene	0.00046	<RDL	J	0.00033	0.00142	ug/L	0.00045	<RDL	J	0.00033	0.00143	ug/L
Acenaphthylene	---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000476	ug/L
Anthracene	0.00027	<RDL	J	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000476	ug/L
Benzo(a)anthracene	0.000824	---	---	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000476	ug/L
Benzo(a)pyrene	0.00073	<RDL	J	0.00047	0.000943	ug/L	---	<MDL	U	0.00048	0.000952	ug/L
Benzo(b,j,k)fluoranthene	0.00202	---	---	0.00047	0.000943	ug/L	---	<MDL	U	0.00048	0.000952	ug/L
Benzo(g,h,i)perylene	0.00071	<RDL	J	0.00028	0.000943	ug/L	---	<MDL	U	0.00029	0.000952	ug/L
Chrysene	0.000819	---	---	0.00024	0.000472	ug/L	0.00024	<RDL	J	0.00024	0.000476	ug/L
Dibenzo(a,h)anthracene	0.00053	<RDL	J	0.00033	0.000943	ug/L	---	<MDL	U	0.00033	0.000952	ug/L
Fluoranthene	0.00124	B	U	0.00016	0.000943	ug/L	0.00078	<RDL,B	UA	0.00016	0.000952	ug/L
Fluorene	0.00065	<RDL	J	0.00024	0.000943	ug/L	0.00058	<RDL	J	0.00024	0.000952	ug/L
Indeno(1,2,3-Cd)Pyrene	0.0009	<RDL	J	0.00033	0.000943	ug/L	---	<MDL	U	0.00033	0.000952	ug/L
Naphthalene	0.0222	J	---	0.00061	0.00472	ug/L	0.0296	---	---	0.00062	0.00476	ug/L
Phenanthrene	0.00206	B	U	0.00019	0.00189	ug/L	0.0015	<RDL,B	UA	0.00019	0.0019	ug/L
Pyrene	0.00084	<RDL,B	UA	0.00024	0.000943	ug/L	0.00057	<RDL,B	UA	0.00024	0.000952	ug/L

Table B1-6. Conventional, Arsenic, and Organic Chemical Results for Green River Mainstem (KP319) - Storm Events
King County Environmental Lab Analytical Report

Parameters	Locator:	KP319 GREEN RIVER MAINSTEM L59470-2 LG STORM WTR 01/08/14 23.5					Field Replicate of L59470-1						KP319 GREEN RIVER MAINSTEM L59595-1 LG STORM WTR 01/29/14 23.5
	Descrip: Sample: Matrix: Collect Date: Time Span:	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units
CV SM2540-D													
Total Suspended Solids		12.7	---	---	0.5	1.1	mg/L	6.6	---	---	1	2	mg/L
CV SM5310-B													
Dissolved Organic Carbon		0.98	<RDL	J	0.5	1	mg/L	1.23	---	---	0.5	1	mg/L
Total Organic Carbon		1.05	---	---	0.5	1	mg/L	1.08	---	---	0.5	1	mg/L
MT EPA 200.8*SW846 6020A													
Arsenic, Dissolved, ICP-MS		0.34	<RDL,H	J	0.1	0.5	ug/L	0.33	<RDL,H	J	0.1	0.5	ug/L
Arsenic, Total, ICP-MS		0.49	<RDL	J	0.1	0.5	ug/L	0.37	<RDL	J	0.1	0.5	ug/L
OR SW846 3520C*8270D SIM													
2-Methylnaphthalene		0.0016	<RDL	J	0.00061	0.00283	ug/L	0.0019	<RDL,B	UA	0.00062	0.00286	ug/L
Acenaphthene		0.00039	<RDL	J	0.00033	0.00142	ug/L	0.00052	<RDL	J	0.00033	0.00143	ug/L
Acenaphthylene		---	<MDL	U	0.00024	0.000472	ug/L	0.00025	<RDL	J	0.00024	0.000476	ug/L
Anthracene		---	<MDL	U	0.00024	0.000472	ug/L	---	<MDL	U	0.00024	0.000476	ug/L
Benzo(a)anthracene		---	<MDL	U	0.00024	0.000472	ug/L	0.00044	<RDL	J	0.00024	0.000476	ug/L
Benzo(a)pyrene		---	<MDL	U	0.00047	0.000943	ug/L	---	<MDL	U	0.00048	0.000952	ug/L
Benzo(b,j,k)fluoranthene		---	<MDL	U	0.00047	0.000943	ug/L	0.00066	<RDL	J	0.00048	0.000952	ug/L
Benzo(g,h,i)perylene		---	<MDL	U	0.00028	0.000943	ug/L	---	<MDL	U	0.00029	0.000952	ug/L
Chrysene		---	<MDL	U	0.00024	0.000472	ug/L	0.000912	---	---	0.00024	0.000476	ug/L
Dibenzo(a,h)anthracene		---	<MDL	U	0.00033	0.000943	ug/L	---	<MDL	U	0.00033	0.000952	ug/L
Fluoranthene		0.000951	B	U	0.00016	0.000943	ug/L	0.0013	B	U	0.00016	0.000952	ug/L
Fluorene		0.0006	<RDL	J	0.00024	0.000943	ug/L	0.00082	<RDL,B	UA	0.00024	0.000952	ug/L
Indeno(1,2,3-Cd)Pyrene		---	<MDL	U	0.00033	0.000943	ug/L	---	<MDL	U	0.00033	0.000952	ug/L
Naphthalene		0.0475	---	---	0.00061	0.00472	ug/L	0.114	JL	J	0.00062	0.00476	ug/L
Phenanthrene		0.0018	<RDL,B	UA	0.00019	0.00189	ug/L	0.00207	B	U	0.00019	0.0019	ug/L
Pyrene		0.00056	<RDL,B	UA	0.00024	0.000943	ug/L	0.00089	<RDL,B	UA	0.00024	0.000952	ug/L

MDL = Method Detection Limit

RDL = Reporting Detection Limit

H = Holding time criteria not met

J = Estimated Value

U = Not detected

B = The method blank is ≥ the MDL and

the sample result is ≥ MDL but

≤ 5 times the method blank

--- = not applicable

UA = Not detected; the RDL is used as

the nondetect sample value.

Table B1-7. Conventional, Arsenic, and Organic Chemical Results for Equipment Blank (ISCO® Autosampler)
King County Environmental Lab Analytical Report

Parameters	Locator:	EQUIPBLANK				
	Descrip:	EQUIPMENT BLANK				
	Sample:	L57794-1				
	Matrix:	LN BLANK WTR				
	Collect Date:	04/23/13				
	Time Span:	---				
	Value	Lab Qualifier	Validation Qualifier	MDL	RDL	Units
CV SM2540-D						
Total Suspended Solids	---	<MDL	U	0.5	1	mg/L
CV SM5310-B						
Dissolved Organic Carbon	---	<MDL	U	0.5	1	mg/L
Total Organic Carbon	---	<MDL	U	0.5	1	mg/L
MT EPA 200.8*SW846 6020A						
Arsenic, Dissolved, ICP-MS	---	<MDL,H	U	0.1	0.5	ug/L
Arsenic, Total, ICP-MS	---	<MDL	U	0.1	0.5	ug/L
OR SW846 3520C*8270D SIM						
2-Methylnaphthalene	0.0011	<RDL,B	UA	0.00061	0.00283	ug/L
Acenaphthene	---	<MDL	U	0.00033	0.00142	ug/L
Acenaphthylene	---	<MDL	U	0.00024	0.000472	ug/L
Anthracene	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)anthracene	---	<MDL	U	0.00024	0.000472	ug/L
Benzo(a)pyrene	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(b,j,k)fluoranthene	---	<MDL	U	0.00047	0.000943	ug/L
Benzo(g,h,i)perylene	---	<MDL	U	0.00028	0.000943	ug/L
Chrysene	---	<MDL	U	0.00024	0.000472	ug/L
Dibenzo(a,h)anthracene	---	<MDL	U	0.00033	0.000943	ug/L
Fluoranthene	0.00047	<RDL,B	UA	0.00016	0.000943	ug/L
Fluorene	0.00043	<RDL,B	UA	0.00024	0.000943	ug/L
Indeno(1,2,3-Cd)Pyrene	---	<MDL	U	0.00033	0.000943	ug/L
Naphthalene	0.0121	B3,J	---	0.00061	0.00472	ug/L
Phenanthrene	0.0015	<RDL,B	UA	0.00019	0.00189	ug/L
Pyrene	0.00041	<RDL,B	UA	0.00024	0.000943	ug/L

MDL = Method Detection Limit
RDL = Reporting Detection Limit
H = Holding time criteria not met
J = Estimated Value
U = Not detected

B = The method blank is ≥ the MDL and the sample result is ≥ MDL but ≤ 5 times the method blank
--- = not applicable

B3 = The method blank is ≥ the MDL and the sample result is ≥ MDL but ≤ 10 times the method blank

UA = Not detected; the RDL is used as the nondetect sample value.

Appendix B2 - Upper and Middle Green River PCB Congeners AXYS Analytical Data

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

Table B2-7. PCB Congener AXYS Analytical Data for Equipment Blank (ISCO® Autosampler)

TABLE NOTES

B = Detected in Method Blank

C = Coelution

C# = Coelution with #, concentration listed under #

D = Sample Dilution

G = Lock Mass Interference

J = Estimated Value

K = Did not meet all parameter identification criteria. Value is estimated maximum potential concentration and was requalified as non-detect.

U = Not Detected

UJ = Not Detected, Estimated Value

R1 = This qualifier was added post-validation to identify coeluting groups that are heavily influenced by contamination from silicone tubing used with autosamplers. These congeners were not included in total PCB calculations.

Conc = Concentration

Lab Qual = Laboratory Qualifier

SDL = Sample Detection Limit

Val Qual = Validation Qualifier

— = Not Applicable

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58657-2
 Collection Date 04-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	1.17	K B J	U	0.698
3-MoCB	2	---	0.984	K B J	U	0.808
4-MoCB	3	---	2.58	K B J	U	0.801
2,2'-DiCB	4	---	---	U	---	7.44
2,3-DiCB	5	---	---	U	---	5.45
2,3'-DiCB	6	---	---	U	---	4.89
2,4-DiCB	7	---	---	U	---	4.99
2,4'-DiCB	8	---	---	U	---	4.5
2,5-DiCB	9	---	---	U	---	4.86
2,6-DiCB	10	---	---	U	---	5.03
3,3'-DiCB	11	---	8.97	B J	U	5.31
3,4-DiCB	12	12 + 13	---	C U	---	5.36
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	5.01
4,4'-DiCB	15	---	---	U	---	5.7
2,2',3-TriCB	16	---	---	U	---	1.72
2,2',4-TriCB	17	---	---	U	---	1.44
2,2',5-TriCB	18	18 + 30	2.27	C B J	---	1.18
2,2',6-TriCB	19	---	---	U	---	1.57
2,3,3'-TriCB	20	20 + 28	3.99	C B J	U	0.768
2,3,4-TriCB	21	21 + 33	1.67	C K B J	U	0.755
2,3,4'-TriCB	22	---	1.44	B J	---	0.843
2,3,5-TriCB	23	---	---	U	---	0.821
2,3,6-TriCB	24	---	---	U	---	1.02
2,3',4-TriCB	25	---	---	U	---	0.666
2,3',5-TriCB	26	26 + 29	---	C U	---	0.774
2,3',6-TriCB	27	---	---	U	---	0.994
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.38	B J	U	0.726
2,4',6-TriCB	32	---	0.857	B J	---	0.724
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.779
3,3',4-TriCB	35	---	---	U	---	0.854
3,3',5-TriCB	36	---	---	U	---	0.766
3,4,4'-TriCB	37	---	1.07	B J	U	0.84
3,4,5-TriCB	38	---	---	U	---	0.815
3,4',5-TriCB	39	---	---	U	---	0.783
2,2',3,3'-TeCB	40	40 + 41 + 71	1.92	C B J	---	1.15
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	1.23
2,2',3,5-TeCB	43	---	---	U	---	1.41
2,2',3,5'-TeCB	44	44 + 47 + 65	11.8	C B J	U, R1	1.05
2,2',3,6-TeCB	45	45 + 51	2.77	C B J	U, R1	1.13
2,2',3,6'-TeCB	46	---	---	U	---	1.33
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	1.16

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58657-2
 Collection Date 04-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	1.91	C B J	U	0.964
2,2',4,6-TeCB	50	50 + 53	---	C U	---	1.1
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	3.03	B J	---	1.06
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.982
2,3,3',4-TeCB	55	---	---	U	---	0.834
2,3,3',4'-TeCB	56	---	1.04	K B J	U	0.825
2,3,3',5-TeCB	57	---	---	U	---	0.756
2,3,3',5'-TeCB	58	---	---	U	---	0.776
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.855
2,3,4,4'-TeCB	60	---	---	U	---	0.823
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	3.86	C B J	U	0.779
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	0.75
2,3,4',6-TeCB	64	---	---	U	---	0.824
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	1.85	K B J	U	0.725
2,3',4,5-TeCB	67	---	---	U	---	0.674
2,3',4,5'-TeCB	68	---	4.38	J	R1	0.7
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.7
2,3',5',6-TeCB	73	---	---	U	---	0.841
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	0.824
3,3',4,5-TeCB	78	---	---	U	---	0.884
3,3',4,5'-TeCB	79	---	---	U	---	0.773
3,3',5,5'-TeCB	80	---	---	U	---	0.738
3,4,4',5-TeCB	81	---	---	U	---	0.898
2,2',3,3',4-PeCB	82	---	---	U	---	1.58
2,2',3,3',5-PeCB	83	83 + 99	---	C U	---	1.31
2,2',3,3',6-PeCB	84	---	---	U	---	1.45
2,2',3,4,4'-PeCB	85	85 + 116 + 117	---	C U	---	1.16
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	1.65	C K B J	U	1.2
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	1.27
2,2',3,4,6'-PeCB	89	---	---	U	---	1.34
2,2',3,4',5-PeCB	90	90 + 101 + 113	2.05	C K B J	U	1.18
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.27
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	1.64	C K B J	U	1.22
2,2',3,5,6'-PeCB	94	---	---	U	---	1.34
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.896

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58657-2
 Collection Date 04-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	1.09
2,2',4,6,6'-PeCB	104	---	---	U	---	1.14
2,3,3',4,4'-PeCB	105	---	1.08	K B J	U	1.02
2,3,3',4,5-PeCB	106	---	---	U	---	1.09
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	1.19
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	1.09
2,3,3',4',6-PeCB	110	110 + 115	2.33	C B J	---	1.02
2,3,3',5,5'-PeCB	111	---	---	U	---	1.07
2,3,3',5,6-PeCB	112	---	---	U	---	0.996
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	1.06
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	1.79	B J	U	1.05
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	1.01
2,3',4,5',6-PeCB	121	---	---	U	---	0.954
2',3,3',4,5-PeCB	122	---	---	U	---	1.31
2',3,4,4',5-PeCB	123	---	---	U	---	1.08
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	1.15
3,3',4,5,5'-PeCB	127	---	---	U	---	1.24
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.49
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	3.18	C K B J	U	1.45
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.91
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.68
2,2',3,3',4,6'-HxCB	132	---	---	U	---	1.82
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.69
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.58
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	1.54	C K B J	U	1.33
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.923
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.79
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.41
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.66
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.74
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.34

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58657-2
 Collection Date 04-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.995
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.51
2,2',3,4',5,6-HxCB	147	147 + 149	2.05	C B J	U	1.45
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.36
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.944
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.922
2,2',4,4',5,5'-HxCB	153	153 + 168	3.24	C B J	U	1.27
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.974
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	1.35
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	1.12
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1.18
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	1.18
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.24
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	1.27
2,3,3',5,5',6-HxCB	165	---	---	U	---	1.4
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.987
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	1.09
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	1.62
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	1.7
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.71
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.58
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	1.5
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	1.13
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	1.55
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	1.53
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	1.04
2,2',3,4,4',5,5'-HpCB	180	180 + 193	1.59	C B J	U	1.25
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	1.58
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.56
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	1.52
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	1.07
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	1.21
2,2',3,4',5,5',6-HpCB	187	---	---	U	---	1.46
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	1
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	1.27
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	1.18
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	1.19
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	1.35

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58657-2
 Collection Date 04-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.57
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.7
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.44
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	1.08
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.52
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	1.1
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	1.1
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.42
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	1.11
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	1.27
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	2.15
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.63
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.71
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	1.54	K B J	U	1.43
Total PCB		---	11.8	---	J	---

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58688-2
 Collection Date 10-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	2.12	B J	J	1.71
3-MoCB	2	---	2.3	K B J	UJ	1.49
4-MoCB	3	---	4.35	K B J	U	1.11
2,2'-DiCB	4	---	---	U	---	3.05
2,3-DiCB	5	---	---	U	---	1.76
2,3'-DiCB	6	---	---	U	---	1.55
2,4-DiCB	7	---	3.14	B J	U	1.56
2,4'-DiCB	8	---	1.46	K B J	U	1.4
2,5-DiCB	9	---	---	U	---	1.52
2,6-DiCB	10	---	---	U	---	1.52
3,3'-DiCB	11	---	13.5	B J	U	1.71
3,4-DiCB	12	12 + 13	---	C U	---	1.71
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	1.57
4,4'-DiCB	15	---	---	U	---	1.61
2,2',3-TriCB	16	---	---	U	---	1.05
2,2',4-TriCB	17	---	1.12	K B J	U	0.978
2,2',5-TriCB	18	18 + 30	2.09	C K B J	U	0.782
2,2',6-TriCB	19	---	---	U	---	1.2
2,3,3'-TriCB	20	20 + 28	3.97	C B J	U	0.596
2,3,4-TriCB	21	21 + 33	1.6	C B J	---	0.575
2,3,4'-TriCB	22	---	1.74	B J	---	0.686
2,3,5-TriCB	23	---	---	U	---	0.634
2,3,6-TriCB	24	---	---	U	---	0.714
2,3',4-TriCB	25	---	---	U	---	0.523
2,3',5-TriCB	26	26 + 29	---	C U	---	0.608
2,3',6-TriCB	27	---	---	U	---	0.649
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.73	B J	U	0.565
2,4',6-TriCB	32	---	0.897	B J	---	0.559
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.609
3,3',4-TriCB	35	---	---	U	---	0.715
3,3',5-TriCB	36	---	---	U	---	0.614
3,4,4'-TriCB	37	---	1.27	B J	U	0.628
3,4,5-TriCB	38	---	---	U	---	0.616
3,4',5-TriCB	39	---	---	U	---	0.626
2,2',3,3'-TeCB	40	40 + 41 + 71	2.56	C B J	---	1.12
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	1.13
2,2',3,5-TeCB	43	---	---	U	---	1.23
2,2',3,5'-TeCB	44	44 + 47 + 65	12.3	C B J	U, R1	0.999
2,2',3,6-TeCB	45	45 + 51	5.8	C B J	R1	1.07
2,2',3,6'-TeCB	46	---	---	U	---	1.27
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	1.12

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58688-2
 Collection Date 10-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	1.82	C K B J	U	0.918
2,2',4,6'-TeCB	50	50 + 53	---	C U	---	1.03
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	3.2	B J	---	0.999
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.803
2,3,3',4'-TeCB	55	---	---	U	---	0.789
2,3,3',4'-TeCB	56	---	1.24	B J	U	0.79
2,3,3',5'-TeCB	57	---	---	U	---	0.717
2,3,3',5'-TeCB	58	---	---	U	---	0.734
2,3,3',6'-TeCB	59	59 + 62 + 75	---	C U	---	0.814
2,3,4,4'-TeCB	60	---	1.03	B J	U	0.794
2,3,4,5'-TeCB	61	61 + 70 + 74 + 76	5.07	C B J	U	0.717
2,3,4,6'-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5'-TeCB	63	---	---	U	---	0.694
2,3,4',6'-TeCB	64	---	1.42	B J	---	0.794
2,3,5,6'-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	2.61	K B J	U	0.689
2,3',4,5'-TeCB	67	---	---	U	---	0.612
2,3',4,5'-TeCB	68	---	4.19	J	R1	0.688
2,3',4,6'-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5'-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6'-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.665
2,3',5',6'-TeCB	73	---	---	U	---	0.848
2,4,4',5'-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6'-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5'-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	0.757	K B J	U	0.748
3,3',4,5'-TeCB	78	---	---	U	---	0.793
3,3',4,5'-TeCB	79	---	---	U	---	0.614
3,3',5,5'-TeCB	80	---	---	U	---	0.712
3,4,4',5'-TeCB	81	---	---	U	---	0.779
2,2',3,3',4'-PeCB	82	---	---	U	---	1.45
2,2',3,3',5'-PeCB	83	83 + 99	2.58	C K B J	U	1.27
2,2',3,3',6'-PeCB	84	---	---	U	---	1.43
2,2',3,4,4'-PeCB	85	85 + 116 + 117	1.21	C B J	U	1.08
2,2',3,4,5'-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	3.24	C B J	---	1.09
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6'-PeCB	88	88 + 91	1.33	C B J	---	1.25
2,2',3,4,6'-PeCB	89	---	---	U	---	1.33
2,2',3,4',5'-PeCB	90	90 + 101 + 113	4.22	C B J	---	1.08
2,2',3,4',6'-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.27
2,2',3,5,6'-PeCB	93	93 + 95 + 98 + 100 + 102	3.58	C K B J	U	1.2
2,2',3,5,6'-PeCB	94	---	---	U	---	1.35
2,2',3,5',6'-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.749

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58688-2
 Collection Date 10-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	1.06
2,2',4,6,6'-PeCB	104	---	---	U	---	0.771
2,3,3',4,4'-PeCB	105	---	1.3	B J	U	0.759
2,3,3',4,5-PeCB	106	---	---	U	---	0.753
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	0.829
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.751
2,3,3',4',6-PeCB	110	110 + 115	4.18	C B J	---	0.948
2,3,3',5,5'-PeCB	111	---	---	U	---	0.95
2,3,3',5,6-PeCB	112	---	---	U	---	0.933
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	0.8
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	3.06	K B J	U	0.749
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.9
2,3',4,5',6-PeCB	121	---	---	U	---	0.941
2',3,3',4,5-PeCB	122	---	---	U	---	0.886
2',3,4,4',5-PeCB	123	---	---	U	---	0.822
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	0.903
3,3',4,5,5'-PeCB	127	---	---	U	---	0.85
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.17
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	7.99	C B J	U	1.16
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.46
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.33
2,2',3,3',4,6'-HxCB	132	---	2.02	K B J	U	1.42
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.29
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.33
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	2.22	C K B J	U	1.04
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.756
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.38
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.18
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.27
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.35
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.05

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58688-2
 Collection Date 10-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.804
2,2',3,4',5,5'-HxCB	146	---	1.72	K B J	U	1.17
2,2',3,4',5,6-HxCB	147	147 + 149	5.18	C B J	U	1.18
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.04
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.773
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.72
2,2',4,4',5,5'-HxCB	153	153 + 168	8.52	C B J	U	0.995
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.652
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	1.2
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	0.909
2,3,3',4,5,5'-HxCB	159	---	---	U	---	0.968
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	0.919
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.01
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	0.98
2,3,3',5,5',6-HxCB	165	---	---	U	---	1.05
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.869
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	0.96
2,2',3,3',4,4',5-HpCB	170	---	1.98	K B J	U	1.45
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	1.48
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.49
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	1.84	B J	U	1.34
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	1.28
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.934
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	1.39
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	1.33
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.917
2,2',3,4,4',5,5'-HpCB	180	180 + 193	6.19	C B J	U	1.13
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	1.37
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.27
2,2',3,4,4',5',6-HpCB	183	183 + 185	2.33	C K B J	U	1.26
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.9
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.995
2,2',3,4',5,5',6-HpCB	187	---	5.7	K B J	U	1.23
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.863
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	0.733
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	1.11
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	1.06
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	1.2

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58688-2
 Collection Date 10-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	1.56	K B J	U	1.32
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.39
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.25
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	0.892
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	1.4	C K B J	U	1.31
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.87
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	0.935
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.22
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	0.89
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	1.07
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	1.9
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.35
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.41
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	---	U	---	1.25
Total PCB		---	26.5	---	J	---

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG45859

KC Sample ID L58688-3

Collection Date 10-Sep-13

Replicate to L58688-2

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	1.19	B J	---	0.497
3-MoCB	2	---	1.4	B J	---	0.497
4-MoCB	3	---	2.43	K B J	U	0.497
2,2'-DiCB	4	---	---	U	---	2.25
2,3-DiCB	5	---	---	U	---	1.65
2,3'-DiCB	6	---	---	U	---	1.45
2,4-DiCB	7	---	---	U	---	1.47
2,4'-DiCB	8	---	1.76	K B J	U	1.31
2,5-DiCB	9	---	---	U	---	1.42
2,6-DiCB	10	---	---	U	---	1.43
3,3'-DiCB	11	---	15	B J	U	1.6
3,4-DiCB	12	12 + 13	---	C U	---	1.6
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	1.48
4,4'-DiCB	15	---	---	U	---	1.68
2,2',3-TriCB	16	---	1.03	K B J	U	0.992
2,2',4-TriCB	17	---	2.22	B J	---	0.927
2,2',5-TriCB	18	18 + 30	1.86	C B J	---	0.741
2,2',6-TriCB	19	---	---	U	---	1.02
2,3,3'-TriCB	20	20 + 28	3.91	C B J	U	0.642
2,3,4-TriCB	21	21 + 33	3.17	C K B J	U	0.619
2,3,4'-TriCB	22	---	1.53	B J	---	0.738
2,3,5-TriCB	23	---	---	U	---	0.683
2,3,6-TriCB	24	---	---	U	---	0.677
2,3',4-TriCB	25	---	0.668	B J	U	0.563
2,3',5-TriCB	26	26 + 29	---	C U	---	0.655
2,3',6-TriCB	27	---	---	U	---	0.615
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.66	B J	U	0.608
2,4',6-TriCB	32	---	0.752	B J	---	0.602
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.656
3,3',4-TriCB	35	---	---	U	---	0.77
3,3',5-TriCB	36	---	---	U	---	0.661
3,4,4'-TriCB	37	---	0.847	B J	U	0.709
3,4,5-TriCB	38	---	---	U	---	0.663
3,4',5-TriCB	39	---	---	U	---	0.674
2,2',3,3'-TeCB	40	40 + 41 + 71	2.05	C B J	---	0.947
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	0.991	K B J	U	0.962
2,2',3,5-TeCB	43	---	---	U	---	1.04
2,2',3,5'-TeCB	44	44 + 47 + 65	148	C B	R1	0.848
2,2',3,6-TeCB	45	45 + 51	35.2	C B	R1	0.911
2,2',3,6'-TeCB	46	---	---	U	---	1.07
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	0.948

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG45859

KC Sample ID L58688-3

Collection Date 10-Sep-13

Replicate to L58688-2

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	4.19	C B J	U	0.779
2,2',4,6'-TeCB	50	50 + 53	---	C U	---	0.875
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	3.35	K B J	U	0.847
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.742
2,3,3',4'-TeCB	55	---	---	U	---	0.952
2,3,3',4'-TeCB	56	---	1.38	K B J	U	0.953
2,3,3',5'-TeCB	57	---	---	U	---	0.865
2,3,3',5'-TeCB	58	---	---	U	---	0.886
2,3,3',6'-TeCB	59	59 + 62 + 75	---	C U	---	0.69
2,3,4,4'-TeCB	60	---	0.997	B J	U	0.957
2,3,4,5'-TeCB	61	61 + 70 + 74 + 76	4.33	C B J	U	0.865
2,3,4,6'-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5'-TeCB	63	---	---	U	---	0.837
2,3,4',6'-TeCB	64	---	1.14	B J	---	0.674
2,3,5,6'-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	2.24	B J	U	0.831
2,3',4,5'-TeCB	67	---	---	U	---	0.739
2,3',4,5'-TeCB	68	---	27	---	R1	0.83
2,3',4,6'-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5'-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6'-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.802
2,3',5',6'-TeCB	73	---	---	U	---	0.72
2,4,4',5'-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6'-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5'-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	0.868
3,3',4,5'-TeCB	78	---	---	U	---	0.957
3,3',4,5'-TeCB	79	---	---	U	---	0.74
3,3',5,5'-TeCB	80	---	---	U	---	0.859
3,4,4',5'-TeCB	81	---	---	U	---	0.918
2,2',3,3',4'-PeCB	82	---	---	U	---	1.21
2,2',3,3',5'-PeCB	83	83 + 99	2.98	C K B J	U	1.06
2,2',3,3',6'-PeCB	84	---	---	U	---	1.19
2,2',3,4,4'-PeCB	85	85 + 116 + 117	---	C U	---	0.899
2,2',3,4,5'-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	2.01	C B J	---	0.911
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6'-PeCB	88	88 + 91	1.09	C K B J	U	1.04
2,2',3,4,6'-PeCB	89	---	---	U	---	1.11
2,2',3,4',5'-PeCB	90	90 + 101 + 113	2.58	C B J	---	0.905
2,2',3,4',6'-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.06
2,2',3,5,6'-PeCB	93	93 + 95 + 98 + 100 + 102	---	C U	---	1
2,2',3,5,6'-PeCB	94	---	---	U	---	1.12
2,2',3,5',6'-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.837

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG45859

KC Sample ID L58688-3

Collection Date 10-Sep-13

Replicate to L58688-2

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	0.885
2,2',4,6,6'-PeCB	104	---	---	U	---	0.971
2,3,3',4,4'-PeCB	105	---	0.837	B J	U	0.817
2,3,3',4,5-PeCB	106	---	---	U	---	0.825
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	0.907
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.822
2,3,3',4',6-PeCB	110	110 + 115	3.03	C B J	---	0.79
2,3,3',5,5'-PeCB	111	---	---	U	---	0.792
2,3,3',5,6-PeCB	112	---	---	U	---	0.778
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	0.848
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	1.89	B J	U	0.835
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.75
2,3',4,5',6-PeCB	121	---	---	U	---	0.785
2',3,3',4,5-PeCB	122	---	---	U	---	0.97
2',3,4,4',5-PeCB	123	---	---	U	---	0.856
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	0.879
3,3',4,5,5'-PeCB	127	---	---	U	---	0.93
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.21
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	3.04	C B J	U	1.2
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.52
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.38
2,2',3,3',4,6'-HxCB	132	---	---	U	---	1.47
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.34
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.37
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	1.81	C K B J	U	1.06
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.774
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.44
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.23
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.32
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.4
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.08

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG45859

KC Sample ID L58688-3

Collection Date 10-Sep-13

Replicate to L58688-2

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.823
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.21
2,2',3,4',5,6-HxCB	147	147 + 149	1.82	C B J	U	1.22
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.07
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.791
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.738
2,2',4,4',5,5'-HxCB	153	153 + 168	2.19	C B J	U	1.03
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.803
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	1.19
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	0.942
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	0.953
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.05
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	1.02
2,3,3',5,5',6-HxCB	165	---	---	U	---	1.09
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.848
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	0.958
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	1.19
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	1.34
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.34
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.21
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	1.16
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.844
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	1.26
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	1.2
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.828
2,2',3,4,4',5,5'-HpCB	180	180 + 193	1.02	C K B J	U	0.948
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	1.24
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.15
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	1.14
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.813
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.899
2,2',3,4',5,5',6-HpCB	187	---	---	U	---	1.11
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.813
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	0.955
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	1
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	0.96
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	1.09

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG45859

KC Sample ID L58688-3

Collection Date 10-Sep-13

Replicate to L58688-2

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.23
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.3
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.22
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	0.872
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.28
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.85
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	0.91
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.19
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	0.869
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	1
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	1.5
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.09
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.15
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	1.26	K B J	U	1.26
Total PCB		---	19.8	---	J	---

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG46443
 KC Sample ID L58976-1
 Collection Date 17-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	2.1	B J	U	0.511
3-MoCB	2	---	2.21	B J	---	0.511
4-MoCB	3	---	2.53	K B J	U	0.511
2,2'-DiCB	4	---	---	U	---	2.97
2,3-DiCB	5	---	---	U	---	2.67
2,3'-DiCB	6	---	---	U	---	2.34
2,4-DiCB	7	---	---	U	---	2.38
2,4'-DiCB	8	---	---	U	---	2.15
2,5-DiCB	9	---	---	U	---	2.32
2,6-DiCB	10	---	---	U	---	2.24
3,3'-DiCB	11	---	9.43	K B J	U	2.86
3,4-DiCB	12	12 + 13	---	C U	---	2.79
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	2.5
4,4'-DiCB	15	---	---	U	---	2.68
2,2',3-TriCB	16	---	---	U	---	1.06
2,2',4-TriCB	17	---	1.79	K B J	U	0.924
2,2',5-TriCB	18	18 + 30	1.53	C B J	U	0.754
2,2',6-TriCB	19	---	---	U	---	0.817
2,3,3'-TriCB	20	20 + 28	2.98	C K B J	U	1.24
2,3,4-TriCB	21	21 + 33	1.19	C B J	---	1.18
2,3,4'-TriCB	22	---	---	U	---	1.35
2,3,5-TriCB	23	---	---	U	---	1.27
2,3,6-TriCB	24	---	---	U	---	0.658
2,3',4-TriCB	25	---	---	U	---	1.06
2,3',5-TriCB	26	26 + 29	---	C U	---	1.23
2,3',6-TriCB	27	---	---	U	---	0.649
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.13	K B J	U	1.15
2,4',6-TriCB	32	---	---	U	---	1.12
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	1.24
3,3',4-TriCB	35	---	---	U	---	1.46
3,3',5-TriCB	36	---	---	U	---	1.27
3,4,4'-TriCB	37	---	---	U	---	1.22
3,4,5-TriCB	38	---	---	U	---	1.29
3,4',5-TriCB	39	---	---	U	---	1.26
2,2',3,3'-TeCB	40	40 + 41 + 71	---	C U	---	1.33
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	1.29
2,2',3,5-TeCB	43	---	---	U	---	1.52
2,2',3,5'-TeCB	44	44 + 47 + 65	7.27	C B J	U, R1	1.21
2,2',3,6-TeCB	45	45 + 51	2.38	C J	R1	1.29
2,2',3,6'-TeCB	46	---	---	U	---	1.5
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	1.31

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG46443
 KC Sample ID L58976-1
 Collection Date 17-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	---	C U	---	1.1
2,2',4,6-TeCB	50	50 + 53	---	C U	---	1.24
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	2.09	B J	---	1.25
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.788
2,3,3',4-TeCB	55	---	---	U	---	0.887
2,3,3',4'-TeCB	56	---	---	U	---	0.951
2,3,3',5-TeCB	57	---	---	U	---	0.844
2,3,3',5'-TeCB	58	---	---	U	---	0.884
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.995
2,3,4,4'-TeCB	60	---	---	U	---	0.929
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	2.79	C B J	U	0.863
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	0.839
2,3,4',6-TeCB	64	---	---	U	---	0.951
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	1.36	K B J	U	0.851
2,3',4,5-TeCB	67	---	---	U	---	0.761
2,3',4,5'-TeCB	68	---	3.52	J	R1	0.828
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.808
2,3',5',6-TeCB	73	---	---	U	---	0.973
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	0.86
3,3',4,5-TeCB	78	---	---	U	---	0.92
3,3',4,5'-TeCB	79	---	---	U	---	0.803
3,3',5,5'-TeCB	80	---	---	U	---	0.839
3,4,4',5-TeCB	81	---	---	U	---	0.819
2,2',3,3',4-PeCB	82	---	---	U	---	1.13
2,2',3,3',5-PeCB	83	83 + 99	1.62	C J	---	1.01
2,2',3,3',6-PeCB	84	---	---	U	---	1.18
2,2',3,4,4'-PeCB	85	85 + 116 + 117	---	C U	---	0.862
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	2.86	C J	---	0.88
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	1.01
2,2',3,4,6'-PeCB	89	---	---	U	---	1.06
2,2',3,4',5-PeCB	90	90 + 101 + 113	2.77	C K B J	U	0.895
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.04
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	2.26	C B J	---	0.964
2,2',3,5,6'-PeCB	94	---	---	U	---	1.07
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.815

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG46443
 KC Sample ID L58976-1
 Collection Date 17-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	0.874
2,2',4,6,6'-PeCB	104	---	---	U	---	0.729
2,3,3',4,4'-PeCB	105	---	1.13	K J	U	0.867
2,3,3',4,5-PeCB	106	---	---	U	---	0.902
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	1
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.934
2,3,3',4',6-PeCB	110	110 + 115	2.52	C B J	---	0.772
2,3,3',5,5'-PeCB	111	---	---	U	---	0.773
2,3,3',5,6-PeCB	112	---	---	U	---	0.768
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	0.846
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	2.11	J	---	0.886
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.724
2,3',4,5',6-PeCB	121	---	---	U	---	0.774
2',3,3',4,5-PeCB	122	---	---	U	---	1.04
2',3,4,4',5-PeCB	123	---	---	U	---	0.931
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	1.08
3,3',4,5,5'-PeCB	127	---	---	U	---	0.954
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.33
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	2.96	C K J	U	1.35
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.69
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.57
2,2',3,3',4,6'-HxCB	132	---	---	U	---	1.65
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.53
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.57
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	1.03	C B J	---	0.908
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.69
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.55
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.42
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.44
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.61
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	0.927

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG46443
 KC Sample ID L58976-1
 Collection Date 17-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.713
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.33
2,2',3,4',5,6-HxCB	147	147 + 149	2.41	C J	---	1.4
2,2',3,4',5,6'-HxCB	148	---	---	U	---	0.914
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.679
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.678
2,2',4,4',5,5'-HxCB	153	153 + 168	2.16	C K B J	U	1.19
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.511
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	1.34
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	1.05
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1.13
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	1.11
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.18
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	1.16
2,3,3',5,5',6-HxCB	165	---	---	U	---	1.27
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.974
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	1.17
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	1.29
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	1.31
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.32
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.16
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	1.15
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.869
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	1.24
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	1.18
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.845
2,2',3,4,4',5,5'-HpCB	180	180 + 193	---	C U	---	1.02
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	1.23
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.14
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	1.18
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.837
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.92
2,2',3,4',5,5',6-HpCB	187	---	---	U	---	1.12
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.682
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	1.15
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	1.01
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	0.958
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	1.06

Table B2-1. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Baseflow

AXYS Workgroup WG46443
 KC Sample ID L58976-1
 Collection Date 17-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.2
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.27
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.08
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	0.777
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.12
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.758
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	0.777
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.04
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	0.775
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	0.987
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	1.68
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.21
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.11
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	2.05	K J	U	0.817
Total PCB		---	20.3	---	J	---

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L58861-1
 Collection Date 01-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	2.24	K B J	U	0.512
3-MoCB	2	---	2.19	B J	---	0.512
4-MoCB	3	---	3.07	K B J	U	0.512
2,2'-DiCB	4	---	---	U	---	2.8
2,3-DiCB	5	---	---	U	---	2.8
2,3'-DiCB	6	---	---	U	---	2.45
2,4-DiCB	7	---	---	U	---	2.49
2,4'-DiCB	8	---	2.46	K B J	U	2.25
2,5-DiCB	9	---	---	U	---	2.43
2,6-DiCB	10	---	---	U	---	2.35
3,3'-DiCB	11	---	10	B J	U	2.99
3,4-DiCB	12	12 + 13	---	C U	---	2.93
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	2.62
4,4'-DiCB	15	---	---	U	---	3.03
2,2',3-TriCB	16	---	2.37	B J	---	0.997
2,2',4-TriCB	17	---	1.36	K B J	U	0.871
2,2',5-TriCB	18	18 + 30	3.98	C B J	U	0.71
2,2',6-TriCB	19	---	---	U	---	0.672
2,3,3'-TriCB	20	20 + 28	4.62	C B J	U	0.875
2,3,4-TriCB	21	21 + 33	2.32	C K B J	U	0.828
2,3,4'-TriCB	22	---	1.21	K J	U	0.95
2,3,5-TriCB	23	---	---	U	---	0.891
2,3,6-TriCB	24	---	---	U	---	0.621
2,3',4-TriCB	25	---	---	U	---	0.75
2,3',5-TriCB	26	26 + 29	---	C U	---	0.866
2,3',6-TriCB	27	---	---	U	---	0.611
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	3.21	B J	U	0.807
2,4',6-TriCB	32	---	0.921	B J	U	0.786
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.872
3,3',4-TriCB	35	---	---	U	---	1.03
3,3',5-TriCB	36	---	---	U	---	0.894
3,4,4'-TriCB	37	---	---	U	---	0.961
3,4,5-TriCB	38	---	---	U	---	0.91
3,4',5-TriCB	39	---	---	U	---	0.886
2,2',3,3'-TeCB	40	40 + 41 + 71	1.73	C J	---	0.987
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	0.959
2,2',3,5-TeCB	43	---	---	U	---	1.13
2,2',3,5'-TeCB	44	44 + 47 + 65	9.23	C B J	U, R1	0.898
2,2',3,6-TeCB	45	45 + 51	0.964	C J	R1	0.954
2,2',3,6'-TeCB	46	---	---	U	---	1.11
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	0.969

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L58861-1
 Collection Date 01-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	2.06	C K B J	U	0.817
2,2',4,6-TeCB	50	50 + 53	---	C U	---	0.917
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	4.25	K B J	U	0.928
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.512
2,3,3',4-TeCB	55	---	---	U	---	1.3
2,3,3',4'-TeCB	56	---	---	U	---	1.39
2,3,3',5-TeCB	57	---	---	U	---	1.24
2,3,3',5'-TeCB	58	---	---	U	---	1.29
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.738
2,3,4,4'-TeCB	60	---	---	U	---	1.36
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	3.72	C B J	U	1.26
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	1.23
2,3,4',6-TeCB	64	---	0.925	J	---	0.706
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	1.72	B J	U	1.25
2,3',4,5-TeCB	67	---	---	U	---	1.11
2,3',4,5'-TeCB	68	---	2.76	J	R1	1.21
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	1.18
2,3',5',6-TeCB	73	---	---	U	---	0.722
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	1.37
3,3',4,5-TeCB	78	---	---	U	---	1.35
3,3',4,5'-TeCB	79	---	---	U	---	1.18
3,3',5,5'-TeCB	80	---	---	U	---	1.23
3,4,4',5-TeCB	81	---	---	U	---	1.28
2,2',3,3',4-PeCB	82	---	---	U	---	1.65
2,2',3,3',5-PeCB	83	83 + 99	---	C U	---	1.47
2,2',3,3',6-PeCB	84	---	---	U	---	1.71
2,2',3,4,4'-PeCB	85	85 + 116 + 117	---	C U	---	1.25
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	2.03	C K J	U	1.28
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	1.47
2,2',3,4,6'-PeCB	89	---	---	U	---	1.54
2,2',3,4',5-PeCB	90	90 + 101 + 113	2.08	C B J	---	1.3
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.51
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	2.28	C K B J	U	1.4
2,2',3,5,6'-PeCB	94	---	---	U	---	1.55
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.674

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L58861-1
 Collection Date 01-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	1.27
2,2',4,6,6'-PeCB	104	---	---	U	---	0.575
2,3,3',4,4'-PeCB	105	---	---	U	---	1.25
2,3,3',4,5-PeCB	106	---	---	U	---	1.26
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	1.4
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	1.3
2,3,3',4',6-PeCB	110	110 + 115	2.08	C B J	---	1.12
2,3,3',5,5'-PeCB	111	---	---	U	---	1.12
2,3,3',5,6-PeCB	112	---	---	U	---	1.12
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	1.19
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	1.96	K J	U	1.28
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	1.05
2,3',4,5',6-PeCB	121	---	---	U	---	1.12
2',3,3',4,5-PeCB	122	---	---	U	---	1.45
2',3,4,4',5-PeCB	123	---	---	U	---	1.28
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	1.47
3,3',4,5,5'-PeCB	127	---	---	U	---	1.33
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.79
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	2.56	C J	---	1.81
2,2',3,3',4,5'-HxCB	130	---	---	U	---	2.26
2,2',3,3',4,6-HxCB	131	---	---	U	---	2.1
2,2',3,3',4,6'-HxCB	132	---	---	U	---	2.2
2,2',3,3',5,5'-HxCB	133	---	---	U	---	2.05
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	2.1
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	---	C U	---	1.19
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.907
2,2',3,4,4',5-HxCB	137	---	---	U	---	2.08
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.91
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.93
2,2',3,4,5,6-HxCB	142	---	---	U	---	2.15
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.22

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L58861-1
 Collection Date 01-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.938
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.78
2,2',3,4',5,6-HxCB	147	147 + 149	---	C U	---	1.88
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.2
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.892
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.892
2,2',4,4',5,5'-HxCB	153	153 + 168	2.1	C K B J	U	1.6
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.665
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	1.79
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	1.41
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1.51
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	1.49
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.58
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	1.55
2,3,3',5,5',6-HxCB	165	---	---	U	---	1.7
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	1.27
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	1.49
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	1.63
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	1.55
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.55
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.37
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	1.35
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	1.03
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	1.47
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	1.4
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.998
2,2',3,4,4',5,5'-HpCB	180	180 + 193	---	C U	---	1.29
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	1.45
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.35
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	1.39
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.989
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	1.09
2,2',3,4',5,5',6-HpCB	187	---	---	U	---	1.33
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.841
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	1.96
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	1.19
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	1.13
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	1.25

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L58861-1
 Collection Date 01-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.71
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.81
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.44
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	1.04
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.49
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	1.01
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	1.03
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.39
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	1.04
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	1.4
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	1.94
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.51
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.44
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	1.25	K J	U	1.2
Total PCB		---	13.9	---	J	---

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443

KC Sample ID L58861-3

Collection Date 01-Oct-13

Replicate to L58861-1

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	1.9	B J	U	0.505
3-MoCB	2	---	2.08	B J	---	0.545
4-MoCB	3	---	2.69	K B J	U	0.505
2,2'-DiCB	4	---	---	U	---	2.95
2,3-DiCB	5	---	---	U	---	2.76
2,3'-DiCB	6	---	---	U	---	2.42
2,4-DiCB	7	---	---	U	---	2.46
2,4'-DiCB	8	---	---	U	---	2.22
2,5-DiCB	9	---	---	U	---	2.4
2,6-DiCB	10	---	---	U	---	2.32
3,3'-DiCB	11	---	13.9	B J	U	2.96
3,4-DiCB	12	12 + 13	---	C U	---	2.89
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	2.59
4,4'-DiCB	15	---	---	U	---	2.87
2,2',3-TriCB	16	---	---	U	---	0.897
2,2',4-TriCB	17	---	1.06	B J	---	0.783
2,2',5-TriCB	18	18 + 30	1.65	C K B J	U	0.639
2,2',6-TriCB	19	---	---	U	---	0.633
2,3,3'-TriCB	20	20 + 28	3.4	C B J	U	0.629
2,3,4-TriCB	21	21 + 33	1.26	C B J	---	0.595
2,3,4'-TriCB	22	---	0.788	K J	U	0.682
2,3,5-TriCB	23	---	---	U	---	0.64
2,3,6-TriCB	24	---	---	U	---	0.558
2,3',4-TriCB	25	---	---	U	---	0.538
2,3',5-TriCB	26	26 + 29	---	C U	---	0.622
2,3',6-TriCB	27	---	---	U	---	0.55
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.31	B J	U	0.58
2,4',6-TriCB	32	---	0.586	B J	U	0.565
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.626
3,3',4-TriCB	35	---	---	U	---	0.739
3,3',5-TriCB	36	---	---	U	---	0.642
3,4,4'-TriCB	37	---	---	U	---	0.663
3,4,5-TriCB	38	---	---	U	---	0.654
3,4',5-TriCB	39	---	---	U	---	0.636
2,2',3,3'-TeCB	40	40 + 41 + 71	---	C U	---	1.01
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	0.986
2,2',3,5-TeCB	43	---	---	U	---	1.16
2,2',3,5'-TeCB	44	44 + 47 + 65	12	C B J	U, R1	0.924
2,2',3,6-TeCB	45	45 + 51	---	C U	R1	0.981
2,2',3,6'-TeCB	46	---	---	U	---	1.14
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	0.996

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443

KC Sample ID L58861-3

Collection Date 01-Oct-13

Replicate to L58861-1

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	1.62	C B J	---	0.84
2,2',4,6'-TeCB	50	50 + 53	---	C U	---	0.943
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	3.39	B J	---	0.955
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.529
2,3,3',4'-TeCB	55	---	---	U	---	0.847
2,3,3',4'-TeCB	56	---	---	U	---	0.907
2,3,3',5'-TeCB	57	---	---	U	---	0.806
2,3,3',5'-TeCB	58	---	---	U	---	0.843
2,3,3',6'-TeCB	59	59 + 62 + 75	---	C U	---	0.759
2,3,4,4'-TeCB	60	---	---	U	---	0.886
2,3,4,5'-TeCB	61	61 + 70 + 74 + 76	4.34	C B J	U	0.824
2,3,4,6'-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5'-TeCB	63	---	---	U	---	0.8
2,3,4',6'-TeCB	64	---	0.942	J	---	0.726
2,3,5,6'-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	1.72	K B J	U	0.812
2,3',4,5'-TeCB	67	---	---	U	---	0.726
2,3',4,5'-TeCB	68	---	4.54	K J	U, R1	0.79
2,3',4,6'-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5'-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6'-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.771
2,3',5',6'-TeCB	73	---	---	U	---	0.742
2,4,4',5'-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6'-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5'-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	0.862
3,3',4,5'-TeCB	78	---	---	U	---	0.878
3,3',4,5'-TeCB	79	---	---	U	---	0.767
3,3',5,5'-TeCB	80	---	---	U	---	0.801
3,4,4',5'-TeCB	81	---	---	U	---	0.844
2,2',3,3',4'-PeCB	82	---	---	U	---	1.24
2,2',3,3',5'-PeCB	83	83 + 99	1.28	C K J	U	1.1
2,2',3,3',6'-PeCB	84	---	---	U	---	1.29
2,2',3,4,4'-PeCB	85	85 + 116 + 117	---	C U	---	0.94
2,2',3,4,5'-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	1.86	C K J	U	0.96
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6'-PeCB	88	88 + 91	---	C U	---	1.1
2,2',3,4,6'-PeCB	89	---	---	U	---	1.16
2,2',3,4',5'-PeCB	90	90 + 101 + 113	3.3	C K B J	U	0.976
2,2',3,4',6'-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.13
2,2',3,5,6'-PeCB	93	93 + 95 + 98 + 100 + 102	2.94	C B J	---	1.05
2,2',3,5,6'-PeCB	94	---	---	U	---	1.16
2,2',3,5',6'-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.611

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443

KC Sample ID L58861-3

Collection Date 01-Oct-13

Replicate to L58861-1

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	0.953
2,2',4,6,6'-PeCB	104	---	---	U	---	0.517
2,3,3',4,4'-PeCB	105	---	1.45	K J	U	0.865
2,3,3',4,5-PeCB	106	---	---	U	---	0.946
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	1.05
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.979
2,3,3',4',6-PeCB	110	110 + 115	2.15	C B J	---	0.842
2,3,3',5,5'-PeCB	111	---	---	U	---	0.843
2,3,3',5,6-PeCB	112	---	---	U	---	0.838
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	0.95
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	2.59	J	---	0.968
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.79
2,3',4,5',6-PeCB	121	---	---	U	---	0.844
2',3,3',4,5-PeCB	122	---	---	U	---	1.09
2',3,4,4',5-PeCB	123	---	---	U	---	1.01
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	1.18
3,3',4,5,5'-PeCB	127	---	---	U	---	1
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.27
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	3.33	C J	---	1.28
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.61
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.49
2,2',3,3',4,6'-HxCB	132	---	---	U	---	1.56
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.46
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.49
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	1.45	C K B J	U	0.727
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.553
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.47
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.35
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.37
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.53
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	0.743

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443

KC Sample ID L58861-3

Collection Date 01-Oct-13

Replicate to L58861-1

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.572
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.27
2,2',3,4',5,6-HxCB	147	147 + 149	1.55	C K J	U	1.33
2,2',3,4',5,6'-HxCB	148	---	---	U	---	0.732
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.544
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.543
2,2',4,4',5,5'-HxCB	153	153 + 168	2.24	C K B J	U	1.13
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.505
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	1.25
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	0.999
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1.07
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	1.06
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.12
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	1.1
2,3,3',5,5',6-HxCB	165	---	---	U	---	1.2
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.918
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	1.12
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	1.29
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	1.24
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.24
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.1
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	1.08
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.821
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	1.17
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	1.12
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.798
2,2',3,4,4',5,5'-HpCB	180	180 + 193	---	C U	---	0.981
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	1.16
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.08
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	1.11
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.791
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.869
2,2',3,4',5,5',6-HpCB	187	---	---	U	---	1.06
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.664
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	1.32
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	0.953
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	0.905
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	1

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443

KC Sample ID L58861-3

Collection Date 01-Oct-13

Replicate to L58861-1

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.46
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.55
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.17
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	0.845
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.21
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.824
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	0.842
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.13
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	0.842
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	1.19
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	1.9
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.47
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.4
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	1.05	J	---	0.999
Total PCB		---	22.4	---	J	---

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59148-1
 Collection Date 07-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	3.37	B J	U	0.509
3-MoCB	2	---	3.07	B J	---	0.511
4-MoCB	3	---	4.85	K B J	U	0.509
2,2'-DiCB	4	---	---	U	---	2.53
2,3-DiCB	5	---	---	U	---	2.17
2,3'-DiCB	6	---	---	U	---	1.86
2,4-DiCB	7	---	6.02	J	---	1.9
2,4'-DiCB	8	---	2.29	B J	---	1.68
2,5-DiCB	9	---	---	U	---	1.87
2,6-DiCB	10	---	---	U	---	1.83
3,3'-DiCB	11	---	12.6	B J	U	2.22
3,4-DiCB	12	12 + 13	---	C U	---	2.22
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	1.98
4,4'-DiCB	15	---	---	U	---	2.16
2,2',3-TriCB	16	---	1.32	K B J	U	0.973
2,2',4-TriCB	17	---	0.995	K B J	U	0.88
2,2',5-TriCB	18	18 + 30	2.41	C K B J	U	0.718
2,2',6-TriCB	19	---	---	U	---	1.08
2,3,3'-TriCB	20	20 + 28	4.5	C B J	U	0.695
2,3,4-TriCB	21	21 + 33	2.04	C B J	---	0.654
2,3,4'-TriCB	22	---	1.52	J	---	0.745
2,3,5-TriCB	23	---	---	U	---	0.701
2,3,6-TriCB	24	---	---	U	---	0.667
2,3',4-TriCB	25	---	---	U	---	0.606
2,3',5-TriCB	26	26 + 29	0.913	C J	---	0.676
2,3',6-TriCB	27	---	---	U	---	0.614
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	3.26	B J	U	0.624
2,4',6-TriCB	32	---	0.928	K B J	U	0.643
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.69
3,3',4-TriCB	35	---	---	U	---	0.805
3,3',5-TriCB	36	---	---	U	---	0.722
3,4,4'-TriCB	37	---	---	U	---	0.677
3,4,5-TriCB	38	---	---	U	---	0.729
3,4',5-TriCB	39	---	---	U	---	0.699
2,2',3,3'-TeCB	40	40 + 41 + 71	1.49	C K J	U	0.879
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	0.853
2,2',3,5-TeCB	43	---	---	U	---	1.03
2,2',3,5'-TeCB	44	44 + 47 + 65	19.6	C B J	R1	0.804
2,2',3,6-TeCB	45	45 + 51	4.4	C K J	U, R1	0.868
2,2',3,6'-TeCB	46	---	---	U	---	0.997
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	0.869	K J	U	0.859

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59148-1
 Collection Date 07-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	1.59	C K B J	U	0.728
2,2',4,6-TeCB	50	50 + 53	---	C U	---	0.833
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	3.25	B J	---	0.823
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.778
2,3,3',4-TeCB	55	---	---	U	---	0.682
2,3,3',4'-TeCB	56	---	0.887	K J	U	0.708
2,3,3',5-TeCB	57	---	---	U	---	0.65
2,3,3',5'-TeCB	58	---	---	U	---	0.689
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.654
2,3,4,4'-TeCB	60	---	---	U	---	0.689
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	3.81	C B J	U	0.646
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	0.626
2,3,4',6-TeCB	64	---	0.91	K J	U	0.635
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	1.8	B J	U	0.645
2,3',4,5-TeCB	67	---	---	U	---	0.579
2,3',4,5'-TeCB	68	---	8.75	J	R1	0.632
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.615
2,3',5',6-TeCB	73	---	---	U	---	0.642
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	0.637
3,3',4,5-TeCB	78	---	---	U	---	0.735
3,3',4,5'-TeCB	79	---	---	U	---	0.624
3,3',5,5'-TeCB	80	---	---	U	---	0.625
3,4,4',5-TeCB	81	---	---	U	---	0.642
2,2',3,3',4-PeCB	82	---	---	U	---	0.754
2,2',3,3',5-PeCB	83	83 + 99	3	C K J	U	0.66
2,2',3,3',6-PeCB	84	---	---	U	---	0.722
2,2',3,4,4'-PeCB	85	85 + 116 + 117	0.686	C K J	U	0.564
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	3.12	C K J	U	0.577
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	0.637
2,2',3,4,6'-PeCB	89	---	---	U	---	0.683
2,2',3,4',5-PeCB	90	90 + 101 + 113	3.58	C B J	---	0.588
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	0.669
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	2.66	C B J	---	0.617
2,2',3,5,6'-PeCB	94	---	---	U	---	0.683
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.565

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59148-1
 Collection Date 07-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	0.564
2,2',4,6,6'-PeCB	104	---	---	U	---	0.686
2,3,3',4,4'-PeCB	105	---	1.35	J	---	0.536
2,3,3',4,5-PeCB	106	---	---	U	---	0.613
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	0.671
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.63
2,3,3',4',6-PeCB	110	110 + 115	3.26	C B J	---	0.509
2,3,3',5,5'-PeCB	111	---	---	U	---	0.514
2,3,3',5,6-PeCB	112	---	---	U	---	0.509
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	0.624
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	4.96	J	---	0.602
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.509
2,3',4,5',6-PeCB	121	---	---	U	---	0.509
2',3,3',4,5-PeCB	122	---	---	U	---	0.724
2',3,4,4',5-PeCB	123	---	---	U	---	0.629
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	0.71
3,3',4,5,5'-PeCB	127	---	---	U	---	0.691
2,2',3,3',4,4'-HxCB	128	128 + 166	0.923	C K J	U	0.805
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	7.96	C J	---	0.807
2,2',3,3',4,5'-HxCB	130	---	---	U	---	0.969
2,2',3,3',4,6-HxCB	131	---	---	U	---	0.915
2,2',3,3',4,6'-HxCB	132	---	1.34	K J	U	0.978
2,2',3,3',5,5'-HxCB	133	---	---	U	---	0.901
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	0.924
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	0.917	C K B J	U	0.678
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.518
2,2',3,4,4',5-HxCB	137	---	---	U	---	0.9
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	0.828
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	0.858
2,2',3,4,5,6-HxCB	142	---	---	U	---	0.931
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	0.688

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59148-1
 Collection Date 07-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.552
2,2',3,4',5,5'-HxCB	146	---	1.1	K J	U	0.769
2,2',3,4',5,6-HxCB	147	147 + 149	3.18	C K J	U	0.818
2,2',3,4',5,6'-HxCB	148	---	---	U	---	0.693
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.519
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.509
2,2',4,4',5,5'-HxCB	153	153 + 168	6.28	C B J	U	0.713
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.509
2,3,3',4,4',5-HxCB	156	156 + 157	0.982	C J	---	0.841
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	0.872	K J	U	0.648
2,3,3',4,5,5'-HxCB	159	---	---	U	---	0.682
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	0.665
2,3,3',4',5,5'-HxCB	162	---	---	U	---	0.712
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	0.689
2,3,3',5,5',6-HxCB	165	---	---	U	---	0.744
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	0.702	K J	U	0.596
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	0.678
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	1.01
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	1.04
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.06
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	0.924
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	0.911
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.687
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	0.975
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	0.965
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.665
2,2',3,4,4',5,5'-HpCB	180	180 + 193	1.49	C K B J	U	0.858
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	0.979
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	0.9
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	0.918
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.663
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.734
2,2',3,4',5,5',6-HpCB	187	---	1.08	K J	U	0.878
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.646
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	0.561
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	0.793
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	0.778
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	0.86

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59148-1
 Collection Date 07-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	0.692
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	0.708
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	0.947
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	0.692
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.671
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	0.76
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	0.911
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	0.707
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	0.555
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	1.32
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	0.967
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	0.973
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	1.09	K J	U	0.74
Total PCB		---	43.9	---	J	---

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59240-1
 Collection Date 19-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	2.83	B J	U	0.505
3-MoCB	2	---	2.21	B J	---	0.505
4-MoCB	3	---	4.1	B J	---	0.505
2,2'-DiCB	4	---	---	U	---	1.57
2,3-DiCB	5	---	---	U	---	1.23
2,3'-DiCB	6	---	---	U	---	1.07
2,4-DiCB	7	---	10.2	J	---	1.09
2,4'-DiCB	8	---	1.74	K B J	U	0.996
2,5-DiCB	9	---	---	U	---	1.07
2,6-DiCB	10	---	---	U	---	1.06
3,3'-DiCB	11	---	12.7	B J	U	1.27
3,4-DiCB	12	12 + 13	---	C U	---	1.28
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	1.14
4,4'-DiCB	15	---	---	U	---	1.47
2,2',3-TriCB	16	---	---	U	---	0.786
2,2',4-TriCB	17	---	0.935	K B J	U	0.705
2,2',5-TriCB	18	18 + 30	1.71	C B J	U	0.569
2,2',6-TriCB	19	---	---	U	---	0.641
2,3,3'-TriCB	20	20 + 28	4.04	C K B J	U	0.505
2,3,4-TriCB	21	21 + 33	1.54	C B J	---	0.505
2,3,4'-TriCB	22	---	1.23	J	---	0.505
2,3,5-TriCB	23	---	---	U	---	0.505
2,3,6-TriCB	24	---	---	U	---	0.531
2,3',4-TriCB	25	---	---	U	---	0.505
2,3',5-TriCB	26	26 + 29	0.681	C J	---	0.505
2,3',6-TriCB	27	---	---	U	---	0.505
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.52	B J	U	0.505
2,4',6-TriCB	32	---	0.741	K B J	U	0.505
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.505
3,3',4-TriCB	35	---	---	U	---	0.505
3,3',5-TriCB	36	---	---	U	---	0.505
3,4,4'-TriCB	37	---	1.07	K J	U	0.505
3,4,5-TriCB	38	---	---	U	---	0.505
3,4',5-TriCB	39	---	---	U	---	0.505
2,2',3,3'-TeCB	40	40 + 41 + 71	1.87	C J	---	0.641
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	0.626
2,2',3,5-TeCB	43	---	---	U	---	0.696
2,2',3,5'-TeCB	44	44 + 47 + 65	6.81	C K B J	U, R1	0.572
2,2',3,6-TeCB	45	45 + 51	0.646	C J	R1	0.618
2,2',3,6'-TeCB	46	---	---	U	---	0.708
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	0.618

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59240-1
 Collection Date 19-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	1.74	C B J	---	0.521
2,2',4,6-TeCB	50	50 + 53	0.707	C J	---	0.588
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	3.36	B J	---	0.602
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.505
2,3,3',4-TeCB	55	---	---	U	---	0.529
2,3,3',4'-TeCB	56	---	1.28	K J	U	0.545
2,3,3',5-TeCB	57	---	---	U	---	0.505
2,3,3',5'-TeCB	58	---	---	U	---	0.527
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.505
2,3,4,4'-TeCB	60	---	0.914	K J	U	0.545
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	4.75	C B J	U	0.522
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	0.505
2,3,4',6-TeCB	64	---	1.02	K J	U	0.505
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	1.96	K B J	U	0.505
2,3',4,5-TeCB	67	---	---	U	---	0.505
2,3',4,5'-TeCB	68	---	2.47	J	R1	0.505
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.505
2,3',5',6-TeCB	73	---	---	U	---	0.505
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	0.833	J	---	0.604
3,3',4,5-TeCB	78	---	---	U	---	0.555
3,3',4,5'-TeCB	79	---	---	U	---	0.505
3,3',5,5'-TeCB	80	---	---	U	---	0.505
3,4,4',5-TeCB	81	---	---	U	---	0.589
2,2',3,3',4-PeCB	82	---	---	U	---	0.876
2,2',3,3',5-PeCB	83	83 + 99	2.16	C K J	U	0.814
2,2',3,3',6-PeCB	84	---	---	U	---	0.868
2,2',3,4,4'-PeCB	85	85 + 116 + 117	1.21	C J	---	0.658
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	4.6	C J	---	0.67
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	0.754
2,2',3,4,6'-PeCB	89	---	---	U	---	0.813
2,2',3,4',5-PeCB	90	90 + 101 + 113	7.53	C B J	---	0.69
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	0.928	J	---	0.791
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	4.48	C B J	---	0.718
2,2',3,5,6'-PeCB	94	---	---	U	---	0.811
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.505

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59240-1
 Collection Date 19-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	0.658
2,2',4,6,6'-PeCB	104	---	---	U	---	0.505
2,3,3',4,4'-PeCB	105	---	2.03	J	---	0.505
2,3,3',4,5-PeCB	106	---	---	U	---	0.51
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	0.545
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.55
2,3,3',4',6-PeCB	110	110 + 115	6.05	C B J	---	0.58
2,3,3',5,5'-PeCB	111	---	---	U	---	0.592
2,3,3',5,6-PeCB	112	---	---	U	---	0.553
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	0.553
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	4.65	K J	U	0.552
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.559
2,3',4,5',6-PeCB	121	---	---	U	---	0.582
2',3,3',4,5-PeCB	122	---	---	U	---	0.59
2',3,4,4',5-PeCB	123	---	---	U	---	0.573
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	0.633
3,3',4,5,5'-PeCB	127	---	---	U	---	0.565
2,2',3,3',4,4'-HxCB	128	128 + 166	1.31	C J	---	0.804
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	12.6	C J	---	0.782
2,2',3,3',4,5'-HxCB	130	---	---	U	---	0.994
2,2',3,3',4,6-HxCB	131	---	---	U	---	0.929
2,2',3,3',4,6'-HxCB	132	---	2.05	K J	U	0.986
2,2',3,3',5,5'-HxCB	133	---	---	U	---	0.9
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	0.91
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	3.53	C K B J	U	0.644
2,2',3,3',6,6'-HxCB	136	---	0.612	K J	U	0.505
2,2',3,4,4',5-HxCB	137	---	---	U	---	0.976
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	0.83
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	3.29	J	---	0.85
2,2',3,4,5,6-HxCB	142	---	---	U	---	0.893
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	0.686	K J	U	0.652

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59240-1
 Collection Date 19-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.519
2,2',3,4',5,5'-HxCB	146	---	1.9	K J	U	0.825
2,2',3,4',5,6-HxCB	147	147 + 149	6.34	C J	---	0.848
2,2',3,4',5,6'-HxCB	148	---	---	U	---	0.661
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.505
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.505
2,2',4,4',5,5'-HxCB	153	153 + 168	13.9	C B J	---	0.709
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.505
2,3,3',4,4',5-HxCB	156	156 + 157	1.88	C K J	U	0.774
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	1.37	J	---	0.614
2,3,3',4,5,5'-HxCB	159	---	---	U	---	0.667
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	0.635
2,3,3',4',5,5'-HxCB	162	---	---	U	---	0.697
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	1.08	J	---	0.64
2,3,3',5,5',6-HxCB	165	---	---	U	---	0.74
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	0.595	J	---	0.582
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	0.658
2,2',3,3',4,4',5-HpCB	170	---	2.19	K J	U	0.819
2,2',3,3',4,4',6-HpCB	171	171 + 173	0.968	C K J	U	0.843
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	0.849
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	1.84	K J	U	0.75
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	0.747
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.566
2,2',3,3',4',5,6-HpCB	177	---	1.18	J	---	0.817
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	0.792
2,2',3,3',5,6,6'-HpCB	179	---	0.564	J	---	0.555
2,2',3,4,4',5,5'-HpCB	180	180 + 193	5.81	C B J	U	0.691
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	0.807
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	0.741
2,2',3,4,4',5',6-HpCB	183	183 + 185	1.72	C K J	U	0.763
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.55
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.603
2,2',3,4',5,5',6-HpCB	187	---	3.65	K J	U	0.731
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.505
2,3,3',4,4',5,5'-HpCB	189	---	0.556	J	---	0.505
2,3,3',4,4',5,6-HpCB	190	---	0.69	K J	U	0.622
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	0.61
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	0.685

Table B2-2. PCB Congener AXYS Analytical Data for Upper Green River Mainstem (UG319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59240-1
 Collection Date 19-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	0.995	K J	U	0.799
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	0.885
2,2',3,3',4,4',5,6'-OcCB	196	---	0.704	K J	U	0.673
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	0.505
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	1.09	C J	---	0.698
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.505
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	0.532
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	0.64
2,2',3,4,4',5,6,6'-OcCB	204	---	0.555	J	---	0.505
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	0.624
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	0.997
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	0.83
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	0.837
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	1.69	K J	U	0.644
Total PCB		---	99.7	---	J	---

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58657-1
 Collection Date 04-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	1.11	K B J	U	0.955
3-MoCB	2	---	1.11	B J	---	1.09
4-MoCB	3	---	2.95	K B J	U	1.07
2,2'-DiCB	4	---	---	U	---	8.03
2,3-DiCB	5	---	---	U	---	5.87
2,3'-DiCB	6	---	---	U	---	5.27
2,4-DiCB	7	---	---	U	---	5.38
2,4'-DiCB	8	---	---	U	---	4.86
2,5-DiCB	9	---	---	U	---	5.24
2,6-DiCB	10	---	---	U	---	5.43
3,3'-DiCB	11	---	10.1	K B J	U	5.73
3,4-DiCB	12	12 + 13	---	C U	---	5.78
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	5.4
4,4'-DiCB	15	---	---	U	---	6.15
2,2',3-TriCB	16	---	---	U	---	1.76
2,2',4-TriCB	17	---	1.67	K B J	U	1.48
2,2',5-TriCB	18	18 + 30	2.08	C K B J	U	1.21
2,2',6-TriCB	19	---	---	U	---	1.64
2,3,3'-TriCB	20	20 + 28	4.04	C B J	U	0.901
2,3,4-TriCB	21	21 + 33	2.21	C B J	---	0.886
2,3,4'-TriCB	22	---	1.28	B J	---	0.99
2,3,5-TriCB	23	---	---	U	---	0.964
2,3,6-TriCB	24	---	---	U	---	1.04
2,3',4-TriCB	25	---	---	U	---	0.781
2,3',5-TriCB	26	26 + 29	---	C U	---	0.908
2,3',6-TriCB	27	---	---	U	---	1.02
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.48	B J	U	0.852
2,4',6-TriCB	32	---	0.873	K B J	U	0.85
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.915
3,3',4-TriCB	35	---	---	U	---	1
3,3',5-TriCB	36	---	---	U	---	0.899
3,4,4'-TriCB	37	---	---	U	---	0.978
3,4,5-TriCB	38	---	---	U	---	0.957
3,4',5-TriCB	39	---	---	U	---	0.919
2,2',3,3'-TeCB	40	40 + 41 + 71	1.7	C K B J	U	1.17
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	1.25
2,2',3,5-TeCB	43	---	---	U	---	1.44
2,2',3,5'-TeCB	44	44 + 47 + 65	68.8	C B	R1	1.07
2,2',3,6-TeCB	45	45 + 51	18.7	C B J	R1	1.15
2,2',3,6'-TeCB	46	---	---	U	---	1.35
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	1.18

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58657-1
 Collection Date 04-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	2.57	C B J	U	0.98
2,2',4,6-TeCB	50	50 + 53	---	C U	---	1.12
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	2.9	B J	---	1.08
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	1.05
2,3,3',4-TeCB	55	---	---	U	---	0.934
2,3,3',4'-TeCB	56	---	1.5	K B J	U	0.924
2,3,3',5-TeCB	57	---	---	U	---	0.847
2,3,3',5'-TeCB	58	---	---	U	---	0.87
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.869
2,3,4,4'-TeCB	60	---	---	U	---	0.922
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	6.96	C B J	U	0.873
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	0.84
2,3,4',6-TeCB	64	---	1.08	B J	---	0.838
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	2.97	B J	U	0.812
2,3',4,5-TeCB	67	---	---	U	---	0.756
2,3',4,5'-TeCB	68	---	20.4	J	R1	0.785
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.784
2,3',5',6-TeCB	73	---	---	U	---	0.855
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	0.914
3,3',4,5-TeCB	78	---	---	U	---	0.99
3,3',4,5'-TeCB	79	---	---	U	---	0.866
3,3',5,5'-TeCB	80	---	---	U	---	0.827
3,4,4',5-TeCB	81	---	---	U	---	0.983
2,2',3,3',4-PeCB	82	---	---	U	---	1.45
2,2',3,3',5-PeCB	83	83 + 99	2.59	C B J	U	1.2
2,2',3,3',6-PeCB	84	---	---	U	---	1.33
2,2',3,4,4'-PeCB	85	85 + 116 + 117	---	C U	---	1.06
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	3.17	C K B J	U	1.1
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	1.16
2,2',3,4,6'-PeCB	89	---	---	U	---	1.23
2,2',3,4',5-PeCB	90	90 + 101 + 113	3.66	C B J	---	1.08
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.16
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	1.8	C B J	---	1.12
2,2',3,5,6'-PeCB	94	---	---	U	---	1.23
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.824

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58657-1
 Collection Date 04-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	1
2,2',4,6,6'-PeCB	104	---	---	U	---	1.13
2,3,3',4,4'-PeCB	105	---	2.03	B J	U	0.951
2,3,3',4,5-PeCB	106	---	---	U	---	1.03
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	1.13
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	1.03
2,3,3',4',6-PeCB	110	110 + 115	5.54	C B J	---	0.935
2,3,3',5,5'-PeCB	111	---	---	U	---	0.985
2,3,3',5,6-PeCB	112	---	---	U	---	0.913
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	0.983
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	4.07	B J	U	0.991
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.922
2,3',4,5',6-PeCB	121	---	---	U	---	0.875
2',3,3',4,5-PeCB	122	---	---	U	---	1.23
2',3,4,4',5-PeCB	123	---	---	U	---	1.01
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	1.03
3,3',4,5,5'-PeCB	127	---	---	U	---	1.17
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.45
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	4.74	C B J	U	1.42
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.87
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.63
2,2',3,3',4,6'-HxCB	132	---	---	U	---	1.77
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.65
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.54
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	---	C U	---	1.2
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.832
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.75
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.37
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.62
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.7
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.21

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58657-1
 Collection Date 04-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.896
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.47
2,2',3,4',5,6-HxCB	147	147 + 149	2.86	C B J	U	1.42
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.23
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.851
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.831
2,2',4,4',5,5'-HxCB	153	153 + 168	4.41	C B J	U	1.24
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.93
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	1.32
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	1.09
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1.15
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	1.15
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.21
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	1.24
2,3,3',5,5',6-HxCB	165	---	---	U	---	1.37
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.937
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	1.04
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	1.39
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	1.52
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.53
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.42
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	1.34
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	1.01
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	1.4
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	1.38
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.938
2,2',3,4,4',5,5'-HpCB	180	180 + 193	1.49	C B J	U	1.1
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	1.42
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.4
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	1.36
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.959
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	1.09
2,2',3,4',5,5',6-HpCB	187	---	1.55	B J	U	1.31
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.919
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	0.824
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	1.06
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	1.07
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	1.21

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58657-1
 Collection Date 04-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.37
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.47
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.67
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	1.26
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.77
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	1.28
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	1.31
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.65
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	1.29
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	1.07
2,2',3,3',4,4',5,5',6-NoCB	206	---	---	U	---	1.78
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.33
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.37
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	1.4	B J	U	1.27
Total PCB		---	19.6	---	J	---

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58688-1
 Collection Date 10-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	1.64	B J	---	0.5
3-MoCB	2	---	1.39	B J	---	0.5
4-MoCB	3	---	2.89	K B J	U	0.5
2,2'-DiCB	4	---	---	U	---	2.1
2,3-DiCB	5	---	---	U	---	1.54
2,3'-DiCB	6	---	---	U	---	1.36
2,4-DiCB	7	---	---	U	---	1.37
2,4'-DiCB	8	---	1.81	K B J	U	1.23
2,5-DiCB	9	---	---	U	---	1.33
2,6-DiCB	10	---	---	U	---	1.34
3,3'-DiCB	11	---	7.29	B J	U	1.5
3,4-DiCB	12	12 + 13	---	C U	---	1.5
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	1.38
4,4'-DiCB	15	---	3.87	B J	---	1.57
2,2',3-TriCB	16	---	1.12	B J	U	0.918
2,2',4-TriCB	17	---	1.46	K B J	U	0.858
2,2',5-TriCB	18	18 + 30	2.16	C K B J	U	0.686
2,2',6-TriCB	19	---	1.11	K J	U	0.904
2,3,3'-TriCB	20	20 + 28	7.09	C B J	U	0.581
2,3,4-TriCB	21	21 + 33	2.1	C B J	---	0.56
2,3,4'-TriCB	22	---	2.23	B J	---	0.668
2,3,5-TriCB	23	---	2.11	K J	U	0.618
2,3,6-TriCB	24	---	---	U	---	0.626
2,3',4-TriCB	25	---	0.776	B J	U	0.509
2,3',5-TriCB	26	26 + 29	1.15	C B J	---	0.592
2,3',6-TriCB	27	---	---	U	---	0.569
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	4.18	B J	U	0.55
2,4',6-TriCB	32	---	0.973	B J	---	0.544
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	1.55	J	---	0.593
3,3',4-TriCB	35	---	---	U	---	0.696
3,3',5-TriCB	36	---	---	U	---	0.597
3,4,4'-TriCB	37	---	3.13	B J	U	0.653
3,4,5-TriCB	38	---	---	U	---	0.6
3,4',5-TriCB	39	---	---	U	---	0.61
2,2',3,3'-TeCB	40	40 + 41 + 71	2.22	C B J	---	0.932
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	0.947
2,2',3,5-TeCB	43	---	---	U	---	1.03
2,2',3,5'-TeCB	44	44 + 47 + 65	15.1	C B J	U, R1	0.835
2,2',3,6-TeCB	45	45 + 51	5.79	C B J	R1	0.897
2,2',3,6'-TeCB	46	---	---	U	---	1.06
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	0.933

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58688-1
 Collection Date 10-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	2.07	C B J	U	0.767
2,2',4,6-TeCB	50	50 + 53	---	C U	---	0.862
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	3.21	B J	---	0.834
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	1.5	J	---	0.679
2,3,3',4-TeCB	55	---	---	U	---	0.787
2,3,3',4'-TeCB	56	---	1.5	K B J	U	0.787
2,3,3',5-TeCB	57	---	---	U	---	0.715
2,3,3',5'-TeCB	58	---	---	U	---	0.732
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.68
2,3,4,4'-TeCB	60	---	1.13	B J	U	0.791
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	6.49	C B J	U	0.715
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	0.692
2,3,4',6-TeCB	64	---	1.48	K B J	U	0.664
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	3.07	K B J	U	0.687
2,3',4,5-TeCB	67	---	---	U	---	0.611
2,3',4,5'-TeCB	68	---	4.77	J	R1	0.686
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.663
2,3',5',6-TeCB	73	---	---	U	---	0.709
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	1.29	K B J	U	0.731
3,3',4,5-TeCB	78	---	---	U	---	0.791
3,3',4,5'-TeCB	79	---	---	U	---	0.612
3,3',5,5'-TeCB	80	---	---	U	---	0.71
3,4,4',5-TeCB	81	---	1.28	J	---	0.786
2,2',3,3',4-PeCB	82	---	---	U	---	1.26
2,2',3,3',5-PeCB	83	83 + 99	2.66	C K B J	U	1.11
2,2',3,3',6-PeCB	84	---	---	U	---	1.24
2,2',3,4,4'-PeCB	85	85 + 116 + 117	1.15	C K B J	U	0.937
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	2.97	C B J	---	0.949
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	1.08
2,2',3,4,6'-PeCB	89	---	---	U	---	1.15
2,2',3,4',5-PeCB	90	90 + 101 + 113	3.64	C K B J	U	0.943
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.11
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	---	C U	---	1.05
2,2',3,5,6'-PeCB	94	---	---	U	---	1.17
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.715

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58688-1
 Collection Date 10-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	0.922
2,2',4,6,6'-PeCB	104	---	2.26	J	---	0.769
2,3,3',4,4'-PeCB	105	---	2.1	B J	U	0.755
2,3,3',4,5-PeCB	106	---	---	U	---	0.752
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	0.827
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.749
2,3,3',4',6-PeCB	110	110 + 115	5.39	C B J	---	0.824
2,3,3',5,5'-PeCB	111	---	---	U	---	0.825
2,3,3',5,6-PeCB	112	---	---	U	---	0.811
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	1.02	K J	U	0.768
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	4.58	B J	U	0.768
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.782
2,3',4,5',6-PeCB	121	---	---	U	---	0.818
2',3,3',4,5-PeCB	122	---	---	U	---	0.884
2',3,4,4',5-PeCB	123	---	---	U	---	0.803
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	0.854
3,3',4,5,5'-PeCB	127	---	---	U	---	0.848
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.03
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	4.16	C B J	U	1.02
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.29
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.17
2,2',3,3',4,6'-HxCB	132	---	---	U	---	1.25
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.14
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.17
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	---	C U	---	1.07
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.778
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.22
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.04
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.12
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.19
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.08

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58688-1
 Collection Date 10-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.827
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.03
2,2',3,4',5,6-HxCB	147	147 + 149	2.44	C K B J	U	1.04
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.07
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.795
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.741
2,2',4,4',5,5'-HxCB	153	153 + 168	2.94	C B J	U	0.877
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	3.01	K J	U	0.71
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	1.06
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	0.802
2,3,3',4,5,5'-HxCB	159	---	---	U	---	0.854
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	0.811
2,3,3',4',5,5'-HxCB	162	---	---	U	---	0.891
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	0.864
2,3,3',5,5',6-HxCB	165	---	---	U	---	0.927
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	0.747	K J	U	0.743
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	0.819
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	1.2
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	1.24
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.24
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.12
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	1.07
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.781
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	1.16
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	1.11
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.766
2,2',3,4,4',5,5'-HpCB	180	180 + 193	2.45	C K B J	U	0.93
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	1.15
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.06
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	1.05
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.752
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.831
2,2',3,4',5,5',6-HpCB	187	---	1.84	B J	U	1.02
2,2',3,4',5,6,6'-HpCB	188	---	1.4	K J	U	0.733
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	0.74
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	0.925
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	0.888
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	1

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58688-1
 Collection Date 10-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.16
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.22
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.16
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	0.826
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.21
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.805
2,2',3,3',5,5',6,6'-OcCB	202	---	0.984	K J	U	0.884
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.13
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	0.824
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	0.921
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	1.57
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.15
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.23
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	---	U	---	1.06
Total PCB		---	33.7	---	J	---

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

AXYS Workgroup WG46443
 KC Sample ID L58976-2
 Collection Date 17-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	1.2	B J	U	0.508
3-MoCB	2	---	0.964	B J	---	0.581
4-MoCB	3	---	1.35	K B J	U	0.525
2,2'-DiCB	4	---	---	U	---	3.35
2,3-DiCB	5	---	---	U	---	3.3
2,3'-DiCB	6	---	---	U	---	2.89
2,4-DiCB	7	---	---	U	---	2.94
2,4'-DiCB	8	---	---	U	---	2.66
2,5-DiCB	9	---	---	U	---	2.87
2,6-DiCB	10	---	---	U	---	2.77
3,3'-DiCB	11	---	5.76	B J	U	3.53
3,4-DiCB	12	12 + 13	---	C U	---	3.46
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	3.1
4,4'-DiCB	15	---	---	U	---	3.54
2,2',3-TriCB	16	---	---	U	---	1.3
2,2',4-TriCB	17	---	---	U	---	1.13
2,2',5-TriCB	18	18 + 30	1.62	C B J	U	0.923
2,2',6-TriCB	19	---	---	U	---	1
2,3,3'-TriCB	20	20 + 28	2.81	C B J	U	0.933
2,3,4-TriCB	21	21 + 33	---	C U	---	0.882
2,3,4'-TriCB	22	---	---	U	---	1.01
2,3,5-TriCB	23	---	---	U	---	0.95
2,3,6-TriCB	24	---	---	U	---	0.807
2,3',4-TriCB	25	---	---	U	---	0.799
2,3',5-TriCB	26	26 + 29	---	C U	---	0.923
2,3',6-TriCB	27	---	---	U	---	0.795
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	1.76	B J	U	0.86
2,4',6-TriCB	32	---	---	U	---	0.838
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.929
3,3',4-TriCB	35	---	---	U	---	1.1
3,3',5-TriCB	36	---	---	U	---	0.952
3,4,4'-TriCB	37	---	---	U	---	0.917
3,4,5-TriCB	38	---	---	U	---	0.97
3,4',5-TriCB	39	---	---	U	---	0.944
2,2',3,3'-TeCB	40	40 + 41 + 71	---	C U	---	1.41
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	1.38
2,2',3,5-TeCB	43	---	---	U	---	1.62
2,2',3,5'-TeCB	44	44 + 47 + 65	8.64	C B J	U, R1	1.29
2,2',3,6-TeCB	45	45 + 51	1.87	C K J	U, R1	1.37
2,2',3,6'-TeCB	46	---	---	U	---	1.6
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	1.39

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

AXYS Workgroup WG46443
 KC Sample ID L58976-2
 Collection Date 17-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	1.46	C K B J	U	1.17
2,2',4,6'-TeCB	50	50 + 53	---	C U	---	1.31
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	1.98	K B J	U	1.33
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.884
2,3,3',4'-TeCB	55	---	---	U	---	1.18
2,3,3',4'-TeCB	56	---	---	U	---	1.27
2,3,3',5'-TeCB	57	---	---	U	---	1.13
2,3,3',5'-TeCB	58	---	---	U	---	1.18
2,3,3',6'-TeCB	59	59 + 62 + 75	---	C U	---	1.06
2,3,4,4'-TeCB	60	---	---	U	---	1.24
2,3,4,5'-TeCB	61	61 + 70 + 74 + 76	5.07	C B J	U	1.15
2,3,4,6'-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5'-TeCB	63	---	---	U	---	1.12
2,3,4',6'-TeCB	64	---	1.09	K J	U	1.01
2,3,5,6'-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	1.88	B J	U	1.14
2,3',4,5'-TeCB	67	---	---	U	---	1.01
2,3',4,5'-TeCB	68	---	2.33	J	R1	1.1
2,3',4,6'-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5'-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6'-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	1.08
2,3',5',6'-TeCB	73	---	---	U	---	1.04
2,4,4',5'-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6'-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5'-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	1.09
3,3',4,5'-TeCB	78	---	---	U	---	1.23
3,3',4,5'-TeCB	79	---	---	U	---	1.07
3,3',5,5'-TeCB	80	---	---	U	---	1.12
3,4,4',5'-TeCB	81	---	---	U	---	1.09
2,2',3,3',4'-PeCB	82	---	---	U	---	1.38
2,2',3,3',5'-PeCB	83	83 + 99	1.89	C J	---	1.23
2,2',3,3',6'-PeCB	84	---	---	U	---	1.43
2,2',3,4,4'-PeCB	85	85 + 116 + 117	---	C U	---	1.05
2,2',3,4,5'-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	3.76	C K J	U	1.07
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6'-PeCB	88	88 + 91	---	C U	---	1.22
2,2',3,4,6'-PeCB	89	---	---	U	---	1.29
2,2',3,4',5'-PeCB	90	90 + 101 + 113	4.42	C K B J	U	1.09
2,2',3,4',6'-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.26
2,2',3,5,6'-PeCB	93	93 + 95 + 98 + 100 + 102	4.03	C B J	---	1.17
2,2',3,5,6'-PeCB	94	---	---	U	---	1.29
2,2',3,5',6'-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.843

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

AXYS Workgroup WG46443
 KC Sample ID L58976-2
 Collection Date 17-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	1.06
2,2',4,6,6'-PeCB	104	---	---	U	---	0.784
2,3,3',4,4'-PeCB	105	---	1.67	K J	U	1.06
2,3,3',4,5-PeCB	106	---	---	U	---	1.12
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	1.24
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	1.16
2,3,3',4',6-PeCB	110	110 + 115	4.94	C B J	---	0.938
2,3,3',5,5'-PeCB	111	---	---	U	---	0.938
2,3,3',5,6-PeCB	112	---	---	U	---	0.933
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	1.07
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	3.52	K J	U	1.08
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.879
2,3',4,5',6-PeCB	121	---	---	U	---	0.94
2',3,3',4,5-PeCB	122	---	---	U	---	1.29
2',3,4,4',5-PeCB	123	---	---	U	---	1.11
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	1.22
3,3',4,5,5'-PeCB	127	---	---	U	---	1.18
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.28
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	3.09	C K J	U	1.3
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.63
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.51
2,2',3,3',4,6'-HxCB	132	---	---	U	---	1.58
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.47
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.51
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	1.39	C B J	---	1.05
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.797
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.49
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.37
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.39
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.54
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.07

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

AXYS Workgroup WG46443
 KC Sample ID L58976-2
 Collection Date 17-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.823
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.28
2,2',3,4',5,6-HxCB	147	147 + 149	2.04	C K J	U	1.35
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.06
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.784
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.783
2,2',4,4',5,5'-HxCB	153	153 + 168	2.81	C K B J	U	1.15
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.622
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	1.25
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	1.01
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1.08
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	1.07
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.13
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	1.11
2,3,3',5,5',6-HxCB	165	---	---	U	---	1.22
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.886
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	1.05
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	1.41
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	1.35
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.35
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.19
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	1.18
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.893
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	1.28
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	1.21
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.868
2,2',3,4,4',5,5'-HpCB	180	180 + 193	---	C U	---	1.09
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	1.26
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.17
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	1.21
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.86
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.945
2,2',3,4',5,5',6-HpCB	187	---	---	U	---	1.15
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.75
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	1.33
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	1.04
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	0.984
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	1.09

Table B2-3. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Baseflow

AXYS Workgroup WG46443
 KC Sample ID L58976-2
 Collection Date 17-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	2
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	2.13
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.14
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	0.822
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.18
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.801
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	0.816
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.1
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	0.819
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	1.65
2,2',3,3',4,4',5,5',6-NoCB	206	---	---	U	---	1.74
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.37
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.33
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	---	U	---	1.3
Total PCB		---	13.2	---	J	---

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L58861-2
 Collection Date 01-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	1.94	B J	U	0.511
3-MoCB	2	---	2.12	B J	---	0.511
4-MoCB	3	---	2.62	K B J	U	0.511
2,2'-DiCB	4	---	---	U	---	2.95
2,3-DiCB	5	---	---	U	---	2.83
2,3'-DiCB	6	---	---	U	---	2.48
2,4-DiCB	7	---	---	U	---	2.52
2,4'-DiCB	8	---	---	U	---	2.28
2,5-DiCB	9	---	---	U	---	2.46
2,6-DiCB	10	---	---	U	---	2.38
3,3'-DiCB	11	---	7.21	B J	U	3.03
3,4-DiCB	12	12 + 13	---	C U	---	2.96
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	2.65
4,4'-DiCB	15	---	---	U	---	2.98
2,2',3-TriCB	16	---	---	U	---	0.857
2,2',4-TriCB	17	---	---	U	---	0.749
2,2',5-TriCB	18	18 + 30	1.4	C B J	U	0.611
2,2',6-TriCB	19	---	---	U	---	0.581
2,3,3'-TriCB	20	20 + 28	2.7	C B J	U	0.733
2,3,4-TriCB	21	21 + 33	0.845	C K B J	U	0.693
2,3,4'-TriCB	22	---	0.92	K J	U	0.795
2,3,5-TriCB	23	---	---	U	---	0.746
2,3,6-TriCB	24	---	---	U	---	0.534
2,3',4-TriCB	25	---	---	U	---	0.628
2,3',5-TriCB	26	26 + 29	---	C U	---	0.725
2,3',6-TriCB	27	---	---	U	---	0.526
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	1.22	K B J	U	0.675
2,4',6-TriCB	32	---	0.668	K B J	U	0.658
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.73
3,3',4-TriCB	35	---	---	U	---	0.861
3,3',5-TriCB	36	---	---	U	---	0.748
3,4,4'-TriCB	37	---	---	U	---	0.799
3,4,5-TriCB	38	---	---	U	---	0.762
3,4',5-TriCB	39	---	---	U	---	0.742
2,2',3,3'-TeCB	40	40 + 41 + 71	1.32	C J	---	1.06
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	1.03
2,2',3,5-TeCB	43	---	---	U	---	1.21
2,2',3,5'-TeCB	44	44 + 47 + 65	8.85	C B J	U, R1	0.961
2,2',3,6-TeCB	45	45 + 51	---	C U	R1	1.02
2,2',3,6'-TeCB	46	---	---	U	---	1.19
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	1.04

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L58861-2
 Collection Date 01-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	1.56	C B J	---	0.874
2,2',4,6-TeCB	50	50 + 53	---	C U	---	0.981
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	3.71	B J	---	0.993
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.523
2,3,3',4-TeCB	55	---	---	U	---	1.17
2,3,3',4'-TeCB	56	---	---	U	---	1.25
2,3,3',5-TeCB	57	---	---	U	---	1.11
2,3,3',5'-TeCB	58	---	---	U	---	1.16
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.79
2,3,4,4'-TeCB	60	---	---	U	---	1.22
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	5.37	C B J	U	1.13
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	1.1
2,3,4',6-TeCB	64	---	0.982	J	---	0.755
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	1.83	K B J	U	1.12
2,3',4,5-TeCB	67	---	---	U	---	0.999
2,3',4,5'-TeCB	68	---	3.12	J	R1	1.09
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	1.06
2,3',5',6-TeCB	73	---	---	U	---	0.772
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	1.27
3,3',4,5-TeCB	78	---	---	U	---	1.21
3,3',4,5'-TeCB	79	---	---	U	---	1.06
3,3',5,5'-TeCB	80	---	---	U	---	1.1
3,4,4',5-TeCB	81	---	---	U	---	1.16
2,2',3,3',4-PeCB	82	---	---	U	---	1.21
2,2',3,3',5-PeCB	83	83 + 99	4.23	C J	---	1.08
2,2',3,3',6-PeCB	84	---	---	U	---	1.26
2,2',3,4,4'-PeCB	85	85 + 116 + 117	1.49	C J	---	0.922
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	4.14	C K J	U	0.942
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	1.08
2,2',3,4,6'-PeCB	89	---	---	U	---	1.14
2,2',3,4',5-PeCB	90	90 + 101 + 113	8.08	C B J	---	0.957
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.11
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	3.31	C K B J	U	1.03
2,2',3,5,6'-PeCB	94	---	---	U	---	1.14
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.636

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L58861-2
 Collection Date 01-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	0.935
2,2',4,6,6'-PeCB	104	---	---	U	---	0.513
2,3,3',4,4'-PeCB	105	---	2.32	J	---	1.35
2,3,3',4,5-PeCB	106	---	---	U	---	1.37
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	1.52
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	1.42
2,3,3',4',6-PeCB	110	110 + 115	6.32	C B J	---	0.826
2,3,3',5,5'-PeCB	111	---	---	U	---	0.827
2,3,3',5,6-PeCB	112	---	---	U	---	0.822
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	1.35
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	7.64	J	---	1.39
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.775
2,3',4,5',6-PeCB	121	---	---	U	---	0.828
2',3,3',4,5-PeCB	122	---	---	U	---	1.58
2',3,4,4',5-PeCB	123	---	---	U	---	1.46
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	1.69
3,3',4,5,5'-PeCB	127	---	---	U	---	1.45
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.49
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	11	C J	---	1.51
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.88
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.75
2,2',3,3',4,6'-HxCB	132	---	3.03	K J	U	1.83
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.71
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.75
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	2.07	C B J	---	1.07
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.816
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.73
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.59
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.61
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.79
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.1

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L58861-2
 Collection Date 01-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.844
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.48
2,2',3,4',5,6'-HxCB	147	147 + 149	3.94	C K J	U	1.56
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.08
2,2',3,4',5',6'-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.803
2,2',3,5,5',6'-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.802
2,2',4,4',5,5'-HxCB	153	153 + 168	9.51	C K B J	U	1.33
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.58
2,3,3',4,4',5'-HxCB	156	156 + 157	1.82	C J	---	1.5
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6'-HxCB	158	---	---	U	---	1.17
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1.26
2,3,3',4,5,6'-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6'-HxCB	161	---	---	U	---	1.24
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.31
2,3,3',4',5,6'-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6'-HxCB	164	---	---	U	---	1.29
2,3,3',5,5',6'-HxCB	165	---	---	U	---	1.41
2,3,4,4',5,6'-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	1.07
2,3',4,4',5',6'-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	1.27
2,2',3,3',4,4',5'-HpCB	170	---	---	U	---	1.34
2,2',3,3',4,4',6'-HpCB	171	171 + 173	---	C U	---	1.3
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.3
2,2',3,3',4,5,6'-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.15
2,2',3,3',4,5',6'-HpCB	175	---	---	U	---	1.13
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.858
2,2',3,3',4',5,6'-HpCB	177	---	---	U	---	1.23
2,2',3,3',5,5',6'-HpCB	178	---	---	U	---	1.17
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.834
2,2',3,4,4',5,5'-HpCB	180	180 + 193	1.39	C K B J	U	1.04
2,2',3,4,4',5,6'-HpCB	181	---	---	U	---	1.22
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.13
2,2',3,4,4',5',6'-HpCB	183	183 + 185	---	C U	---	1.16
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.827
2,2',3,4,5,5',6'-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.909
2,2',3,4',5,5',6'-HpCB	187	---	---	U	---	1.11
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.685
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	1.16
2,3,3',4,4',5,6'-HpCB	190	---	---	U	---	0.996
2,3,3',4,4',5',6'-HpCB	191	---	---	U	---	0.946
2,3,3',4,5,5',6'-HpCB	192	---	---	U	---	1.05

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L58861-2
 Collection Date 01-Oct-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.47
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.56
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.26
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	0.909
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.31
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.887
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	0.921
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.21
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	0.906
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	1.18
2,2',3,3',4,4',5,5',6-NoCB	206	---	---	U	---	1.86
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.47
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.42
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	1.52	K J	U	1.21
Total PCB		---	54.7	---	J	---

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59148-2
 Collection Date 07-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	2.59	B J	U	0.516
3-MoCB	2	---	2.67	K B J	U	0.516
4-MoCB	3	---	3.35	K B J	U	0.516
2,2'-DiCB	4	---	---	U	---	2.6
2,3-DiCB	5	---	---	U	---	2.38
2,3'-DiCB	6	---	---	U	---	2.04
2,4-DiCB	7	---	---	U	---	2.09
2,4'-DiCB	8	---	---	U	---	1.84
2,5-DiCB	9	---	---	U	---	2.06
2,6-DiCB	10	---	---	U	---	2.01
3,3'-DiCB	11	---	16.1	B J	U	2.44
3,4-DiCB	12	12 + 13	---	C U	---	2.43
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	2.17
4,4'-DiCB	15	---	---	U	---	2.46
2,2',3-TriCB	16	---	---	U	---	1
2,2',4-TriCB	17	---	1.56	K B J	U	0.904
2,2',5-TriCB	18	18 + 30	1.79	C B J	U	0.738
2,2',6-TriCB	19	---	---	U	---	0.863
2,3,3'-TriCB	20	20 + 28	3.74	C B J	U	0.705
2,3,4-TriCB	21	21 + 33	1.38	C K B J	U	0.664
2,3,4'-TriCB	22	---	0.844	K J	U	0.756
2,3,5-TriCB	23	---	---	U	---	0.711
2,3,6-TriCB	24	---	---	U	---	0.685
2,3',4-TriCB	25	---	---	U	---	0.615
2,3',5-TriCB	26	26 + 29	---	C U	---	0.687
2,3',6-TriCB	27	---	---	U	---	0.631
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.48	B J	U	0.634
2,4',6-TriCB	32	---	---	U	---	0.653
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.7
3,3',4-TriCB	35	---	---	U	---	0.817
3,3',5-TriCB	36	---	---	U	---	0.733
3,4,4'-TriCB	37	---	---	U	---	0.77
3,4,5-TriCB	38	---	---	U	---	0.74
3,4',5-TriCB	39	---	---	U	---	0.71
2,2',3,3'-TeCB	40	40 + 41 + 71	---	C U	---	1.15
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	1.12
2,2',3,5-TeCB	43	---	---	U	---	1.36
2,2',3,5'-TeCB	44	44 + 47 + 65	10	C B J	U, R1	1.05
2,2',3,6-TeCB	45	45 + 51	1.42	C J	R1	1.14
2,2',3,6'-TeCB	46	---	---	U	---	1.31
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	1.13

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59148-2
 Collection Date 07-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	1.57	C B J	---	0.954
2,2',4,6-TeCB	50	50 + 53	---	C U	---	1.09
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	2.52	B J	---	1.08
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.766
2,3,3',4-TeCB	55	---	---	U	---	0.959
2,3,3',4'-TeCB	56	---	---	U	---	0.995
2,3,3',5-TeCB	57	---	---	U	---	0.914
2,3,3',5'-TeCB	58	---	---	U	---	0.968
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.858
2,3,4,4'-TeCB	60	---	---	U	---	0.968
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	3.42	C B J	U	0.908
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	0.88
2,3,4',6-TeCB	64	---	---	U	---	0.832
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	1.72	K B J	U	0.907
2,3',4,5-TeCB	67	---	---	U	---	0.813
2,3',4,5'-TeCB	68	---	3.32	K J	U, R1	0.889
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.864
2,3',5',6-TeCB	73	---	---	U	---	0.842
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	1.01
3,3',4,5-TeCB	78	---	---	U	---	1.03
3,3',4,5'-TeCB	79	---	---	U	---	0.878
3,3',5,5'-TeCB	80	---	---	U	---	0.879
3,4,4',5-TeCB	81	---	---	U	---	0.974
2,2',3,3',4-PeCB	82	---	---	U	---	1.22
2,2',3,3',5-PeCB	83	83 + 99	1.32	C K J	U	1.07
2,2',3,3',6-PeCB	84	---	---	U	---	1.17
2,2',3,4,4'-PeCB	85	85 + 116 + 117	---	C U	---	0.915
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	2.78	C J	---	0.936
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	1.03
2,2',3,4,6'-PeCB	89	---	---	U	---	1.11
2,2',3,4',5-PeCB	90	90 + 101 + 113	3.13	C B J	---	0.954
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.09
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	2.64	C B J	---	1
2,2',3,5,6'-PeCB	94	---	---	U	---	1.11
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.906

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59148-2
 Collection Date 07-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	0.916
2,2',4,6,6'-PeCB	104	---	---	U	---	0.879
2,3,3',4,4'-PeCB	105	---	1.03	J	---	0.808
2,3,3',4,5-PeCB	106	---	---	U	---	0.81
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	0.886
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.833
2,3,3',4',6-PeCB	110	110 + 115	2.79	C B J	---	0.82
2,3,3',5,5'-PeCB	111	---	---	U	---	0.833
2,3,3',5,6-PeCB	112	---	---	U	---	0.806
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	0.812
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	1.57	K J	U	0.806
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.786
2,3',4,5',6-PeCB	121	---	---	U	---	0.795
2',3,3',4,5-PeCB	122	---	---	U	---	0.956
2',3,4,4',5-PeCB	123	---	---	U	---	0.848
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	1.03
3,3',4,5,5'-PeCB	127	---	---	U	---	0.912
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.22
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	---	C U	---	1.22
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.47
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.38
2,2',3,3',4,6'-HxCB	132	---	---	U	---	1.48
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.36
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.4
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	---	C U	---	1.27
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.967
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.36
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.25
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.3
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.41
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.29

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59148-2
 Collection Date 07-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	1.03
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.16
2,2',3,4',5,6-HxCB	147	147 + 149	1.59	C K J	U	1.24
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.29
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.969
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.939
2,2',4,4',5,5'-HxCB	153	153 + 168	1.22	C K B J	U	1.08
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.778
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	1.29
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	0.98
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1.03
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	1.01
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.08
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	1.04
2,3,3',5,5',6-HxCB	165	---	---	U	---	1.13
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.916
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	1.18
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	1.3
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	1.3
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.32
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.16
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	1.14
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.859
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	1.22
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	1.21
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.832
2,2',3,4,4',5,5'-HpCB	180	180 + 193	---	C U	---	1.02
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	1.22
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.13
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	1.15
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.83
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.919
2,2',3,4',5,5',6-HpCB	187	---	---	U	---	1.1
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.758
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	1.09
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	0.992
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	0.973
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	1.08

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup **WG46443**
 KC Sample ID **L59148-2**
 Collection Date **07-Nov-13**

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.21
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.24
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.27
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	0.925
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.34
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.896
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	0.977
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.22
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	0.945
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	1.01
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	1.81
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.31
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.31
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	---	U	---	1.76
Total PCB		---	16.5	---	J	---

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443

KC Sample ID L59148-3

Collection Date 07-Nov-13

Replicate to L59148-2

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	2.43	B J	U	0.515
3-MoCB	2	---	1.98	B J	---	0.515
4-MoCB	3	---	3.76	B J	---	0.515
2,2'-DiCB	4	---	---	U	---	2.24
2,3-DiCB	5	---	---	U	---	2.07
2,3'-DiCB	6	---	---	U	---	1.78
2,4-DiCB	7	---	---	U	---	1.82
2,4'-DiCB	8	---	1.98	K B J	U	1.61
2,5-DiCB	9	---	---	U	---	1.79
2,6-DiCB	10	---	---	U	---	1.76
3,3'-DiCB	11	---	18	B J	U	2.12
3,4-DiCB	12	12 + 13	---	C U	---	2.12
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	1.89
4,4'-DiCB	15	---	---	U	---	2.16
2,2',3-TriCB	16	---	---	U	---	0.961
2,2',4-TriCB	17	---	1.71	B J	---	0.869
2,2',5-TriCB	18	18 + 30	1.82	C K B J	U	0.709
2,2',6-TriCB	19	---	---	U	---	0.824
2,3,3'-TriCB	20	20 + 28	3.27	C B J	U	0.854
2,3,4-TriCB	21	21 + 33	1.24	C B J	---	0.803
2,3,4'-TriCB	22	---	1.06	K J	U	0.916
2,3,5-TriCB	23	---	---	U	---	0.861
2,3,6-TriCB	24	---	---	U	---	0.659
2,3',4-TriCB	25	---	---	U	---	0.744
2,3',5-TriCB	26	26 + 29	---	C U	---	0.831
2,3',6-TriCB	27	---	---	U	---	0.607
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.35	B J	U	0.767
2,4',6-TriCB	32	---	---	U	---	0.79
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.848
3,3',4-TriCB	35	---	---	U	---	0.989
3,3',5-TriCB	36	---	---	U	---	0.887
3,4,4'-TriCB	37	---	0.999	K J	U	0.933
3,4,5-TriCB	38	---	---	U	---	0.896
3,4',5-TriCB	39	---	---	U	---	0.86
2,2',3,3'-TeCB	40	40 + 41 + 71	---	C U	---	1.07
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	1.03
2,2',3,5-TeCB	43	---	---	U	---	1.25
2,2',3,5'-TeCB	44	44 + 47 + 65	11.3	C B J	U, R1	0.974
2,2',3,6-TeCB	45	45 + 51	1.75	C K J	U, R1	1.05
2,2',3,6'-TeCB	46	---	---	U	---	1.21
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	1.04

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59148-3
 Collection Date 07-Nov-13

Replicate to L59148-2

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	1.28	C B J	---	0.882
2,2',4,6-TeCB	50	50 + 53	---	C U	---	1.01
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	2.72	K B J	U	0.998
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.738
2,3,3',4-TeCB	55	---	---	U	---	0.838
2,3,3',4'-TeCB	56	---	---	U	---	0.87
2,3,3',5-TeCB	57	---	---	U	---	0.8
2,3,3',5'-TeCB	58	---	---	U	---	0.847
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.793
2,3,4,4'-TeCB	60	---	---	U	---	0.847
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	2.9	C K B J	U	0.794
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	0.77
2,3,4',6-TeCB	64	---	---	U	---	0.769
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	1.38	B J	U	0.794
2,3',4,5-TeCB	67	---	---	U	---	0.711
2,3',4,5'-TeCB	68	---	5.86	J	R1	0.777
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.756
2,3',5',6-TeCB	73	---	---	U	---	0.778
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	0.876
3,3',4,5-TeCB	78	---	---	U	---	0.904
3,3',4,5'-TeCB	79	---	---	U	---	0.768
3,3',5,5'-TeCB	80	---	---	U	---	0.769
3,4,4',5-TeCB	81	---	---	U	---	0.832
2,2',3,3',4-PeCB	82	---	---	U	---	0.941
2,2',3,3',5-PeCB	83	83 + 99	1.09	C J	---	0.825
2,2',3,3',6-PeCB	84	---	---	U	---	0.901
2,2',3,4,4'-PeCB	85	85 + 116 + 117	0.733	C K J	U	0.704
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	1.63	C J	---	0.72
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	0.795
2,2',3,4,6'-PeCB	89	---	---	U	---	0.853
2,2',3,4',5-PeCB	90	90 + 101 + 113	1.86	C K B J	U	0.734
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	0.836
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	2.39	C K B J	U	0.771
2,2',3,5,6'-PeCB	94	---	---	U	---	0.852
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.697

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59148-3
 Collection Date 07-Nov-13

Replicate to L59148-2

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	0.704
2,2',4,6,6'-PeCB	104	---	---	U	---	0.743
2,3,3',4,4'-PeCB	105	---	0.958	K J	U	0.6
2,3,3',4,5-PeCB	106	---	---	U	---	0.651
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	0.713
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.67
2,3,3',4',6-PeCB	110	110 + 115	2.53	C B J	---	0.631
2,3,3',5,5'-PeCB	111	---	---	U	---	0.641
2,3,3',5,6-PeCB	112	---	---	U	---	0.62
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	0.652
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	1.49	K J	U	0.662
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.605
2,3',4,5',6-PeCB	121	---	---	U	---	0.611
2',3,3',4,5-PeCB	122	---	---	U	---	0.769
2',3,4,4',5-PeCB	123	---	---	U	---	0.678
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	0.785
3,3',4,5,5'-PeCB	127	---	---	U	---	0.734
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.08
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	2.02	C K J	U	1.09
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.3
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.23
2,2',3,3',4,6'-HxCB	132	---	---	U	---	1.32
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.21
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.24
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	---	C U	---	1.14
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.867
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.21
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.12
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.16
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.25
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.15

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59148-3
 Collection Date 07-Nov-13

Replicate to L59148-2

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.924
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.04
2,2',3,4',5,6-HxCB	147	147 + 149	---	C U	---	1.1
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.16
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.868
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.842
2,2',4,4',5,5'-HxCB	153	153 + 168	2.16	C K B J	U	0.96
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.768
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	1.14
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	0.872
2,3,3',4,5,5'-HxCB	159	---	---	U	---	0.918
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	0.895
2,3,3',4',5,5'-HxCB	162	---	---	U	---	0.958
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	0.928
2,3,3',5,5',6-HxCB	165	---	---	U	---	1
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.813
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	0.975
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	0.994
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	0.999
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.02
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	0.889
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	0.877
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.661
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	0.939
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	0.929
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.64
2,2',3,4,4',5,5'-HpCB	180	180 + 193	0.942	C B J	U	0.815
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	0.942
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	0.867
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	0.884
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.638
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.707
2,2',3,4',5,5',6-HpCB	187	---	---	U	---	0.845
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.595
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	0.986
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	0.764
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	0.749
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	0.828

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup **WG46443**
 KC Sample ID **L59148-3**
 Collection Date **07-Nov-13**

Replicate to L59148-2

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.3
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.33
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.17
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	0.854
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.23
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.828
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	0.921
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.12
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	0.873
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	1.06
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	1.62
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.19
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.19
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	8.11	J	---	1.28
Total PCB		---	23.3	---	J	---

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59240-2
 Collection Date 19-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	3.27	B J	U	0.512
3-MoCB	2	---	2.39	B J	---	0.512
4-MoCB	3	---	4.93	B J	---	0.512
2,2'-DiCB	4	---	---	U	---	2.23
2,3-DiCB	5	---	---	U	---	1.91
2,3'-DiCB	6	---	---	U	---	1.63
2,4-DiCB	7	---	---	U	---	1.67
2,4'-DiCB	8	---	2.36	K B J	U	1.48
2,5-DiCB	9	---	---	U	---	1.65
2,6-DiCB	10	---	---	U	---	1.61
3,3'-DiCB	11	---	14.1	B J	U	1.95
3,4-DiCB	12	12 + 13	---	C U	---	1.95
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	1.74
4,4'-DiCB	15	---	2.03	K J	U	1.89
2,2',3-TriCB	16	---	1.42	K B J	U	0.781
2,2',4-TriCB	17	---	1.51	K B J	U	0.706
2,2',5-TriCB	18	18 + 30	2.87	C K B J	U	0.576
2,2',6-TriCB	19	---	---	U	---	0.752
2,3,3'-TriCB	20	20 + 28	5.68	C B J	U	0.559
2,3,4-TriCB	21	21 + 33	2.31	C B J	---	0.526
2,3,4'-TriCB	22	---	1.65	K J	U	0.6
2,3,5-TriCB	23	---	---	U	---	0.564
2,3,6-TriCB	24	---	---	U	---	0.535
2,3',4-TriCB	25	---	---	U	---	0.512
2,3',5-TriCB	26	26 + 29	1.2	C J	---	0.545
2,3',6-TriCB	27	---	---	U	---	0.512
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	3.59	B J	U	0.512
2,4',6-TriCB	32	---	0.956	B J	U	0.518
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.556
3,3',4-TriCB	35	---	---	U	---	0.648
3,3',5-TriCB	36	---	---	U	---	0.581
3,4,4'-TriCB	37	---	1.53	J	---	0.571
3,4,5-TriCB	38	---	---	U	---	0.587
3,4',5-TriCB	39	---	---	U	---	0.563
2,2',3,3'-TeCB	40	40 + 41 + 71	1.57	C J	---	0.757
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	0.735
2,2',3,5-TeCB	43	---	---	U	---	0.892
2,2',3,5'-TeCB	44	44 + 47 + 65	8.69	C B J	U, R1	0.693
2,2',3,6-TeCB	45	45 + 51	1.09	C K J	U, R1	0.748
2,2',3,6'-TeCB	46	---	---	U	---	0.86
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	0.741

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59240-2
 Collection Date 19-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	1.47	C K B J	U	0.628
2,2',4,6-TeCB	50	50 + 53	---	C U	---	0.718
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	3.92	K B J	U	0.71
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.547
2,3,3',4-TeCB	55	---	---	U	---	0.673
2,3,3',4'-TeCB	56	---	1.47	J	---	0.698
2,3,3',5-TeCB	57	---	---	U	---	0.641
2,3,3',5'-TeCB	58	---	---	U	---	0.679
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.564
2,3,4,4'-TeCB	60	---	---	U	---	0.679
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	5.86	C K B J	U	0.637
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	0.617
2,3,4',6-TeCB	64	---	1.52	K J	U	0.547
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	2.51	B J	U	0.637
2,3',4,5-TeCB	67	---	---	U	---	0.571
2,3',4,5'-TeCB	68	---	2.51	K J	U, R1	0.624
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.606
2,3',5',6-TeCB	73	---	---	U	---	0.553
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	0.774	K J	U	0.693
3,3',4,5-TeCB	78	---	---	U	---	0.725
3,3',4,5'-TeCB	79	---	---	U	---	0.616
3,3',5,5'-TeCB	80	---	---	U	---	0.616
3,4,4',5-TeCB	81	---	---	U	---	0.658
2,2',3,3',4-PeCB	82	---	---	U	---	0.737
2,2',3,3',5-PeCB	83	83 + 99	2.4	C J	---	0.646
2,2',3,3',6-PeCB	84	---	1.54	J	---	0.706
2,2',3,4,4'-PeCB	85	85 + 116 + 117	0.671	C J	---	0.551
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	3.39	C J	---	0.564
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	0.623
2,2',3,4,6'-PeCB	89	---	---	U	---	0.668
2,2',3,4',5-PeCB	90	90 + 101 + 113	4.12	C B J	---	0.575
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	1.08	K J	U	0.655
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	3.29	C K B J	U	0.604
2,2',3,5,6'-PeCB	94	---	---	U	---	0.668
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.659

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59240-2
 Collection Date 19-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	0.552
2,2',4,6,6'-PeCB	104	---	---	U	---	0.679
2,3,3',4,4'-PeCB	105	---	1.77	J	---	0.71
2,3,3',4,5-PeCB	106	---	---	U	---	0.804
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	0.88
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.826
2,3,3',4',6-PeCB	110	110 + 115	3.76	C B J	---	0.512
2,3,3',5,5'-PeCB	111	---	---	U	---	0.512
2,3,3',5,6-PeCB	112	---	---	U	---	0.512
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	0.835
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	3.74	K J	U	0.838
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.512
2,3',4,5',6-PeCB	121	---	---	U	---	0.512
2',3,3',4,5-PeCB	122	---	---	U	---	0.949
2',3,4,4',5-PeCB	123	---	---	U	---	0.843
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	0.96
3,3',4,5,5'-PeCB	127	---	---	U	---	0.905
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.43
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	6.5	C J	---	1.43
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.72
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.62
2,2',3,3',4,6'-HxCB	132	---	---	U	---	1.74
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.6
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.64
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	2.5	C B J	---	1.13
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.865
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.6
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.47
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.52
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.65
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.15

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59240-2
 Collection Date 19-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.922
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.37
2,2',3,4',5,6'-HxCB	147	147 + 149	4.3	C K J	U	1.45
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.16
2,2',3,4',5',6'-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.866
2,2',3,5,5',6'-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.839
2,2',4,4',5,5'-HxCB	153	153 + 168	4.93	C B J	U	1.27
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.55
2,3,3',4,4',5'-HxCB	156	156 + 157	---	C U	---	1.94
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6'-HxCB	158	---	---	U	---	1.15
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1.21
2,3,3',4,5,6'-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6'-HxCB	161	---	---	U	---	1.18
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.26
2,3,3',4',5,6'-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6'-HxCB	164	---	---	U	---	1.22
2,3,3',5,5',6'-HxCB	165	---	---	U	---	1.32
2,3,4,4',5,6'-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	1.36
2,3',4,4',5',6'-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	0.988
2,2',3,3',4,4',5'-HpCB	170	---	---	U	---	1.32
2,2',3,3',4,4',6'-HpCB	171	171 + 173	---	C U	---	0.94
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	0.957
2,2',3,3',4,5,6'-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	0.837
2,2',3,3',4,5',6'-HpCB	175	---	---	U	---	0.825
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.622
2,2',3,3',4',5,6'-HpCB	177	---	---	U	---	0.883
2,2',3,3',5,5',6'-HpCB	178	---	---	U	---	0.874
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.602
2,2',3,4,4',5,5'-HpCB	180	180 + 193	2.89	C B J	U	1.22
2,2',3,4,4',5,6'-HpCB	181	---	---	U	---	0.886
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	0.815
2,2',3,4,4',5',6'-HpCB	183	183 + 185	---	C U	---	0.831
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.601
2,2',3,4,5,5',6'-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.665
2,2',3,4',5,5',6'-HpCB	187	---	1.37	K J	U	0.795
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.623
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	0.706
2,3,3',4,4',5,6'-HpCB	190	---	---	U	---	0.718
2,3,3',4,4',5',6'-HpCB	191	---	---	U	---	0.704
2,3,3',4,5,5',6'-HpCB	192	---	---	U	---	0.779

Table B2-4. PCB Congener AXYS Analytical Data for Sunday Creek (SC319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59240-2
 Collection Date 19-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.07
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.1
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.33
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	0.972
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.41
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.942
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	1.48
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.28
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	0.993
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	0.691
2,2',3,3',4,4',5,5',6-NoCB	206	---	---	U	---	1.3
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	0.977
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.01
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	1.34	K J	U	0.894
Total PCB		---	42.1	---	J	---

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58246-1
 Collection Date 10-Jul-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	1.08	K B J	U	0.587
3-MoCB	2	---	1.1	B J	---	0.666
4-MoCB	3	---	2.34	K B J	U	0.647
2,2'-DiCB	4	---	---	U	---	7.78
2,3-DiCB	5	---	---	U	---	5.82
2,3'-DiCB	6	---	---	U	---	5.22
2,4-DiCB	7	---	---	U	---	5.33
2,4'-DiCB	8	---	---	U	---	4.81
2,5-DiCB	9	---	---	U	---	5.19
2,6-DiCB	10	---	---	U	---	5.38
3,3'-DiCB	11	---	8.58	B J	U	5.68
3,4-DiCB	12	12 + 13	---	C U	---	5.73
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	5.36
4,4'-DiCB	15	---	---	U	---	6.16
2,2',3-TriCB	16	---	---	U	---	1.53
2,2',4-TriCB	17	---	3.33	B J	---	1.29
2,2',5-TriCB	18	18 + 30	2.33	C B J	---	1.06
2,2',6-TriCB	19	---	---	U	---	1.38
2,3,3'-TriCB	20	20 + 28	6.23	C B J	U	0.63
2,3,4-TriCB	21	21 + 33	1.92	C B J	---	0.62
2,3,4'-TriCB	22	---	1.49	B J	---	0.693
2,3,5-TriCB	23	---	---	U	---	0.675
2,3,6-TriCB	24	---	---	U	---	0.908
2,3',4-TriCB	25	---	1.36	B J	U	0.547
2,3',5-TriCB	26	26 + 29	0.661	C B J	---	0.635
2,3',6-TriCB	27	---	---	U	---	0.886
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.48	B J	U	0.596
2,4',6-TriCB	32	---	0.701	B J	---	0.595
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.64
3,3',4-TriCB	35	---	---	U	---	0.702
3,3',5-TriCB	36	---	---	U	---	0.629
3,4,4'-TriCB	37	---	---	U	---	0.692
3,4,5-TriCB	38	---	---	U	---	0.67
3,4',5-TriCB	39	---	---	U	---	0.643
2,2',3,3'-TeCB	40	40 + 41 + 71	1.58	C K B J	U	0.962
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	1.02
2,2',3,5-TeCB	43	---	---	U	---	1.18
2,2',3,5'-TeCB	44	44 + 47 + 65	44.8	C B	R1	0.878
2,2',3,6-TeCB	45	45 + 51	10.7	C B J	R1	0.941
2,2',3,6'-TeCB	46	---	---	U	---	1.11
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	0.966

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58246-1
 Collection Date 10-Jul-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	2.12	C B J	U	0.802
2,2',4,6-TeCB	50	50 + 53	---	C U	---	0.913
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	2.82	B J	---	0.885
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.82
2,3,3',4-TeCB	55	---	---	U	---	0.964
2,3,3',4'-TeCB	56	---	1.19	K B J	U	0.954
2,3,3',5-TeCB	57	---	---	U	---	0.874
2,3,3',5'-TeCB	58	---	---	U	---	0.898
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.712
2,3,4,4'-TeCB	60	---	---	U	---	0.951
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	4.64	C B J	U	0.901
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	0.867
2,3,4',6-TeCB	64	---	1.06	K B J	U	0.686
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	2.26	B J	U	0.838
2,3',4,5-TeCB	67	---	---	U	---	0.78
2,3',4,5'-TeCB	68	---	93.8	---	R1	0.81
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.81
2,3',5',6-TeCB	73	---	---	U	---	0.7
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	0.952
3,3',4,5-TeCB	78	---	---	U	---	1.02
3,3',4,5'-TeCB	79	---	---	U	---	0.894
3,3',5,5'-TeCB	80	---	---	U	---	0.854
3,4,4',5-TeCB	81	---	---	U	---	1.04
2,2',3,3',4-PeCB	82	---	---	U	---	1.27
2,2',3,3',5-PeCB	83	83 + 99	2.1	C B J	U	1.05
2,2',3,3',6-PeCB	84	---	1.24	B J	---	1.16
2,2',3,4,4'-PeCB	85	85 + 116 + 117	1	C K B J	U	0.929
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	3.06	C B J	---	0.958
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	1.01
2,2',3,4,6'-PeCB	89	---	---	U	---	1.07
2,2',3,4',5-PeCB	90	90 + 101 + 113	3.22	C B J	---	0.944
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.02
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	3.33	C B J	---	0.975
2,2',3,5,6'-PeCB	94	---	---	U	---	1.07
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.737

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58246-1
 Collection Date 10-Jul-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	0.873
2,2',4,6,6'-PeCB	104	---	---	U	---	0.971
2,3,3',4,4'-PeCB	105	---	1.6	B J	U	0.895
2,3,3',4,5-PeCB	106	---	---	U	---	0.969
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	1.06
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.966
2,3,3',4',6-PeCB	110	110 + 115	4.95	C B J	---	0.815
2,3,3',5,5'-PeCB	111	---	---	U	---	0.859
2,3,3',5,6-PeCB	112	---	---	U	---	0.797
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	0.933
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	3.43	B J	U	0.908
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.804
2,3',4,5',6-PeCB	121	---	---	U	---	0.763
2',3,3',4,5-PeCB	122	---	---	U	---	1.16
2',3,4,4',5-PeCB	123	---	---	U	---	0.976
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	1.01
3,3',4,5,5'-PeCB	127	---	---	U	---	1.09
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.47
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	5.15	C B J	U	1.44
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.89
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.66
2,2',3,3',4,6'-HxCB	132	---	---	U	---	1.8
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.67
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.56
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	---	C U	---	1.3
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.902
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.77
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.39
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.64
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.72
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.31

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58246-1
 Collection Date 10-Jul-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.972
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.49
2,2',3,4',5,6'-HxCB	147	147 + 149	3.39	C K B J	U	1.44
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.33
2,2',3,4',5',6'-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.922
2,2',3,5,5',6'-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.901
2,2',4,4',5,5'-HxCB	153	153 + 168	4.13	C B J	U	1.26
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.974
2,3,3',4,4',5'-HxCB	156	156 + 157	---	C U	---	1.34
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6'-HxCB	158	---	---	U	---	1.11
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1.17
2,3,3',4,5,6'-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6'-HxCB	161	---	---	U	---	1.17
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.22
2,3,3',4',5,6'-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6'-HxCB	164	---	---	U	---	1.26
2,3,3',5,5',6'-HxCB	165	---	---	U	---	1.39
2,3,4,4',5,6'-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.966
2,3',4,4',5',6'-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	1.06
2,2',3,3',4,4',5'-HpCB	170	---	---	U	---	1.48
2,2',3,3',4,4',6'-HpCB	171	171 + 173	---	C U	---	1.58
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.59
2,2',3,3',4,5,6'-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.47
2,2',3,3',4,5',6'-HpCB	175	---	---	U	---	1.39
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	1.05
2,2',3,3',4',5,6'-HpCB	177	---	---	U	---	1.44
2,2',3,3',5,5',6'-HpCB	178	---	---	U	---	1.42
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.971
2,2',3,4,4',5,5'-HpCB	180	180 + 193	1.67	C K B J	U	1.16
2,2',3,4,4',5,6'-HpCB	181	---	---	U	---	1.47
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.45
2,2',3,4,4',5',6'-HpCB	183	183 + 185	---	C U	---	1.41
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.992
2,2',3,4,5,5',6'-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	1.12
2,2',3,4',5,5',6'-HpCB	187	---	1.57	B J	U	1.35
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.925
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	1.02
2,3,3',4,4',5,6'-HpCB	190	---	---	U	---	1.1
2,3,3',4,4',5',6'-HpCB	191	---	---	U	---	1.1
2,3,3',4,5,5',6'-HpCB	192	---	---	U	---	1.25

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58246-1
 Collection Date 10-Jul-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.37
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.48
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.43
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	1.07
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.51
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	1.09
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	1.14
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.41
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	1.1
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	1.06
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	1.93
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.45
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.5
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	1.3	B J	U	1.29
Total PCB		---	30.2	---	J	---

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58708-1
 Collection Date 10-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	1.2	B J	---	0.512
3-MoCB	2	---	1.36	K B J	U	0.512
4-MoCB	3	---	2.15	K B J	U	0.512
2,2'-DiCB	4	---	---	U	---	1.96
2,3-DiCB	5	---	---	U	---	1.45
2,3'-DiCB	6	---	---	U	---	1.28
2,4-DiCB	7	---	---	U	---	1.29
2,4'-DiCB	8	---	1.88	K B J	U	1.15
2,5-DiCB	9	---	---	U	---	1.25
2,6-DiCB	10	---	---	U	---	1.26
3,3'-DiCB	11	---	9.28	B J	U	1.41
3,4-DiCB	12	12 + 13	---	C U	---	1.41
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	1.3
4,4'-DiCB	15	---	---	U	---	1.49
2,2',3-TriCB	16	---	---	U	---	0.952
2,2',4-TriCB	17	---	2.56	B J	---	0.89
2,2',5-TriCB	18	18 + 30	1.85	C B J	---	0.712
2,2',6-TriCB	19	---	---	U	---	0.934
2,3,3'-TriCB	20	20 + 28	5.3	C B J	U	0.551
2,3,4-TriCB	21	21 + 33	2.01	C B J	---	0.531
2,3,4'-TriCB	22	---	1.45	B J	---	0.634
2,3,5-TriCB	23	---	---	U	---	0.586
2,3,6-TriCB	24	---	---	U	---	0.65
2,3',4-TriCB	25	---	1.12	B J	U	0.512
2,3',5-TriCB	26	26 + 29	0.571	C B J	---	0.562
2,3',6-TriCB	27	---	---	U	---	0.591
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.3	B J	U	0.522
2,4',6-TriCB	32	---	0.764	K B J	U	0.517
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.563
3,3',4-TriCB	35	---	---	U	---	0.66
3,3',5-TriCB	36	---	---	U	---	0.567
3,4,4'-TriCB	37	---	1.03	B J	U	0.623
3,4,5-TriCB	38	---	---	U	---	0.569
3,4',5-TriCB	39	---	---	U	---	0.578
2,2',3,3'-TeCB	40	40 + 41 + 71	2.33	C B J	---	0.905
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	0.919
2,2',3,5-TeCB	43	---	---	U	---	0.995
2,2',3,5'-TeCB	44	44 + 47 + 65	46.4	C B	R1	0.811
2,2',3,6-TeCB	45	45 + 51	14.6	C K B J	U, R1	0.871
2,2',3,6'-TeCB	46	---	---	U	---	1.03
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	0.906

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58708-1
 Collection Date 10-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	2.62	C K B J	U	0.745
2,2',4,6-TeCB	50	50 + 53	---	C U	---	0.837
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	3.34	B J	---	0.81
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.638
2,3,3',4-TeCB	55	---	---	U	---	1.07
2,3,3',4'-TeCB	56	---	1.33	K B J	U	1.07
2,3,3',5-TeCB	57	---	---	U	---	0.968
2,3,3',5'-TeCB	58	---	---	U	---	0.991
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.66
2,3,4,4'-TeCB	60	---	---	U	---	1.07
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	5.32	C B J	U	0.967
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	0.936
2,3,4',6-TeCB	64	---	1.51	K B J	U	0.644
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	2.69	B J	U	0.93
2,3',4,5-TeCB	67	---	---	U	---	0.827
2,3',4,5'-TeCB	68	---	66	---	R1	0.928
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.897
2,3',5',6-TeCB	73	---	---	U	---	0.688
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	1.02
3,3',4,5-TeCB	78	---	---	U	---	1.07
3,3',4,5'-TeCB	79	---	---	U	---	0.828
3,3',5,5'-TeCB	80	---	---	U	---	0.961
3,4,4',5-TeCB	81	---	---	U	---	1.05
2,2',3,3',4-PeCB	82	---	---	U	---	1.58
2,2',3,3',5-PeCB	83	83 + 99	2.7	C B J	U	1.39
2,2',3,3',6-PeCB	84	---	---	U	---	1.56
2,2',3,4,4'-PeCB	85	85 + 116 + 117	1.4	C B J	U	1.18
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	4.2	C B J	---	1.19
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	1.36
2,2',3,4,6'-PeCB	89	---	---	U	---	1.45
2,2',3,4',5-PeCB	90	90 + 101 + 113	4.31	C B J	---	1.19
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.39
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	4.17	C K B J	U	1.32
2,2',3,5,6'-PeCB	94	---	---	U	---	1.47
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.797

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58708-1
 Collection Date 10-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	1.16
2,2',4,6,6'-PeCB	104	---	---	U	---	0.809
2,3,3',4,4'-PeCB	105	---	1.76	K B J	U	0.969
2,3,3',4,5-PeCB	106	---	---	U	---	0.947
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	1.04
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.944
2,3,3',4',6-PeCB	110	110 + 115	5.81	C B J	---	1.04
2,3,3',5,5'-PeCB	111	---	---	U	---	1.04
2,3,3',5,6-PeCB	112	---	---	U	---	1.02
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	1
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	3.45	B J	U	0.948
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.984
2,3',4,5',6-PeCB	121	---	---	U	---	1.03
2',3,3',4,5-PeCB	122	---	---	U	---	1.11
2',3,4,4',5-PeCB	123	---	---	U	---	1.03
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	1.1
3,3',4,5,5'-PeCB	127	---	---	U	---	1.07
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.09
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	5.39	C K B J	U	1.08
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.36
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.23
2,2',3,3',4,6'-HxCB	132	---	1.84	B J	U	1.32
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.2
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.23
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	---	C U	---	1.23
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.896
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.29
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.1
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.18
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.25
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.25

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58708-1
 Collection Date 10-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.952
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.09
2,2',3,4',5,6-HxCB	147	147 + 149	3.3	C B J	U	1.09
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.24
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.916
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.854
2,2',4,4',5,5'-HxCB	153	153 + 168	4.04	C B J	U	0.924
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.807
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	1.1
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	0.844
2,3,3',4,5,5'-HxCB	159	---	---	U	---	0.899
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	0.854
2,3,3',4',5,5'-HxCB	162	---	---	U	---	0.938
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	0.91
2,3,3',5,5',6-HxCB	165	---	---	U	---	0.976
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.786
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	0.901
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	1.52
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	1.6
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.61
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.45
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	1.39
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	1.01
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	1.51
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	1.44
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.993
2,2',3,4,4',5,5'-HpCB	180	180 + 193	1.92	C B J	U	1.2
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	1.49
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.38
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	1.37
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.975
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	1.08
2,2',3,4',5,5',6-HpCB	187	---	1.36	B J	U	1.33
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.941
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	0.871
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	1.2
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	1.15
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	1.3

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58708-1
 Collection Date 10-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.52
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.61
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.69
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	1.21
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.78
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	1.18
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	1.27
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.65
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	1.2
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	1.23
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	1.84
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.34
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.41
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	1.85	B J	U	1.42
Total PCB		---	29.6	---	J	---

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58791-1
 Collection Date 19-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	1.27	B J	---	0.542
3-MoCB	2	---	1.26	B J	---	0.663
4-MoCB	3	---	2.27	K B J	U	0.637
2,2'-DiCB	4	---	---	U	---	2.49
2,3-DiCB	5	---	---	U	---	1.9
2,3'-DiCB	6	---	---	U	---	1.67
2,4-DiCB	7	---	---	U	---	1.69
2,4'-DiCB	8	---	---	U	---	1.51
2,5-DiCB	9	---	---	U	---	1.64
2,6-DiCB	10	---	---	U	---	1.65
3,3'-DiCB	11	---	7.69	B J	U	1.85
3,4-DiCB	12	12 + 13	---	C U	---	1.85
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	1.71
4,4'-DiCB	15	---	---	U	---	1.98
2,2',3-TriCB	16	---	---	U	---	1.13
2,2',4-TriCB	17	---	2.64	K B J	U	1.06
2,2',5-TriCB	18	18 + 30	1.84	C B J	---	0.844
2,2',6-TriCB	19	---	---	U	---	1.09
2,3,3'-TriCB	20	20 + 28	4.96	C B J	U	0.682
2,3,4-TriCB	21	21 + 33	1.89	C B J	---	0.658
2,3,4'-TriCB	22	---	1.3	B J	---	0.784
2,3,5-TriCB	23	---	---	U	---	0.726
2,3,6-TriCB	24	---	---	U	---	0.771
2,3',4-TriCB	25	---	1.17	B J	U	0.598
2,3',5-TriCB	26	26 + 29	---	C U	---	0.695
2,3',6-TriCB	27	---	---	U	---	0.701
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.58	B J	U	0.646
2,4',6-TriCB	32	---	0.665	B J	---	0.64
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.697
3,3',4-TriCB	35	---	---	U	---	0.818
3,3',5-TriCB	36	---	---	U	---	0.702
3,4,4'-TriCB	37	---	0.894	B J	U	0.779
3,4,5-TriCB	38	---	---	U	---	0.705
3,4',5-TriCB	39	---	---	U	---	0.716
2,2',3,3'-TeCB	40	40 + 41 + 71	1.97	C K B J	U	0.983
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	0.998
2,2',3,5-TeCB	43	---	---	U	---	1.08
2,2',3,5'-TeCB	44	44 + 47 + 65	49.1	C B	R1	0.88
2,2',3,6-TeCB	45	45 + 51	12.6	C B J	R1	0.946
2,2',3,6'-TeCB	46	---	---	U	---	1.12
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	0.984

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58791-1
 Collection Date 19-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	2.33	C B J	U	0.808
2,2',4,6-TeCB	50	50 + 53	---	C U	---	0.909
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	3.86	K B J	U	0.88
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.672
2,3,3',4-TeCB	55	---	---	U	---	1.23
2,3,3',4'-TeCB	56	---	1.33	K B J	U	1.23
2,3,3',5-TeCB	57	---	---	U	---	1.11
2,3,3',5'-TeCB	58	---	---	U	---	1.14
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.717
2,3,4,4'-TeCB	60	---	---	U	---	1.23
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	4.87	C B J	U	1.11
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	1.08
2,3,4',6-TeCB	64	---	1.13	K B J	U	0.7
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	2.62	B J	U	1.07
2,3',4,5-TeCB	67	---	---	U	---	0.951
2,3',4,5'-TeCB	68	---	67.2	---	R1	1.07
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	1.03
2,3',5',6-TeCB	73	---	---	U	---	0.747
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	1.19
3,3',4,5-TeCB	78	---	---	U	---	1.23
3,3',4,5'-TeCB	79	---	---	U	---	0.953
3,3',5,5'-TeCB	80	---	---	U	---	1.11
3,4,4',5-TeCB	81	---	---	U	---	1.23
2,2',3,3',4-PeCB	82	---	---	U	---	1.66
2,2',3,3',5-PeCB	83	83 + 99	2.15	C B J	U	1.46
2,2',3,3',6-PeCB	84	---	---	U	---	1.63
2,2',3,4,4'-PeCB	85	85 + 116 + 117	---	C U	---	1.23
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	2.83	C B J	---	1.25
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	1.43
2,2',3,4,6'-PeCB	89	---	---	U	---	1.52
2,2',3,4',5-PeCB	90	90 + 101 + 113	2.98	C K B J	U	1.24
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.46
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	3.56	C B J	---	1.38
2,2',3,5,6'-PeCB	94	---	---	U	---	1.54
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.874

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58791-1
 Collection Date 19-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	1.22
2,2',4,6,6'-PeCB	104	---	---	U	---	0.883
2,3,3',4,4'-PeCB	105	---	---	U	---	1.07
2,3,3',4,5-PeCB	106	---	---	U	---	1.04
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	1.14
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	1.04
2,3,3',4',6-PeCB	110	110 + 115	3.5	C B J	---	1.09
2,3,3',5,5'-PeCB	111	---	---	U	---	1.09
2,3,3',5,6-PeCB	112	---	---	U	---	1.07
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	1.06
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	2.86	B J	U	1.07
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	1.03
2,3',4,5',6-PeCB	121	---	---	U	---	1.08
2',3,3',4,5-PeCB	122	---	---	U	---	1.22
2',3,4,4',5-PeCB	123	---	---	U	---	1.13
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	1.19
3,3',4,5,5'-PeCB	127	---	---	U	---	1.17
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.53
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	3.89	C B J	U	1.51
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.91
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.73
2,2',3,3',4,6'-HxCB	132	---	---	U	---	1.85
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.69
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.73
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	---	C U	---	1.68
2,2',3,3',6,6'-HxCB	136	---	---	U	---	1.23
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.81
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.54
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.65
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.76
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.7

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58791-1
 Collection Date 19-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	1.3
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.52
2,2',3,4',5,6-HxCB	147	147 + 149	2.97	C B J	U	1.53
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.69
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	1.25
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	1.17
2,2',4,4',5,5'-HxCB	153	153 + 168	2.97	C B J	U	1.3
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	1.08
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	1.54
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	1.19
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1.26
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	1.2
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.32
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	1.28
2,3,3',5,5',6-HxCB	165	---	---	U	---	1.37
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	1.11
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	1.28
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	1.86
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	1.98
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.98
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.79
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	1.71
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	1.25
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	1.86
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	1.77
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	1.22
2,2',3,4,4',5,5'-HpCB	180	180 + 193	---	C U	---	1.43
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	1.84
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.7
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	1.68
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	1.2
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	1.33
2,2',3,4',5,5',6-HpCB	187	---	---	U	---	1.64
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	1.12
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	1.16
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	1.48
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	1.42
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	1.6

Table B2-5. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Baseflow

AXYS Workgroup WG45859
 KC Sample ID L58791-1
 Collection Date 19-Sep-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.77
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.87
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.74
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	1.25
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.83
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	1.21
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	1.31
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.7
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	1.24
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	1.43
2,2',3,3',4,4',5,5',6-NoCB	206	---	---	U	---	2.16
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.55
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.61
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	---	U	---	1.64
Total PCB		---	18.1	---	J	---

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG45859
 KC Sample ID L57772-1
 Collection Date 18-Apr-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	0.858	K B J	U	0.641
3-MoCB	2	---	0.862	K B J	U	0.794
4-MoCB	3	---	2.04	K B J	U	0.739
2,2'-DiCB	4	---	---	U	---	4.53
2,3-DiCB	5	---	---	U	---	4.03
2,3'-DiCB	6	---	---	U	---	3.52
2,4-DiCB	7	---	---	U	---	3.62
2,4'-DiCB	8	---	---	U	---	3.21
2,5-DiCB	9	---	---	U	---	3.52
2,6-DiCB	10	---	---	U	---	3.54
3,3'-DiCB	11	---	6.97	B J	U	3.69
3,4-DiCB	12	12 + 13	---	C U	---	3.87
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	3.62
4,4'-DiCB	15	---	---	U	---	3.83
2,2',3-TriCB	16	---	---	U	---	1.85
2,2',4-TriCB	17	---	2.12	K B J	U	1.57
2,2',5-TriCB	18	18 + 30	---	C U	---	1.32
2,2',6-TriCB	19	---	---	U	---	1.71
2,3,3'-TriCB	20	20 + 28	3.8	C B J	U	0.948
2,3,4-TriCB	21	21 + 33	1.9	C B J	---	0.93
2,3,4'-TriCB	22	---	1.1	B J	---	1.05
2,3,5-TriCB	23	---	---	U	---	1.03
2,3,6-TriCB	24	---	---	U	---	1.16
2,3',4-TriCB	25	---	---	U	---	0.864
2,3',5-TriCB	26	26 + 29	---	C U	---	0.989
2,3',6-TriCB	27	---	---	U	---	1.12
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.57	K B J	U	0.921
2,4',6-TriCB	32	---	---	U	---	0.931
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.993
3,3',4-TriCB	35	---	---	U	---	1.03
3,3',5-TriCB	36	---	---	U	---	0.941
3,4,4'-TriCB	37	---	---	U	---	0.975
3,4,5-TriCB	38	---	---	U	---	1
3,4',5-TriCB	39	---	---	U	---	0.976
2,2',3,3'-TeCB	40	40 + 41 + 71	1.92	C B J	---	1.47
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	1.51
2,2',3,5-TeCB	43	---	---	U	---	1.66
2,2',3,5'-TeCB	44	44 + 47 + 65	60	C B	R1	1.35
2,2',3,6-TeCB	45	45 + 51	14.6	C B J	R1	1.43
2,2',3,6'-TeCB	46	---	---	U	---	1.69
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	1.46

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG45859
 KC Sample ID L57772-1
 Collection Date 18-Apr-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	1.62	C K B J	U	1.25
2,2',4,6-TeCB	50	50 + 53	---	C U	---	1.42
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	3.01	K B J	U	1.34
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	1.14
2,3,3',4-TeCB	55	---	---	U	---	1.43
2,3,3',4'-TeCB	56	---	---	U	---	1.45
2,3,3',5-TeCB	57	---	---	U	---	1.37
2,3,3',5'-TeCB	58	---	---	U	---	1.44
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	1.11
2,3,4,4'-TeCB	60	---	---	U	---	1.44
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	4.6	C B J	U	1.38
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	1.32
2,3,4',6-TeCB	64	---	---	U	---	1.08
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	2.03	K B J	U	1.32
2,3',4,5-TeCB	67	---	---	U	---	1.21
2,3',4,5'-TeCB	68	---	79.4	---	R1	1.29
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	1.27
2,3',5',6-TeCB	73	---	---	U	---	1.15
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	1.28
3,3',4,5-TeCB	78	---	---	U	---	1.48
3,3',4,5'-TeCB	79	---	---	U	---	1.19
3,3',5,5'-TeCB	80	---	---	U	---	1.29
3,4,4',5-TeCB	81	---	---	U	---	1.32
2,2',3,3',4-PeCB	82	---	---	U	---	1.81
2,2',3,3',5-PeCB	83	83 + 99	2.29	C K B J	U	1.65
2,2',3,3',6-PeCB	84	---	---	U	---	1.81
2,2',3,4,4'-PeCB	85	85 + 116 + 117	1.93	C B J	U	1.38
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	5.01	C B J	---	1.39
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	1.62
2,2',3,4,6'-PeCB	89	---	---	U	---	1.68
2,2',3,4',5-PeCB	90	90 + 101 + 113	4.71	C B J	---	1.43
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.61
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	5.15	C B J	---	1.58
2,2',3,5,6'-PeCB	94	---	---	U	---	1.77
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	1.35

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG45859
 KC Sample ID L57772-1
 Collection Date 18-Apr-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	1.42
2,2',4,6,6'-PeCB	104	---	---	U	---	1.46
2,3,3',4,4'-PeCB	105	---	2.28	K B J	U	1.35
2,3,3',4,5-PeCB	106	---	---	U	---	1.42
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	1.59
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	1.47
2,3,3',4',6-PeCB	110	110 + 115	7.67	C B J	---	1.24
2,3,3',5,5'-PeCB	111	---	---	U	---	1.23
2,3,3',5,6-PeCB	112	---	---	U	---	1.22
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	1.34
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	4.05	K B J	U	1.39
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	1.17
2,3',4,5',6-PeCB	121	---	---	U	---	1.22
2',3,3',4,5-PeCB	122	---	---	U	---	1.52
2',3,4,4',5-PeCB	123	---	---	U	---	1.38
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	1.4
3,3',4,5,5'-PeCB	127	---	---	U	---	1.6
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	2.21
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	7.46	C B J	U	2.24
2,2',3,3',4,5'-HxCB	130	---	---	U	---	2.72
2,2',3,3',4,6-HxCB	131	---	---	U	---	2.54
2,2',3,3',4,6'-HxCB	132	---	2.73	K B J	U	2.67
2,2',3,3',5,5'-HxCB	133	---	---	U	---	2.44
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	2.52
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	2.1	C K B J	U	1.58
2,2',3,3',6,6'-HxCB	136	---	---	U	---	1.23
2,2',3,4,4',5-HxCB	137	---	---	U	---	2.68
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	2.3
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	2.44
2,2',3,4,5,6-HxCB	142	---	---	U	---	2.52
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.63

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG45859
 KC Sample ID L57772-1
 Collection Date 18-Apr-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	1.3
2,2',3,4',5,5'-HxCB	146	---	---	U	---	2.2
2,2',3,4',5,6-HxCB	147	147 + 149	4.93	C B J	U	2.25
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.64
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	1.25
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	1.19
2,2',4,4',5,5'-HxCB	153	153 + 168	4.59	C B J	U	1.97
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	1.19
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	2.33
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	1.75
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1.83
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	1.8
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.89
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	1.86
2,3,3',5,5',6-HxCB	165	---	---	U	---	2.05
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	1.66
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	1.75
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	2.11
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	2.14
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	2.16
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	2.47	K B J	U	1.98
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	1.86
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	1.46
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	2.05
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	1.94
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	1.37
2,2',3,4,4',5,5'-HpCB	180	180 + 193	3.25	C B J	U	1.67
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	2.03
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.85
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	1.85
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	1.38
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	1.53
2,2',3,4',5,5',6-HpCB	187	---	1.94	K B J	U	1.76
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	1.39
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	1.36
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	1.67
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	1.64
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	1.77

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG45859
 KC Sample ID L57772-1
 Collection Date 18-Apr-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.68
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.71
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	2.33
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	1.71
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	2.49
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	1.69
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	1.96
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	2.21
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	1.74
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	1.32
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	2.34
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.82
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.96
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	2.75	B J	U	1.87
Total PCB		---	27.5	---	J	---

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59149-1
 Collection Date 06-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	2.76	B J	U	0.5
3-MoCB	2	---	1.99	B J	---	0.534
4-MoCB	3	---	3.4	B J	---	0.505
2,2'-DiCB	4	---	3.58	J	---	2.28
2,3-DiCB	5	---	---	U	---	2.02
2,3'-DiCB	6	---	2.68	K J	U	1.73
2,4-DiCB	7	---	---	U	---	1.77
2,4'-DiCB	8	---	9.2	B J	---	1.56
2,5-DiCB	9	---	---	U	---	1.74
2,6-DiCB	10	---	---	U	---	1.71
3,3'-DiCB	11	---	9.62	K B J	U	2.07
3,4-DiCB	12	12 + 13	---	C U	---	2.07
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	1.84
4,4'-DiCB	15	---	6.32	J	---	2.04
2,2',3-TriCB	16	---	5.44	K B J	U	1.36
2,2',4-TriCB	17	---	8.06	B J	---	1.23
2,2',5-TriCB	18	18 + 30	12.6	C B J	U	1.01
2,2',6-TriCB	19	---	1.63	J	---	1.21
2,3,3'-TriCB	20	20 + 28	20.5	C B	---	0.815
2,3,4-TriCB	21	21 + 33	7.7	C B J	---	0.767
2,3,4'-TriCB	22	---	5.29	J	---	0.874
2,3,5-TriCB	23	---	---	U	---	0.822
2,3,6-TriCB	24	---	---	U	---	0.935
2,3',4-TriCB	25	---	2.05	K J	U	0.71
2,3',5-TriCB	26	26 + 29	3.71	C K J	U	0.793
2,3',6-TriCB	27	---	---	U	---	0.861
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	14.7	B J	---	0.732
2,4',6-TriCB	32	---	3.97	B J	U	0.754
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.809
3,3',4-TriCB	35	---	---	U	---	0.944
3,3',5-TriCB	36	---	---	U	---	0.847
3,4,4'-TriCB	37	---	3.16	J	---	0.872
3,4,5-TriCB	38	---	---	U	---	0.855
3,4',5-TriCB	39	---	---	U	---	0.82
2,2',3,3'-TeCB	40	40 + 41 + 71	3.72	C J	---	1.12
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	2.08	K J	U	1.08
2,2',3,5-TeCB	43	---	---	U	---	1.31
2,2',3,5'-TeCB	44	44 + 47 + 65	46.8	C B	R1	1.02
2,2',3,6-TeCB	45	45 + 51	8.26	C J	R1	1.1
2,2',3,6'-TeCB	46	---	---	U	---	1.27
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	1.83	K J	U	1.09

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59149-1
 Collection Date 06-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	6.17	C B J	---	0.924
2,2',4,6-TeCB	50	50 + 53	2.16	C J	---	1.06
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	11.9	B J	---	1.05
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.775
2,3,3',4-TeCB	55	---	---	U	---	1.44
2,3,3',4'-TeCB	56	---	2.58	J	---	1.49
2,3,3',5-TeCB	57	---	---	U	---	1.37
2,3,3',5'-TeCB	58	---	---	U	---	1.45
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.831
2,3,4,4'-TeCB	60	---	1.52	J	---	1.45
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	11.5	C B J	U	1.36
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	1.32
2,3,4',6-TeCB	64	---	4.01	K J	U	0.806
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	5.59	B J	U	1.36
2,3',4,5-TeCB	67	---	---	U	---	1.22
2,3',4,5'-TeCB	68	---	50.4	---	R1	1.33
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	1.29
2,3',5',6-TeCB	73	---	---	U	---	0.815
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	1.46
3,3',4,5-TeCB	78	---	---	U	---	1.55
3,3',4,5'-TeCB	79	---	---	U	---	1.32
3,3',5,5'-TeCB	80	---	---	U	---	1.32
3,4,4',5-TeCB	81	---	---	U	---	1.46
2,2',3,3',4-PeCB	82	---	---	U	---	1.4
2,2',3,3',5-PeCB	83	83 + 99	2.82	C K J	U	1.22
2,2',3,3',6-PeCB	84	---	1.36	K J	U	1.34
2,2',3,4,4'-PeCB	85	85 + 116 + 117	1.54	C J	---	1.04
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	3.41	C J	---	1.07
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	1.42	C K J	U	1.18
2,2',3,4,6'-PeCB	89	---	---	U	---	1.26
2,2',3,4',5-PeCB	90	90 + 101 + 113	6.12	C K B J	U	1.09
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.24
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	4.49	C B J	---	1.14
2,2',3,5,6'-PeCB	94	---	---	U	---	1.26
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.885

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59149-1
 Collection Date 06-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	1.04
2,2',4,6,6'-PeCB	104	---	---	U	---	0.913
2,3,3',4,4'-PeCB	105	---	1.16	J	---	0.867
2,3,3',4,5-PeCB	106	---	---	U	---	0.904
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	0.989
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.929
2,3,3',4',6-PeCB	110	110 + 115	4.54	C K B J	U	0.935
2,3,3',5,5'-PeCB	111	---	---	U	---	0.95
2,3,3',5,6-PeCB	112	---	---	U	---	0.919
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	0.895
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	2.59	J	---	0.913
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.897
2,3',4,5',6-PeCB	121	---	---	U	---	0.906
2',3,3',4,5-PeCB	122	---	---	U	---	1.07
2',3,4,4',5-PeCB	123	---	---	U	---	0.937
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	1.06
3,3',4,5,5'-PeCB	127	---	---	U	---	1.02
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.32
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	3.55	C K J	U	1.33
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.59
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.51
2,2',3,3',4,6'-HxCB	132	---	---	U	---	1.61
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.48
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.52
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	3.46	C B J	---	1.39
2,2',3,3',6,6'-HxCB	136	---	---	U	---	1.06
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.48
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.36
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.41
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.53
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.41

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59149-1
 Collection Date 06-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	1.13
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.27
2,2',3,4',5,6-HxCB	147	147 + 149	2.77	C K J	U	1.35
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.42
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	1.06
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	1.03
2,2',4,4',5,5'-HxCB	153	153 + 168	4.04	C B J	U	1.17
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.912
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	1.38
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	1.07
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1.12
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	1.09
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.17
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	1.13
2,3,3',5,5',6-HxCB	165	---	---	U	---	1.22
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.987
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	1.23
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	1.72
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	1.71
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.75
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.53
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	1.51
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	1.14
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	1.61
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	1.6
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	1.1
2,2',3,4,4',5,5'-HpCB	180	180 + 193	1.52	C K B J	U	1.52
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	1.62
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.49
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	1.52
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	1.1
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	1.21
2,2',3,4',5,5',6-HpCB	187	---	2	K J	U	1.45
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.999
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	1.07
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	1.31
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	1.29
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	1.42

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59149-1
 Collection Date 06-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.21
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.23
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.42
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	1.04
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	1.5
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	1.01
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	1.1
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.37
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	1.06
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	1
2,2',3,3',4,4',5,5',6-NoCB	206	---	---	U	---	1.8
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.33
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.34
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	9.4	J	---	1.41
Total PCB	210	---	140	---	J	---

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46653
 KC Sample ID L59239-1
 Collection Date 18-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	1.45	B J	U	0.682
3-MoCB	2	---	---	U	---	0.838
4-MoCB	3	---	1.9	B J	---	0.866
2,2'-DiCB	4	---	---	U	---	5.91
2,3-DiCB	5	---	---	U	---	4.85
2,3'-DiCB	6	---	---	U	---	4.08
2,4-DiCB	7	---	---	U	---	4.12
2,4'-DiCB	8	---	---	U	---	3.75
2,5-DiCB	9	---	---	U	---	4.19
2,6-DiCB	10	---	---	U	---	4.09
3,3'-DiCB	11	---	13.3	B J	U	4.75
3,4-DiCB	12	12 + 13	---	C U	---	4.79
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	4.34
4,4'-DiCB	15	---	---	U	---	5.38
2,2',3-TriCB	16	---	---	U	---	1.18
2,2',4-TriCB	17	---	1.54	K J	U	1.06
2,2',5-TriCB	18	18 + 30	1.8	C K B J	U	0.857
2,2',6-TriCB	19	---	---	U	---	0.868
2,3,3'-TriCB	20	20 + 28	7.6	C B J	U	0.526
2,3,4-TriCB	21	21 + 33	1.94	C B J	U	0.508
2,3,4'-TriCB	22	---	1.89	B J	U	0.565
2,3,5-TriCB	23	---	---	U	---	0.528
2,3,6-TriCB	24	---	---	U	---	0.736
2,3',4-TriCB	25	---	0.709	J	---	0.508
2,3',5-TriCB	26	26 + 29	0.538	C K J	U	0.537
2,3',6-TriCB	27	---	---	U	---	0.754
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.96	B J	U	0.508
2,4',6-TriCB	32	---	---	U	---	0.508
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.569
3,3',4-TriCB	35	---	---	U	---	0.528
3,3',5-TriCB	36	---	---	U	---	0.508
3,4,4'-TriCB	37	---	1.9	B J	---	0.623
3,4,5-TriCB	38	---	---	U	---	0.53
3,4',5-TriCB	39	---	---	U	---	0.509
2,2',3,3'-TeCB	40	40 + 41 + 71	1.75	C B J	---	0.667
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	0.827	J	---	0.693
2,2',3,5-TeCB	43	---	---	U	---	0.738
2,2',3,5'-TeCB	44	44 + 47 + 65	36.6	C B	R1	0.611
2,2',3,6-TeCB	45	45 + 51	6.14	C J	R1	0.668
2,2',3,6'-TeCB	46	---	---	U	---	0.789
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	0.666

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46653
 KC Sample ID L59239-1
 Collection Date 18-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	1.93	C B J	U	0.567
2,2',4,6-TeCB	50	50 + 53	---	C U	---	0.658
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	4.76	K B J	U	0.652
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.508
2,3,3',4-TeCB	55	---	---	U	---	0.53
2,3,3',4'-TeCB	56	---	1.09	K B J	U	0.577
2,3,3',5-TeCB	57	---	---	U	---	0.523
2,3,3',5'-TeCB	58	---	---	U	---	0.545
2,3,3',6-TeCB	59	59 + 62 + 75	0.617	C J	---	0.508
2,3,4,4'-TeCB	60	---	1.34	B J	---	0.574
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	6.23	C B J	U	0.525
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	0.514
2,3,4',6-TeCB	64	---	1.56	B J	---	0.508
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	3.13	B J	---	0.508
2,3',4,5-TeCB	67	---	---	U	---	0.508
2,3',4,5'-TeCB	68	---	20.6	---	R1	0.516
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.508
2,3',5',6-TeCB	73	---	---	U	---	0.508
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	0.585
3,3',4,5-TeCB	78	---	---	U	---	0.532
3,3',4,5'-TeCB	79	---	---	U	---	0.508
3,3',5,5'-TeCB	80	---	---	U	---	0.512
3,4,4',5-TeCB	81	---	---	U	---	0.554
2,2',3,3',4-PeCB	82	---	---	U	---	0.846
2,2',3,3',5-PeCB	83	83 + 99	2.81	C K B J	U	0.841
2,2',3,3',6-PeCB	84	---	1.21	K B J	U	0.874
2,2',3,4,4'-PeCB	85	85 + 116 + 117	0.879	C K J	U	0.647
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	3.04	C K B J	U	0.684
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	---	C U	---	0.776
2,2',3,4,6'-PeCB	89	---	---	U	---	0.828
2,2',3,4',5-PeCB	90	90 + 101 + 113	4.34	C K B J	U	0.686
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	0.799
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	4.05	C B J	---	0.743
2,2',3,5,6'-PeCB	94	---	---	U	---	0.83
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.508

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46653
 KC Sample ID L59239-1
 Collection Date 18-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	0.687
2,2',4,6,6'-PeCB	104	---	---	U	---	0.508
2,3,3',4,4'-PeCB	105	---	1.1	K B J	U	0.704
2,3,3',4,5-PeCB	106	---	---	U	---	0.685
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	0.778
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.748
2,3,3',4',6-PeCB	110	110 + 115	4	C B J	---	0.549
2,3,3',5,5'-PeCB	111	---	---	U	---	0.573
2,3,3',5,6-PeCB	112	---	---	U	---	0.54
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	0.742
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	2.9	B J	U	0.788
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.531
2,3',4,5',6-PeCB	121	---	---	U	---	0.591
2',3,3',4,5-PeCB	122	---	---	U	---	0.863
2',3,4,4',5-PeCB	123	---	---	U	---	0.767
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	0.917
3,3',4,5,5'-PeCB	127	---	---	U	---	0.784
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	0.843
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	3.86	C K B J	U	0.828
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.1
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.04
2,2',3,3',4,6'-HxCB	132	---	1.07	J	---	1.05
2,2',3,3',5,5'-HxCB	133	---	---	U	---	0.97
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.02
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	1.34	C K J	U	0.622
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.508
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.05
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	0.908
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	0.942
2,2',3,4,5,6-HxCB	142	---	---	U	---	1
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	0.635

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46653
 KC Sample ID L59239-1
 Collection Date 18-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.518
2,2',3,4',5,5'-HxCB	146	---	0.923	J	---	0.901
2,2',3,4',5,6-HxCB	147	147 + 149	3.23	C B J	---	0.904
2,2',3,4',5,6'-HxCB	148	---	---	U	---	0.636
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.508
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.508
2,2',4,4',5,5'-HxCB	153	153 + 168	3.69	C K B J	U	0.718
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	0.569	K J	U	0.508
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	0.745
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	0.647
2,3,3',4,5,5'-HxCB	159	---	---	U	---	0.662
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	0.655
2,3,3',4',5,5'-HxCB	162	---	---	U	---	0.665
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	0.665
2,3,3',5,5',6-HxCB	165	---	---	U	---	0.783
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.587
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	0.727
2,2',3,3',4,4',5-HpCB	170	---	0.795	K J	U	0.78
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	0.723
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	0.776
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	0.662
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	0.709
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.508
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	0.698
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	0.73
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.508
2,2',3,4,4',5,5'-HpCB	180	180 + 193	1.3	C K J	U	0.612
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	0.69
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	0.678
2,2',3,4,4',5',6-HpCB	183	183 + 185	0.667	C J	---	0.666
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.508
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.554
2,2',3,4',5,5',6-HpCB	187	---	1.14	K J	U	0.686
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.508
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	0.708
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	0.528
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	0.529
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	0.62

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46653
 KC Sample ID L59239-1
 Collection Date 18-Nov-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	0.859
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	0.941
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	0.661
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	0.508
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	0.69
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.508
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	0.508
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	0.644
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	0.508
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	0.696
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	1.39
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.13
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.11
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	1.2	K B J	U	0.558
Total PCB		---	27.7	---	J	---

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59470-1
 Collection Date 08-Jan-14

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	2.36	B J	U	0.515
3-MoCB	2	---	1.83	B J	---	0.515
4-MoCB	3	---	3.39	B J	---	0.515
2,2'-DiCB	4	---	---	U	---	1.32
2,3-DiCB	5	---	---	U	---	1.01
2,3'-DiCB	6	---	1.12	J	---	0.878
2,4-DiCB	7	---	1.91	K J	U	0.891
2,4'-DiCB	8	---	5.01	B J	---	0.816
2,5-DiCB	9	---	---	U	---	0.878
2,6-DiCB	10	---	---	U	---	0.866
3,3'-DiCB	11	---	10.4	B J	U	1.04
3,4-DiCB	12	12 + 13	---	C U	---	1.05
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	0.936
4,4'-DiCB	15	---	3.77	J	---	1.18
2,2',3-TriCB	16	---	1.49	K B J	U	0.515
2,2',4-TriCB	17	---	3.73	K B J	U	0.515
2,2',5-TriCB	18	18 + 30	3.7	C B J	U	0.515
2,2',6-TriCB	19	---	---	U	---	0.515
2,3,3'-TriCB	20	20 + 28	11	C B J	U	0.515
2,3,4-TriCB	21	21 + 33	6.95	C B J	---	0.515
2,3,4'-TriCB	22	---	3.34	J	---	0.515
2,3,5-TriCB	23	---	---	U	---	0.515
2,3,6-TriCB	24	---	---	U	---	0.515
2,3',4-TriCB	25	---	1.39	J	---	0.515
2,3',5-TriCB	26	26 + 29	1.63	C J	---	0.515
2,3',6-TriCB	27	---	---	U	---	0.515
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	8.03	B J	U	0.515
2,4',6-TriCB	32	---	1.37	K B J	U	0.515
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.515
3,3',4-TriCB	35	---	---	U	---	0.515
3,3',5-TriCB	36	---	---	U	---	0.515
3,4,4'-TriCB	37	---	2.82	K J	U	0.515
3,4,5-TriCB	38	---	---	U	---	0.515
3,4',5-TriCB	39	---	---	U	---	0.515
2,2',3,3'-TeCB	40	40 + 41 + 71	3.16	C J	---	0.515
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	1.42	K J	U	0.515
2,2',3,5-TeCB	43	---	---	U	---	0.54
2,2',3,5'-TeCB	44	44 + 47 + 65	62.3	C B	R1	0.515
2,2',3,6-TeCB	45	45 + 51	72.5	C	R1	0.515
2,2',3,6'-TeCB	46	---	---	U	---	0.55
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	1.12	J	---	0.515

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59470-1
 Collection Date 08-Jan-14

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	7.15	C K B J	U	0.515
2,2',4,6'-TeCB	50	50 + 53	0.754	C J	---	0.515
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	18.4	B J	---	0.515
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.515
2,3,3',4'-TeCB	55	---	---	U	---	0.695
2,3,3',4'-TeCB	56	---	3.51	J	---	0.715
2,3,3',5'-TeCB	57	---	---	U	---	0.661
2,3,3',5'-TeCB	58	---	---	U	---	0.692
2,3,3',6'-TeCB	59	59 + 62 + 75	0.636	C K J	U	0.515
2,3,4,4'-TeCB	60	---	1.95	J	---	0.715
2,3,4,5'-TeCB	61	61 + 70 + 74 + 76	26.3	C B	---	0.685
2,3,4,6'-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5'-TeCB	63	---	---	U	---	0.641
2,3,4',6'-TeCB	64	---	3.3	J	---	0.515
2,3,5,6'-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	8.01	B J	---	0.657
2,3',4,5'-TeCB	67	---	---	U	---	0.599
2,3',4,5'-TeCB	68	---	70.3	---	R1	0.652
2,3',4,6'-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5'-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6'-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.621
2,3',5',6'-TeCB	73	---	---	U	---	0.515
2,4,4',5'-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6'-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5'-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	0.894	K J	U	0.83
3,3',4,5'-TeCB	78	---	---	U	---	0.728
3,3',4,5'-TeCB	79	---	---	U	---	0.614
3,3',5,5'-TeCB	80	---	---	U	---	0.641
3,4,4',5'-TeCB	81	---	---	U	---	0.786
2,2',3,3',4'-PeCB	82	---	2.05	K J	U	0.849
2,2',3,3',5'-PeCB	83	83 + 99	11.4	C J	---	0.79
2,2',3,3',6'-PeCB	84	---	2.9	J	---	0.842
2,2',3,4,4'-PeCB	85	85 + 116 + 117	3.62	C K J	U	0.639
2,2',3,4,5'-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	14.6	C J	---	0.65
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6'-PeCB	88	88 + 91	2.46	C K J	U	0.732
2,2',3,4,6'-PeCB	89	---	---	U	---	0.788
2,2',3,4',5'-PeCB	90	90 + 101 + 113	22.3	C B	---	0.669
2,2',3,4',6'-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	3.15	K J	U	0.767
2,2',3,5,6'-PeCB	93	93 + 95 + 98 + 100 + 102	10.7	C B J	---	0.696
2,2',3,5,6'-PeCB	94	---	---	U	---	0.786
2,2',3,5',6'-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.515

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59470-1
 Collection Date 08-Jan-14

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	0.638
2,2',4,6,6'-PeCB	104	---	---	U	---	0.515
2,3,3',4,4'-PeCB	105	---	9.04	J	---	0.625
2,3,3',4,5-PeCB	106	---	---	U	---	0.693
2,3,3',4',5-PeCB	107	107 + 124	1.4	C J	---	0.74
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	1.3	J	---	0.747
2,3,3',4',6-PeCB	110	110 + 115	22.3	C B	---	0.562
2,3,3',5,5'-PeCB	111	---	---	U	---	0.575
2,3,3',5,6-PeCB	112	---	---	U	---	0.537
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	0.776
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	24.2	---	---	0.767
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.542
2,3',4,5',6-PeCB	121	---	---	U	---	0.565
2',3,3',4,5-PeCB	122	---	---	U	---	0.802
2',3,4,4',5-PeCB	123	---	---	U	---	0.796
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	0.896
3,3',4,5,5'-PeCB	127	---	---	U	---	0.768
2,2',3,3',4,4'-HxCB	128	128 + 166	2.16	C K J	U	1.25
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	11.4	C J	---	1.21
2,2',3,3',4,5'-HxCB	130	---	---	U	---	1.54
2,2',3,3',4,6-HxCB	131	---	---	U	---	1.44
2,2',3,3',4,6'-HxCB	132	---	3.23	J	---	1.53
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.39
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	1.41
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	2.68	C K B J	U	0.598
2,2',3,3',6,6'-HxCB	136	---	0.99	K J	U	0.515
2,2',3,4,4',5-HxCB	137	---	---	U	---	1.51
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.29
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	2.13	J	---	1.32
2,2',3,4,5,6-HxCB	142	---	---	U	---	1.38
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	0.605

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59470-1
 Collection Date 08-Jan-14

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.515
2,2',3,4',5,5'-HxCB	146	---	1.58	J	---	1.28
2,2',3,4',5,6-HxCB	147	147 + 149	6.46	C J	---	1.31
2,2',3,4',5,6'-HxCB	148	---	---	U	---	0.614
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.515
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.515
2,2',4,4',5,5'-HxCB	153	153 + 168	9.35	C B J	U	1.1
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.515
2,3,3',4,4',5-HxCB	156	156 + 157	2.16	C J	---	1.25
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	1.4	J	---	0.951
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1.03
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	0.984
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.08
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	0.991
2,3,3',5,5',6-HxCB	165	---	---	U	---	1.15
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.975
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	0.887
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	0.99
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	1.15
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.15
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.02
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	1.02
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.769
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	1.11
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	1.08
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.754
2,2',3,4,4',5,5'-HpCB	180	180 + 193	2.23	C K B J	U	0.935
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	1.1
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.01
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	1.04
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.747
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.819
2,2',3,4',5,5',6-HpCB	187	---	2	K J	U	0.994
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.71
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	0.515
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	0.845
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	0.828
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	0.93

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59470-1
 Collection Date 08-Jan-14

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	0.708	K J	U	0.639
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	0.707
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	1.06
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	0.788
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	1.48	C K J	U	1.1
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.782
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	0.848
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	1.01
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	0.793
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	0.515
2,2',3,3',4,4',5,5',6'-NoCB	206	---	---	U	---	0.941
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	0.681
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	0.621
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	2.12	K J	U	0.635
Total PCB		---	243	---	J	---

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443

KC Sample ID L59470-2

Collection Date 08-Jan-14

Replicate to L59470-1

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	2.87	B J	U	0.509
3-MoCB	2	---	2.21	K B J	U	0.509
4-MoCB	3	---	3.57	B J	---	0.509
2,2'-DiCB	4	---	---	U	---	5.57
2,3-DiCB	5	---	---	U	---	3.75
2,3'-DiCB	6	---	---	U	---	3.42
2,4-DiCB	7	---	---	U	---	3.54
2,4'-DiCB	8	---	---	U	---	3.26
2,5-DiCB	9	---	---	U	---	3.38
2,6-DiCB	10	---	---	U	---	3.43
3,3'-DiCB	11	---	14.2	B J	U	3.57
3,4-DiCB	12	12 + 13	---	C U	---	3.7
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	3.46
4,4'-DiCB	15	---	---	U	---	3.82
2,2',3-TriCB	16	---	0.627	K B J	U	0.601
2,2',4-TriCB	17	---	2.69	B J	---	0.509
2,2',5-TriCB	18	18 + 30	1.79	C K B J	U	0.509
2,2',6-TriCB	19	---	3.51	J	---	0.553
2,3,3'-TriCB	20	20 + 28	3.46	C B J	U	0.509
2,3,4-TriCB	21	21 + 33	4.55	C B J	---	0.509
2,3,4'-TriCB	22	---	1.2	J	---	0.509
2,3,5-TriCB	23	---	2.56	K J	U	0.509
2,3,6-TriCB	24	---	---	U	---	0.509
2,3',4-TriCB	25	---	0.605	K J	U	0.509
2,3',5-TriCB	26	26 + 29	---	C U	---	0.509
2,3',6-TriCB	27	---	---	U	---	0.509
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.01	B J	U	0.509
2,4',6-TriCB	32	---	0.686	B J	U	0.509
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	2.3	K J	U	0.509
3,3',4-TriCB	35	---	---	U	---	0.509
3,3',5-TriCB	36	---	---	U	---	0.509
3,4,4'-TriCB	37	---	2.06	J	---	0.509
3,4,5-TriCB	38	---	---	U	---	0.509
3,4',5-TriCB	39	---	---	U	---	0.509
2,2',3,3'-TeCB	40	40 + 41 + 71	0.739	C K J	U	0.643
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	0.675
2,2',3,5-TeCB	43	---	---	U	---	0.75
2,2',3,5'-TeCB	44	44 + 47 + 65	160	C B	R1	0.585
2,2',3,6-TeCB	45	45 + 51	62.4	C	R1	0.645
2,2',3,6'-TeCB	46	---	---	U	---	0.757
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	0.646

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443

KC Sample ID L59470-2

Collection Date 08-Jan-14

Replicate to L59470-1

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	3.88	C B J	---	0.538
2,2',4,6-TeCB	50	50 + 53	---	C U	---	0.618
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	2.46	B J	---	0.582
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	2.57	K J	U	0.509
2,3,3',4-TeCB	55	---	---	U	---	0.552
2,3,3',4'-TeCB	56	---	0.763	J	---	0.547
2,3,3',5-TeCB	57	---	---	U	---	0.509
2,3,3',5'-TeCB	58	---	---	U	---	0.509
2,3,3',6-TeCB	59	59 + 62 + 75	---	C U	---	0.509
2,3,4,4'-TeCB	60	---	0.559	K J	U	0.552
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	3.83	C B J	U	0.511
2,3,4,6-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5-TeCB	63	---	---	U	---	0.509
2,3,4',6-TeCB	64	---	0.972	K J	U	0.509
2,3,5,6-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	1.52	B J	U	0.509
2,3',4,5-TeCB	67	---	---	U	---	0.509
2,3',4,5'-TeCB	68	---	46.2	---	R1	0.509
2,3',4,6-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.509
2,3',5',6-TeCB	73	---	---	U	---	0.509
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	0.644	K J	U	0.531
3,3',4,5-TeCB	78	---	---	U	---	0.543
3,3',4,5'-TeCB	79	---	---	U	---	0.509
3,3',5,5'-TeCB	80	---	---	U	---	0.509
3,4,4',5-TeCB	81	---	0.665	J	---	0.555
2,2',3,3',4-PeCB	82	---	---	U	---	0.68
2,2',3,3',5-PeCB	83	83 + 99	2.79	C K J	U	0.599
2,2',3,3',6-PeCB	84	---	---	U	---	0.698
2,2',3,4,4'-PeCB	85	85 + 116 + 117	0.973	C K J	U	0.509
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	2.83	C J	---	0.519
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6-PeCB	88	88 + 91	1.79	C J	---	0.595
2,2',3,4,6'-PeCB	89	---	---	U	---	0.628
2,2',3,4',5-PeCB	90	90 + 101 + 113	3.6	C B J	---	0.527
2,2',3,4',6-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	0.591
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	2.98	C B J	---	0.58
2,2',3,5,6'-PeCB	94	---	---	U	---	0.646
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.509

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443

KC Sample ID L59470-2

Collection Date 08-Jan-14

Replicate to L59470-1

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	0.523
2,2',4,6,6'-PeCB	104	---	1.83	J	---	0.509
2,3,3',4,4'-PeCB	105	---	1.84	J	---	0.509
2,3,3',4,5-PeCB	106	---	---	U	---	0.509
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	0.509
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.509
2,3,3',4',6-PeCB	110	110 + 115	3.05	C B J	---	0.509
2,3,3',5,5'-PeCB	111	---	---	U	---	0.509
2,3,3',5,6-PeCB	112	---	---	U	---	0.509
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	0.632	J	---	0.509
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	3.56	J	---	0.509
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.509
2,3',4,5',6-PeCB	121	---	---	U	---	0.509
2',3,3',4,5-PeCB	122	---	---	U	---	0.537
2',3,4,4',5-PeCB	123	---	---	U	---	0.509
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	0.541
3,3',4,5,5'-PeCB	127	---	---	U	---	0.509
2,2',3,3',4,4'-HxCB	128	128 + 166	0.787	C J	---	0.509
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	3.52	C J	---	0.509
2,2',3,3',4,5'-HxCB	130	---	---	U	---	0.61
2,2',3,3',4,6-HxCB	131	---	---	U	---	0.568
2,2',3,3',4,6'-HxCB	132	---	0.894	J	---	0.591
2,2',3,3',5,5'-HxCB	133	---	---	U	---	0.548
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	0.555
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	0.946	C K B J	U	0.529
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.509
2,2',3,4,4',5-HxCB	137	---	0.743	K J	U	0.538
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	0.509
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	0.614	K J	U	0.543
2,2',3,4,5,6-HxCB	142	---	---	U	---	0.582
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	0.54

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443

KC Sample ID L59470-2

Collection Date 08-Jan-14

Replicate to L59470-1

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.509
2,2',3,4',5,5'-HxCB	146	---	0.52	K J	U	0.509
2,2',3,4',5,6-HxCB	147	147 + 149	2.23	C J	---	0.509
2,2',3,4',5,6'-HxCB	148	---	---	U	---	0.542
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.509
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.509
2,2',4,4',5,5'-HxCB	153	153 + 168	2.7	C K B J	U	0.509
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	1.35	K J	U	0.509
2,3,3',4,4',5-HxCB	156	156 + 157	0.799	C J	---	0.509
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	0.619	K J	U	0.509
2,3,3',4,5,5'-HxCB	159	---	---	U	---	0.509
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	0.509
2,3,3',4',5,5'-HxCB	162	---	---	U	---	0.509
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	0.549	K J	U	0.509
2,3,3',5,5',6-HxCB	165	---	---	U	---	0.509
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.509
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	0.509
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	0.603
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	0.636
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	0.642
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	0.593
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	0.567
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.509
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	0.615
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	0.593
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.509
2,2',3,4,4',5,5'-HpCB	180	180 + 193	1.07	C B J	U	0.509
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	0.612
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	0.573
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	0.569
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.509
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.509
2,2',3,4',5,5',6-HpCB	187	---	0.803	K J	U	0.553
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.509
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	0.509
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	0.509
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	0.509
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	0.509

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup **WG46443**

KC Sample ID **L59470-2**

Collection Date **08-Jan-14**

Replicate to L59470-1

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	0.574
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	0.651
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	0.595
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U G	---	0.509
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	---	C U	---	0.614
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.509
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	0.509
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	0.569
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	0.509
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	0.509
2,2',3,3',4,4',5,5',6-NoCB	206	---	---	U	---	1.07
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	0.813
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	0.827
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	1.57	K J	U	0.562
Total PCB		---	55.7	---	J	---

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59595-1
 Collection Date 29-Jan-14

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	2.79	B J	U	0.508
3-MoCB	2	---	2.01	B J	---	0.548
4-MoCB	3	---	3.45	B J	---	0.55
2,2'-DiCB	4	---	---	U	---	5.68
2,3-DiCB	5	---	---	U	---	3.85
2,3'-DiCB	6	---	---	U	---	3.51
2,4-DiCB	7	---	---	U	---	3.64
2,4'-DiCB	8	---	---	U	---	3.35
2,5-DiCB	9	---	---	U	---	3.47
2,6-DiCB	10	---	---	U	---	3.53
3,3'-DiCB	11	---	11.6	B J	U	3.67
3,4-DiCB	12	12 + 13	---	C U	---	3.8
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	3.56
4,4'-DiCB	15	---	---	U	---	3.95
2,2',3-TriCB	16	---	0.915	K B J	U	0.785
2,2',4-TriCB	17	---	2.69	K B J	U	0.661
2,2',5-TriCB	18	18 + 30	1.82	C B J	U	0.548
2,2',6-TriCB	19	---	---	U	---	0.783
2,3,3'-TriCB	20	20 + 28	4.67	C B J	U	0.522
2,3,4-TriCB	21	21 + 33	6.07	C B J	---	0.508
2,3,4'-TriCB	22	---	1.23	J	---	0.566
2,3,5-TriCB	23	---	---	U	---	0.55
2,3,6-TriCB	24	---	---	U	---	0.508
2,3',4-TriCB	25	---	0.68	J	---	0.508
2,3',5-TriCB	26	26 + 29	---	C U	---	0.519
2,3',6-TriCB	27	---	---	U	---	0.508
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.43	B J	U	0.508
2,4',6-TriCB	32	---	0.831	B J	U	0.508
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	0.521
3,3',4-TriCB	35	---	---	U	---	0.556
3,3',5-TriCB	36	---	---	U	---	0.508
3,4,4'-TriCB	37	---	0.852	J	---	0.537
3,4,5-TriCB	38	---	---	U	---	0.53
3,4',5-TriCB	39	---	---	U	---	0.513
2,2',3,3'-TeCB	40	40 + 41 + 71	1.39	C K J	U	0.508
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	0.668	J	---	0.532
2,2',3,5-TeCB	43	---	---	U	---	0.59
2,2',3,5'-TeCB	44	44 + 47 + 65	38.8	C B	R1	0.508
2,2',3,6-TeCB	45	45 + 51	98.7	C	R1	0.508
2,2',3,6'-TeCB	46	---	---	U	---	0.596
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	0.509

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59595-1
 Collection Date 29-Jan-14

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	2.29	C B J	---	0.508
2,2',4,6'-TeCB	50	50 + 53	---	C U	---	0.508
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	2.6	B J	---	0.508
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	0.508
2,3,3',4'-TeCB	55	---	---	U	---	0.508
2,3,3',4'-TeCB	56	---	0.925	J	---	0.508
2,3,3',5'-TeCB	57	---	---	U	---	0.508
2,3,3',5'-TeCB	58	---	---	U	---	0.508
2,3,3',6'-TeCB	59	59 + 62 + 75	---	C U	---	0.508
2,3,4,4'-TeCB	60	---	0.687	K J	U	0.508
2,3,4,5'-TeCB	61	61 + 70 + 74 + 76	3.37	C B J	U	0.508
2,3,4,6'-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5'-TeCB	63	---	---	U	---	0.508
2,3,4',6'-TeCB	64	---	0.85	J	---	0.508
2,3,5,6'-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	1.74	B J	U	0.508
2,3',4,5'-TeCB	67	---	---	U	---	0.508
2,3',4,5'-TeCB	68	---	50.2	---	R1	0.508
2,3',4,6'-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5'-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6'-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	0.508
2,3',5',6'-TeCB	73	---	---	U	---	0.508
2,4,4',5'-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6'-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5'-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	0.69	K J	U	0.508
3,3',4,5'-TeCB	78	---	---	U	---	0.508
3,3',4,5'-TeCB	79	---	---	U	---	0.508
3,3',5,5'-TeCB	80	---	---	U	---	0.508
3,4,4',5'-TeCB	81	---	---	U	---	0.508
2,2',3,3',4'-PeCB	82	---	---	U	---	0.664
2,2',3,3',5'-PeCB	83	83 + 99	1.59	C K J	U	0.585
2,2',3,3',6'-PeCB	84	---	---	U	---	0.682
2,2',3,4,4'-PeCB	85	85 + 116 + 117	0.675	C K J	U	0.508
2,2',3,4,5'-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	2.15	C K J	U	0.508
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6'-PeCB	88	88 + 91	1.04	C J	---	0.581
2,2',3,4,6'-PeCB	89	---	---	U	---	0.613
2,2',3,4',5'-PeCB	90	90 + 101 + 113	2.7	C K B J	U	0.515
2,2',3,4',6'-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	0.577
2,2',3,5,6'-PeCB	93	93 + 95 + 98 + 100 + 102	2.08	C B J	---	0.567
2,2',3,5,6'-PeCB	94	---	---	U	---	0.631
2,2',3,5',6'-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	0.508

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59595-1
 Collection Date 29-Jan-14

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	0.51
2,2',4,6,6'-PeCB	104	---	---	U	---	0.508
2,3,3',4,4'-PeCB	105	---	1.03	J	---	0.508
2,3,3',4,5-PeCB	106	---	---	U	---	0.508
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	0.508
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	0.508
2,3,3',4',6-PeCB	110	110 + 115	3.18	C B J	---	0.508
2,3,3',5,5'-PeCB	111	---	---	U	---	0.508
2,3,3',5,6-PeCB	112	---	---	U	---	0.508
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	0.508
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	2.46	K J	U	0.508
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	0.508
2,3',4,5',6-PeCB	121	---	---	U	---	0.508
2',3,3',4,5-PeCB	122	---	---	U	---	0.508
2',3,4,4',5-PeCB	123	---	---	U	---	0.508
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	0.508
3,3',4,5,5'-PeCB	127	---	---	U	---	0.508
2,2',3,3',4,4'-HxCB	128	128 + 166	0.635	C K J	U	0.583
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	3.16	C K J	U	0.581
2,2',3,3',4,5'-HxCB	130	---	---	U	---	0.731
2,2',3,3',4,6-HxCB	131	---	---	U	---	0.681
2,2',3,3',4,6'-HxCB	132	---	1.33	K J	U	0.708
2,2',3,3',5,5'-HxCB	133	---	---	U	---	0.656
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	0.665
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	0.95	C B J	---	0.611
2,2',3,3',6,6'-HxCB	136	---	---	U	---	0.508
2,2',3,4,4',5-HxCB	137	---	---	U	---	0.644
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	0.608
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	0.651
2,2',3,4,5,6-HxCB	142	---	---	U	---	0.698
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	0.624

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup WG46443
 KC Sample ID L59595-1
 Collection Date 29-Jan-14

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	0.508
2,2',3,4',5,5'-HxCB	146	---	---	U	---	0.576
2,2',3,4',5,6-HxCB	147	147 + 149	2.28	C K J	U	0.6
2,2',3,4',5,6'-HxCB	148	---	---	U	---	0.627
2,2',3,4',5',6-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	0.508
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	0.508
2,2',4,4',5,5'-HxCB	153	153 + 168	1.9	C B J	U	0.508
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	0.508
2,3,3',4,4',5-HxCB	156	156 + 157	---	C U	---	0.57
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6-HxCB	158	---	---	U	---	0.508
2,3,3',4,5,5'-HxCB	159	---	---	U	---	0.508
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6-HxCB	161	---	---	U	---	0.508
2,3,3',4',5,5'-HxCB	162	---	---	U	---	0.508
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6-HxCB	164	---	---	U	---	0.508
2,3,3',5,5',6-HxCB	165	---	---	U	---	0.531
2,3,4,4',5,6-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	0.508
2,3',4,4',5',6-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	0.508
2,2',3,3',4,4',5-HpCB	170	---	---	U	---	0.603
2,2',3,3',4,4',6-HpCB	171	171 + 173	---	C U	---	0.636
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	0.642
2,2',3,3',4,5,6-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	0.594
2,2',3,3',4,5',6-HpCB	175	---	---	U	---	0.567
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	0.508
2,2',3,3',4',5,6-HpCB	177	---	---	U	---	0.615
2,2',3,3',5,5',6-HpCB	178	---	---	U	---	0.593
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	0.508
2,2',3,4,4',5,5'-HpCB	180	180 + 193	1.43	C B J	U	0.51
2,2',3,4,4',5,6-HpCB	181	---	---	U	---	0.613
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	0.573
2,2',3,4,4',5',6-HpCB	183	183 + 185	---	C U	---	0.569
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	0.508
2,2',3,4,5,5',6-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	0.508
2,2',3,4',5,5',6-HpCB	187	---	1.12	J	---	0.553
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	0.508
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	0.508
2,3,3',4,4',5,6-HpCB	190	---	---	U	---	0.508
2,3,3',4,4',5',6-HpCB	191	---	---	U	---	0.508
2,3,3',4,5,5',6-HpCB	192	---	---	U	---	0.509

Table B2-6. PCB Congener AXYS Analytical Data for Green River Mainstem (KP319) - Storm

AXYS Workgroup **WG46443**
 KC Sample ID **L59595-1**
 Collection Date **29-Jan-14**

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	0.604
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	0.686
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	0.571
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	0.508
2,2',3,3',4,5,5',6'-OcCB	198	198 + 199	0.704	C K J	U	0.589
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	0.508
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	0.508
2,2',3,4,4',5,5',6'-OcCB	203	---	---	U	---	0.545
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	0.508
2,3,3',4,4',5,5',6'-OcCB	205	---	---	U	---	0.508
2,2',3,3',4,4',5,5',6-NoCB	206	---	---	U	---	1.01
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	0.77
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	0.786
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	1.59	J	---	0.509
Total PCB		---	32.6	---	J	---

Table B2-7. PCB Congener AXYS Analytical Data for Equipment Blank (ISCO® Autosampler)

AXYS Workgroup WG45859

KC Sample ID L57794-1

Collection Date 23-Apr-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2-MoCB	1	---	1.94	B J	---	1.01
3-MoCB	2	---	1.81	B J	---	1.26
4-MoCB	3	---	2.79	K B J	U	1.18
2,2'-DiCB	4	---	---	U	---	5.39
2,3-DiCB	5	---	---	U	---	4.61
2,3'-DiCB	6	---	---	U	---	4.04
2,4-DiCB	7	---	---	U	---	4.14
2,4'-DiCB	8	---	---	U	---	3.68
2,5-DiCB	9	---	---	U	---	4.03
2,6-DiCB	10	---	---	U	---	4.06
3,3'-DiCB	11	---	9.51	K B J	U	4.23
3,4-DiCB	12	12 + 13	---	C U	---	4.44
3,4'-DiCB	13	12 + 13	---	C12	---	---
3,5-DiCB	14	---	---	U	---	4.15
4,4'-DiCB	15	---	---	U	---	4.3
2,2',3-TriCB	16	---	---	U	---	1.87
2,2',4-TriCB	17	---	2.48	B J	---	1.58
2,2',5-TriCB	18	18 + 30	2.09	C K B J	U	1.34
2,2',6-TriCB	19	---	---	U	---	1.8
2,3,3'-TriCB	20	20 + 28	4.5	C B J	U	1.14
2,3,4-TriCB	21	21 + 33	4.66	C B J	---	1.12
2,3,4'-TriCB	22	---	1.6	K B J	U	1.26
2,3,5-TriCB	23	---	---	U	---	1.23
2,3,6-TriCB	24	---	---	U	---	1.17
2,3',4-TriCB	25	---	---	U	---	1.04
2,3',5-TriCB	26	26 + 29	---	C U	---	1.19
2,3',6-TriCB	27	---	---	U	---	1.13
2,4,4'-TriCB	28	20 + 28	---	C20	---	---
2,4,5-TriCB	29	26 + 29	---	C26	---	---
2,4,6-TriCB	30	18 + 30	---	C18	---	---
2,4',5-TriCB	31	---	2.98	B J	U	1.11
2,4',6-TriCB	32	---	1.21	K B J	U	1.12
2',3,4-TriCB	33	21 + 33	---	C21	---	---
2',3,5-TriCB	34	---	---	U	---	1.19
3,3',4-TriCB	35	---	---	U	---	1.24
3,3',5-TriCB	36	---	---	U	---	1.13
3,4,4'-TriCB	37	---	2.02	B J	U	1.16
3,4,5-TriCB	38	---	---	U	---	1.21
3,4',5-TriCB	39	---	---	U	---	1.17
2,2',3,3'-TeCB	40	40 + 41 + 71	2.45	C B J	---	1.47
2,2',3,4-TeCB	41	40 + 41 + 71	---	C40	---	---
2,2',3,4'-TeCB	42	---	---	U	---	1.51
2,2',3,5-TeCB	43	---	---	U	---	1.67
2,2',3,5'-TeCB	44	44 + 47 + 65	53.5	C B	---	1.35
2,2',3,6-TeCB	45	45 + 51	82.8	C B	---	1.44
2,2',3,6'-TeCB	46	---	---	U	---	1.69
2,2',4,4'-TeCB	47	44 + 47 + 65	---	C44	---	---
2,2',4,5-TeCB	48	---	---	U	---	1.46

Table B2-7. PCB Congener AXYS Analytical Data for Equipment Blank (ISCO® Autosampler)

AXYS Workgroup WG45859

KC Sample ID L57794-1

Collection Date 23-Apr-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',4,5'-TeCB	49	49 + 69	2.68	C B J	U	1.25
2,2',4,6'-TeCB	50	50 + 53	---	C U	---	1.43
2,2',4,6'-TeCB	51	45 + 51	---	C45	---	---
2,2',5,5'-TeCB	52	---	3.35	K B J	U	1.34
2,2',5,6'-TeCB	53	50 + 53	---	C50	---	---
2,2',6,6'-TeCB	54	---	---	U	---	1.2
2,3,3',4'-TeCB	55	---	---	U	---	1.62
2,3,3',4'-TeCB	56	---	2.05	B J	U	1.65
2,3,3',5'-TeCB	57	---	---	U	---	1.56
2,3,3',5'-TeCB	58	---	---	U	---	1.63
2,3,3',6'-TeCB	59	59 + 62 + 75	---	C U	---	1.11
2,3,4,4'-TeCB	60	---	---	U	---	1.64
2,3,4,5'-TeCB	61	61 + 70 + 74 + 76	5.87	C B J	U	1.57
2,3,4,6'-TeCB	62	59 + 62 + 75	---	C59	---	---
2,3,4',5'-TeCB	63	---	---	U	---	1.5
2,3,4',6'-TeCB	64	---	1.63	K B J	U	1.09
2,3,5,6'-TeCB	65	44 + 47 + 65	---	C44	---	---
2,3',4,4'-TeCB	66	---	2.62	B J	U	1.5
2,3',4,5'-TeCB	67	---	---	U	---	1.38
2,3',4,5'-TeCB	68	---	38.2	---	---	1.46
2,3',4,6'-TeCB	69	49 + 69	---	C49	---	---
2,3',4',5'-TeCB	70	61 + 70 + 74 + 76	---	C61	---	---
2,3',4',6'-TeCB	71	40 + 41 + 71	---	C40	---	---
2,3',5,5'-TeCB	72	---	---	U	---	1.45
2,3',5',6'-TeCB	73	---	---	U	---	1.16
2,4,4',5'-TeCB	74	61 + 70 + 74 + 76	---	C61	---	---
2,4,4',6'-TeCB	75	59 + 62 + 75	---	C59	---	---
2',3,4,5'-TeCB	76	61 + 70 + 74 + 76	---	C61	---	---
3,3',4,4'-TeCB	77	---	---	U	---	1.41
3,3',4,5'-TeCB	78	---	---	U	---	1.68
3,3',4,5'-TeCB	79	---	---	U	---	1.36
3,3',5,5'-TeCB	80	---	---	U	---	1.46
3,4,4',5'-TeCB	81	---	---	U	---	1.5
2,2',3,3',4'-PeCB	82	---	---	U	---	1.93
2,2',3,3',5'-PeCB	83	83 + 99	3.95	C B J	U	1.76
2,2',3,3',6'-PeCB	84	---	---	U	---	1.93
2,2',3,4,4'-PeCB	85	85 + 116 + 117	---	C U	---	1.47
2,2',3,4,5'-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	4.47	C B J	---	1.49
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3,4,6'-PeCB	88	88 + 91	---	C U	---	1.73
2,2',3,4,6'-PeCB	89	---	---	U	---	1.79
2,2',3,4',5'-PeCB	90	90 + 101 + 113	4.36	C B J	---	1.53
2,2',3,4',6'-PeCB	91	88 + 91	---	C88	---	---
2,2',3,5,5'-PeCB	92	---	---	U	---	1.71
2,2',3,5,6'-PeCB	93	93 + 95 + 98 + 100 + 102	4.16	C K B J	U	1.69
2,2',3,5,6'-PeCB	94	---	---	U	---	1.88
2,2',3,5',6'-PeCB	95	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',3,6,6'-PeCB	96	---	---	U	---	1.23

Table B2-7. PCB Congener AXYS Analytical Data for Equipment Blank (ISCO® Autosampler)

AXYS Workgroup WG45859

KC Sample ID L57794-1

Collection Date 23-Apr-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,4',5-PeCB	99	83 + 99	---	C83	---	---
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5,5'-PeCB	101	90 + 101 + 113	---	C90	---	---
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	---	C93	---	---
2,2',4,5',6-PeCB	103	---	---	U	---	1.51
2,2',4,6,6'-PeCB	104	---	---	U	---	1.47
2,3,3',4,4'-PeCB	105	---	1.59	B J	U	1.27
2,3,3',4,5-PeCB	106	---	---	U	---	1.37
2,3,3',4',5-PeCB	107	107 + 124	---	C U	---	1.52
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3,3',4,6-PeCB	109	---	---	U	---	1.42
2,3,3',4',6-PeCB	110	110 + 115	6.66	C K B J	U	1.32
2,3,3',5,5'-PeCB	111	---	---	U	---	1.32
2,3,3',5,6-PeCB	112	---	---	U	---	1.3
2,3,3',5',6-PeCB	113	90 + 101 + 113	---	C90	---	---
2,3,4,4',5-PeCB	114	---	---	U	---	1.29
2,3,4,4',6-PeCB	115	110 + 115	---	C110	---	---
2,3,4,5,6-PeCB	116	85 + 116 + 117	---	C85	---	---
2,3,4',5,6-PeCB	117	85 + 116 + 117	---	C85	---	---
2,3',4,4',5-PeCB	118	---	3.39	B J	U	1.27
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
2,3',4,5,5'-PeCB	120	---	---	U	---	1.25
2,3',4,5',6-PeCB	121	---	---	U	---	1.3
2',3,3',4,5-PeCB	122	---	---	U	---	1.46
2',3,4,4',5-PeCB	123	---	---	U	---	1.33
2',3,4,5,5'-PeCB	124	107 + 124	---	C107	---	---
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	---	C86	---	---
3,3',4,4',5-PeCB	126	---	---	U	---	1.35
3,3',4,5,5'-PeCB	127	---	---	U	---	1.54
2,2',3,3',4,4'-HxCB	128	128 + 166	---	C U	---	1.75
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	7.11	C B J	U	1.78
2,2',3,3',4,5'-HxCB	130	---	---	U	---	2.16
2,2',3,3',4,6-HxCB	131	---	---	U	---	2.02
2,2',3,3',4,6'-HxCB	132	---	---	U	---	2.12
2,2',3,3',5,5'-HxCB	133	---	---	U	---	1.93
2,2',3,3',5,6-HxCB	134	134 + 143	---	C U	---	2
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	1.8	C K B J	U	1.62
2,2',3,3',6,6'-HxCB	136	---	---	U	---	1.26
2,2',3,4,4',5-HxCB	137	---	---	U	---	2.13
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	---	C129	---	---
2,2',3,4,4',6-HxCB	139	139 + 140	---	C U	---	1.82
2,2',3,4,4',6'-HxCB	140	139 + 140	---	C139	---	---
2,2',3,4,5,5'-HxCB	141	---	---	U	---	1.94
2,2',3,4,5,6-HxCB	142	---	---	U	---	2
2,2',3,4,5,6'-HxCB	143	134 + 143	---	C134	---	---
2,2',3,4,5',6-HxCB	144	---	---	U	---	1.67

Table B2-7. PCB Congener AXYS Analytical Data for Equipment Blank (ISCO® Autosampler)

AXYS Workgroup WG45859

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Collection Date 23-Apr-13

Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,2',3,4,6,6'-HxCB	145	---	---	U	---	1.33
2,2',3,4',5,5'-HxCB	146	---	---	U	---	1.74
2,2',3,4',5,6'-HxCB	147	147 + 149	3.65	C B J	U	1.79
2,2',3,4',5,6'-HxCB	148	---	---	U	---	1.69
2,2',3,4',5',6'-HxCB	149	147 + 149	---	C147	---	---
2,2',3,4',6,6'-HxCB	150	---	---	U	---	1.28
2,2',3,5,5',6'-HxCB	151	135 + 151 + 154	---	C135	---	---
2,2',3,5,6,6'-HxCB	152	---	---	U	---	1.22
2,2',4,4',5,5'-HxCB	153	153 + 168	5.54	C B J	U	1.57
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	---	C135	---	---
2,2',4,4',6,6'-HxCB	155	---	---	U	---	1.36
2,3,3',4,4',5'-HxCB	156	156 + 157	---	C U	---	1.8
2,3,3',4,4',5'-HxCB	157	156 + 157	---	C156	---	---
2,3,3',4,4',6'-HxCB	158	---	---	U	---	1.39
2,3,3',4,5,5'-HxCB	159	---	---	U	---	1.45
2,3,3',4,5,6'-HxCB	160	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4,5',6'-HxCB	161	---	---	U	---	1.43
2,3,3',4',5,5'-HxCB	162	---	---	U	---	1.5
2,3,3',4',5,6'-HxCB	163	129 + 138 + 160 + 163	---	C129	---	---
2,3,3',4',5',6'-HxCB	164	---	---	U	---	1.47
2,3,3',5,5',6'-HxCB	165	---	---	U	---	1.63
2,3,4,4',5,6'-HxCB	166	128 + 166	---	C128	---	---
2,3',4,4',5,5'-HxCB	167	---	---	U	---	1.28
2,3',4,4',5',6'-HxCB	168	153 + 168	---	C153	---	---
3,3',4,4',5,5'-HxCB	169	---	---	U	---	1.38
2,2',3,3',4,4',5'-HpCB	170	---	1.91	K B J	U	1.87
2,2',3,3',4,4',6'-HpCB	171	171 + 173	---	C U	---	1.96
2,2',3,3',4,5,5'-HpCB	172	---	---	U	---	1.97
2,2',3,3',4,5,6'-HpCB	173	171 + 173	---	C171	---	---
2,2',3,3',4,5,6'-HpCB	174	---	---	U	---	1.81
2,2',3,3',4,5',6'-HpCB	175	---	---	U	---	1.7
2,2',3,3',4,6,6'-HpCB	176	---	---	U	---	1.33
2,2',3,3',4',5,6'-HpCB	177	---	---	U	---	1.87
2,2',3,3',5,5',6'-HpCB	178	---	---	U	---	1.77
2,2',3,3',5,6,6'-HpCB	179	---	---	U	---	1.25
2,2',3,4,4',5,5'-HpCB	180	180 + 193	4.36	C B J	U	1.5
2,2',3,4,4',5,6'-HpCB	181	---	---	U	---	1.85
2,2',3,4,4',5,6'-HpCB	182	---	---	U	---	1.69
2,2',3,4,4',5',6'-HpCB	183	183 + 185	2.83	C K B J	U	1.69
2,2',3,4,4',6,6'-HpCB	184	---	---	U	---	1.26
2,2',3,4,5,5',6'-HpCB	185	183 + 185	---	C183	---	---
2,2',3,4,5,6,6'-HpCB	186	---	---	U	---	1.4
2,2',3,4',5,5',6'-HpCB	187	---	3.2	B J	U	1.61
2,2',3,4',5,6,6'-HpCB	188	---	---	U	---	1.32
2,3,3',4,4',5,5'-HpCB	189	---	---	U	---	1.34
2,3,3',4,4',5,6'-HpCB	190	---	---	U	---	1.52
2,3,3',4,4',5',6'-HpCB	191	---	---	U	---	1.5
2,3,3',4,5,5',6'-HpCB	192	---	---	U	---	1.62

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AXYS Workgroup WG45859

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Compound	IUPAC #	Coelutions	Conc. (pg/L)	Lab Qual	Val Qual	SDL (pg/L)
2,3,3',4',5,5',6-HpCB	193	180 + 193	---	C180	---	---
2,2',3,3',4,4',5,5'-OcCB	194	---	---	U	---	1.84
2,2',3,3',4,4',5,6'-OcCB	195	---	---	U	---	1.88
2,2',3,3',4,4',5,6'-OcCB	196	---	---	U	---	2.05
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	---	C U	---	1.5
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	---	C U	---	2.19
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	---	C198	---	---
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	---	C197	---	---
2,2',3,3',4,5',6,6'-OcCB	201	---	---	U	---	1.49
2,2',3,3',5,5',6,6'-OcCB	202	---	---	U	---	1.76
2,2',3,4,4',5,5',6-OcCB	203	---	---	U	---	1.95
2,2',3,4,4',5,6,6'-OcCB	204	---	---	U	---	1.53
2,3,3',4,4',5,5',6-OcCB	205	---	---	U	---	1.42
2,2',3,3',4,4',5,5',6-NoCB	206	---	---	U	---	2.21
2,2',3,3',4,4',5,6,6'-NoCB	207	---	---	U	---	1.69
2,2',3,3',4,5,5',6,6'-NoCB	208	---	---	U	---	1.79
2,2',3,3',4,4',5,5',6,6'-DeCB	209	---	---	U	---	1.78
Total PCB		---	197	---	J	---