

Table D-1. CSO and CSO-like PCB Congener Composite Data Results for Samples Collected in September 2007.

Locator	A4007		A4007		A00602	
Descrip	MICHIGAN STREET REG		MICHIGAN STREET REG		DUWAMISH SIPHON FOREBAY	
Sampled	09/04/07 8:17:00 AM		09/30/07 7:27:00 AM		09/30/07 2:10:00 PM	
KC Sample ID	L43790-1		L43913-1		L43913-2	
AXYS ID	L10318-2	validation	L10445-2	validation	L10445-3	validation
WORKGROUP	WG23202	qualifier	WG23448	qualifier	WG23448	qualifier
Sample Size	0.872 L		0.916 L		0.821 L	
UNITS	pg/L		pg/L		pg/L	
CL1-PCB-1	22.4		25.8		42.1	
CL1-PCB-2	4.46		4.87		18	
CL1-PCB-3	16.2		13		38.2	
CL2-PCB-4	786		429		145	
CL2-PCB-5	K 13.7	U	13.9		< 3.26	U
CL2-PCB-6	601		178		87.2	
CL2-PCB-7	40.9		29.8	U	10.1	U
CL2-PCB-8	1230		780		210	
CL2-PCB-9	71.7		52.9		13.4	
CL2-PCB-10	30.7		15.9		4.83	
CL2-PCB-11	367		121		427	
CL2-PCB-12/13	114		69.7		42.7	
CL2-PCB-14	< 2.13	U	< 0.990	U	< 3.06	U
CL2-PCB-15	756		469		147	
CL3-PCB-16	1030		561		155	
CL3-PCB-17	1080		547		201	
CL3-PCB-18/30	2140		1070		392	
CL3-PCB-19	320		198		97	
CL3-PCB-20/28	3210		1850		733	
CL3-PCB-21/33	1390		896		302	
CL3-PCB-22	1180		728		244	
CL3-PCB-23	4.46		K 2.44	U	K 0.833	U
CL3-PCB-24	40.6		21.4		4.86	
CL3-PCB-25	265		157		95.4	
CL3-PCB-26/29	626		347		128	
CL3-PCB-27	209		89.7		64.1	
CL3-PCB-31	2550		1420		555	
CL3-PCB-32	761		429		199	
CL3-PCB-34	16		7.91		3.2	
CL3-PCB-35	61.8		37.5		30.9	
CL3-PCB-36	2.1		1.13		6.94	
CL3-PCB-37	966		552		160	
CL3-PCB-38	K 2.13	U	K 0.915	U	< 0.773	U
CL3-PCB-39	20.6		9.29		3.13	
CL4-PCB-40/41/71	1290		778		339	
CL4-PCB-42	604		368		157	
CL4-PCB-43	60.2		52.1		25.4	
CL4-PCB-44/47/65	2210		1350		1330	
CL4-PCB-45/51	481		286		475	
CL4-PCB-46	161		92		45.1	
CL4-PCB-48	479		283		111	
CL4-PCB-49/69	1290		793		441	
CL4-PCB-50/53	350		199		121	
CL4-PCB-52	2280		1280		1040	
CL4-PCB-54	8.44		7.04		3.52	

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Locator	A4007		A4007		A00602	
Descrip	MICHIGAN STREET REG		MICHIGAN STREET REG		DUWAMISH SIPHON FOREBAY	
Sampled	09/04/07 8:17:00 AM		09/30/07 7:27:00 AM		09/30/07 2:10:00 PM	
KC Sample ID	L43790-1		L43913-1		L43913-2	
AXYS ID	L10318-2	validation	L10445-2		L10445-3	
WORKGROUP	WG23202	qualifier	WG23448	validation	WG23448	validation
Sample Size	0.872 L		0.916 L	qualifier	0.821 L	qualifier
UNITS	pg/L		pg/L		pg/L	
CL4-PCB-55	64.9		33.4		< 3.05	U
CL4-PCB-56	1070		624		227	
CL4-PCB-57	16.3		10		< 2.88	U
CL4-PCB-58	4.93		K 4.28	U	< 2.97	U
CL4-PCB-59/62/75	213		126		51.2	
CL4-PCB-60	587		352		122	
CL4-PCB-61/70/74/76	3650		2030		1180	
CL4-PCB-63	93.7		50.1		21.1	
CL4-PCB-64	902		554		267	
CL4-PCB-66	1920		1130		480	
CL4-PCB-67	77.2		45.2		15.1	
CL4-PCB-68	40.4		32.6		176	
CL4-PCB-72	14.5		9.38		3.75	
CL4-PCB-73	53.5		< 0.546	U	< 0.910	U
CL4-PCB-77	241		158		63.4	
CL4-PCB-78	< 3.12	U	< 1.41	U	< 2.97	U
CL4-PCB-79	27.8		14.5		13.7	
CL4-PCB-80	< 2.72	U	< 1.23	U	< 2.64	U
CL4-PCB-81	K 9.43	U	7.58		3.55	
CL5-PCB-82	243		171		153	
CL5-PCB-83/99	1000		633		680	
CL5-PCB-84	531		314		329	
CL5-PCB-85/116/117	331		225		218	
CB-86/87/97/108/119/125	1310		853		966	
CL5-PCB-88/91	281		177		161	
CL5-PCB-89	31.8		20.5		11.2	
CL5-PCB-90/101/113	1860		1230		1340	
CL5-PCB-92	339		230		235	
CL5-PCB-93/95/98/100/102	1580		992		1040	
CL5-PCB-94	15		12.6		4.69	
CL5-PCB-96	20.1		11		7.25	
CL5-PCB-103	15.1		11.8		7.63	
CL5-PCB-104	K 1.04	U	K 0.980	U	< 1.27	U
CL5-PCB-105	771		494		542	
CL5-PCB-106	7.55		< 2.96	U	< 4.08	U
CL5-PCB-107/124	71.3		46.2		55	
CL5-PCB-109	108		73.2		81.8	
CL5-PCB-110/115	2150		1390		1500	
CL5-PCB-111	< 1.26	U	K 0.873	U	< 1.77	U
CL5-PCB-112	< 1.17	U	< 0.546	U	< 1.75	U
CL5-PCB-114	46.1		28		31.1	
CL5-PCB-118	1640		1070		1280	
CL5-PCB-120	K 3.89	U	3.14		< 1.71	U
CL5-PCB-121	< 1.23	U	< 0.546	U	< 1.80	U
CL5-PCB-122	24.8		17.7		17.4	

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Locator	A4007		A4007		A00602	
Descrip	MICHIGAN STREET REG		MICHIGAN STREET REG		DUWAMISH SIPHON FOREBAY	
Sampled	09/04/07 8:17:00 AM		09/30/07 7:27:00 AM		09/30/07 2:10:00 PM	
KC Sample ID	L43790-1		L43913-1		L43913-2	
AXYS ID	L10318-2	validation	L10445-2	validation	L10445-3	validation
WORKGROUP	WG23202	qualifier	WG23448	qualifier	WG23448	qualifier
Sample Size	0.872 L		0.916 L		0.821 L	
UNITS	pg/L		pg/L		pg/L	
CL5-PCB-123	33.4		22.8		34.8	
CL5-PCB-126	18.7		10.8		K 9.06	U
CL5-PCB-127	4.66		< 3.11	U	K 3.97	U
CL6-PCB-128/166	356		238		263	
CL6-PCB-129/138/160/163	2350		1570		1570	
CL6-PCB-130	135		88.6		96.1	
CL6-PCB-131	27.7		18.9		23.1	
CL6-PCB-132	756		539		504	
CL6-PCB-133	31.2		22.6		17.7	
CL6-PCB-134/143	109		77.6		78.7	
CL6-PCB-135/151/154	857		610		406	
CL6-PCB-136	312		207		172	
CL6-PCB-137	99.9		57		80.4	
CL6-PCB-139/140	33.5		20		29.4	
CL6-PCB-141	478		338		279	
CL6-PCB-142	< 4.10	U	< 2.29	U	< 4.65	U
CL6-PCB-144	121		86.4		66.4	
CL6-PCB-145	1.65		K 0.669	U	< 2.52	U
CL6-PCB-146	314		188		198	
CL6-PCB-147/149	1700		1360		1090	
CL6-PCB-148	3.7		2.84		< 3.24	U
CL6-PCB-150	4.22		K 3.06	U	K 2.56	U
CL6-PCB-152	2.84		2.01		< 2.42	U
CL6-PCB-153/168	1990		1310		1210	
CL6-PCB-155	1.95		K 0.761	U	6.24	
CL6-PCB-156/157	281		177		195	
CL6-PCB-158	229		152		157	
CL6-PCB-159	34.1		25.8		16.1	
CL6-PCB-161	< 2.86	U	< 1.47	U	< 3.28	U
CL6-PCB-162	6.11		3.71		6.56	
CL6-PCB-164	157		113		102	
CL6-PCB-165	< 3.25	U	< 1.78	U	< 3.68	U
CL6-PCB-167	102		59.2		67	
CL6-PCB-169	< 4.62	U	< 1.75	U	< 3.57	U
CL7-PCB-170	777		415		305	
CL7-PCB-171/173	233		138		94.3	
CL7-PCB-172	152		83.3		62	
CL7-PCB-174	776		505		353	
CL7-PCB-175	34		21.8		16.4	
CL7-PCB-176	91.9		69.6		44.4	
CL7-PCB-177	438		285		189	
CL7-PCB-178	167		110		80.2	
CL7-PCB-179	322		238		170	
CL7-PCB-180/193	1800		998		830	
CL7-PCB-181	5.57		K 3.46	U	K 2.82	U

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Locator	A4007		A4007		A00602	
Descrip	MICHIGAN STREET REG		MICHIGAN STREET REG		DUWAMISH SIPHON FOREBAY	
Sampled	09/04/07 8:17:00 AM		09/30/07 7:27:00 AM		09/30/07 2:10:00 PM	
KC Sample ID	L43790-1		L43913-1		L43913-2	
AXYS ID	L10318-2	validation	L10445-2	validation	L10445-3	validation
WORKGROUP	WG23202	qualifier	WG23448	qualifier	WG23448	qualifier
Sample Size	0.872 L		0.916 L		0.821 L	
UNITS	pg/L		pg/L		pg/L	
CL7-PCB-182	5.28		4.02		4.17	
CL7-PCB-183/185	546		352		277	
CL7-PCB-184	4.96		1.92		16.2	
CL7-PCB-186	< 0.574	U	< 0.546	U	< 1.52	U
CL7-PCB-187	1050		651		622	
CL7-PCB-188	2.74		1.36		2.17	
CL7-PCB-189	32.5		16.3		14	
CL7-PCB-190	165		88.8		65.1	
CL7-PCB-191	32.1		18.3		14.2	
CL7-PCB-192	< 0.574	U	< 0.546	U	< 1.72	U
CL8-PCB-194	467		184		286	
CL8-PCB-195	170		75.6		78.5	
CL8-PCB-196	235		116		158	
CL8-PCB-197/200	90.6		41.1		59.9	
CL8-PCB-198/199	537		257		498	
CL8-PCB-201	62.2		33.2		63.5	
CL8-PCB-202	102		54.2		152	
CL8-PCB-203	306		151		329	
CL8-PCB-204	< 0.574	U	< 0.546	U	0.783	
CL8-PCB-205	27.1		10.2		12.5	
CL9-PCB-206	212		78		345	
CL9-PCB-207	22.6		11.8		45.4	
CL9-PCB-208	53.4		21.1		116	
CL10-PCB-209	85.7		23.2		82.3	
Total PCBs	70,000		42,100		32,000	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
 number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
 number following this symbol represents the detection limit

U = analyte not detected

Table D-2. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in December 2007.

Locator	A4007		A00602	
Descrip	MICHIGAN STREET REG		DUWAMISH SIPHON FOREBAY	
Sampled	12/02/07 12:00:00 AM		12/02/07 12:00:00 AM	
KC Sample ID	L44133-1		L44133-2	
AXYS ID	L10719-2	validation	L10719-3	validation
WORKGROUP	WG24297	qualifier	WG24297	qualifier
Sample Size	0.919 L		0.919 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	96.4		62.6	
CL1-PCB-2	19.3		10.2	
CL1-PCB-3	57.6		39.2	
CL2-PCB-4	893		250	
CL2-PCB-5	62.4		12.5	
CL2-PCB-6	523		116	
CL2-PCB-7	106		20.8	U
CL2-PCB-8	2440		451	
CL2-PCB-9	177		34	
CL2-PCB-10	36.5		8.19	
CL2-PCB-11	393		292	
CL2-PCB-12/13	206		43.5	
CL2-PCB-14	< 1.40	U	< 1.14	U
CL2-PCB-15	1230		240	
CL3-PCB-16	1550		281	
CL3-PCB-17	1610		279	
CL3-PCB-18/30	3260		593	
CL3-PCB-19	458		102	
CL3-PCB-20/28	5300		892	
CL3-PCB-21/33	2750		506	
CL3-PCB-22	2030		344	
CL3-PCB-23	9.14		1.46	
CL3-PCB-24	62.1		9.73	
CL3-PCB-25	409		77.3	
CL3-PCB-26/29	950		163	
CL3-PCB-27	274		60.9	
CL3-PCB-31	4290		743	
CL3-PCB-32	1160		212	
CL3-PCB-34	23.9		4.39	
CL3-PCB-35	105		23.7	
CL3-PCB-36	3.77		3.01	
CL3-PCB-37	1480		271	
CL3-PCB-38	3.55		< 0.791	U
CL3-PCB-39	28.4		6.01	
CL4-PCB-40/41/71	1900		453	
CL4-PCB-42	866		197	
CL4-PCB-43	148		33.2	
CL4-PCB-44/47/65	3330		886	
CL4-PCB-45/51	782		179	
CL4-PCB-46	248		56.1	
CL4-PCB-48	744		165	
CL4-PCB-49/69	1880		451	
CL4-PCB-50/53	548		125	
CL4-PCB-52	3200		962	
CL4-PCB-54	19.8		3.15	

Table D-2. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in December 2007.

Locator	A4007		A00602	
Descrip	MICHIGAN STREET REG		DUWAMISH SIPHON FOREBAY	
Sampled	12/02/07 12:00:00 AM		12/02/07 12:00:00 AM	
KC Sample ID	L44133-1		L44133-2	
AXYS ID	L10719-2	validation	L10719-3	validation
WORKGROUP	WG24297	qualifier	WG24297	qualifier
Sample Size	0.919 L		0.919 L	
UNITS	pg/L		pg/L	
CL4-PCB-55	87.9		20.8	
CL4-PCB-56	1300		256	
CL4-PCB-57	21.9		K 4.03	U
CL4-PCB-58	8.56		1.7	
CL4-PCB-59/62/75	333		75.7	
CL4-PCB-60	755		150	
CL4-PCB-61/70/74/76	4420		1140	
CL4-PCB-63	116		24.6	
CL4-PCB-64	1330		324	
CL4-PCB-66	2530		540	
CL4-PCB-67	105		21.1	
CL4-PCB-68	55.4		29.4	
CL4-PCB-72	18.8		4.38	
CL4-PCB-73	27.5		8.08	
CL4-PCB-77	345		78.9	
CL4-PCB-78	< 2.34	U	< 1.10	U
CL4-PCB-79	25.9		11.7	
CL4-PCB-80	< 2.07	U	K 1.12	U
CL4-PCB-81	17.3		3.58	
CL5-PCB-82	350		144	
CL5-PCB-83/99	1200		546	
CL5-PCB-84	658		306	
CL5-PCB-85/116/117	466		201	
CB-86/87/97/108/119/125	1690		803	
CL5-PCB-88/91	366		163	
CL5-PCB-89	43.5		14.1	
CL5-PCB-90/101/113	2260		1040	
CL5-PCB-92	419		198	
CL5-PCB-93/95/98/100/102	1940		955	
CL5-PCB-94	22.1		6.68	
CL5-PCB-96	27.5		9.87	
CL5-PCB-103	21		7.16	
CL5-PCB-104	1.6		K 0.923	U
CL5-PCB-105	1040		459	
CL5-PCB-106	5		< 2.55	U
CL5-PCB-107/124	101		46.5	
CL5-PCB-109	167		73.3	
CL5-PCB-110/115	2650		1300	
CL5-PCB-111	1.54		< 1.11	U
CL5-PCB-112	< 1.46	U	< 1.08	U
CL5-PCB-114	64		26.7	
CL5-PCB-118	2150		1020	
CL5-PCB-120	5.16		2.5	
CL5-PCB-121	< 1.52	U	5.22	
CL5-PCB-122	37.1		15.4	

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Locator	A4007		A00602	
Descrip	MICHIGAN STREET REG		DUWAMISH SIPHON FOREBAY	
Sampled	12/02/07 12:00:00 AM		12/02/07 12:00:00 AM	
KC Sample ID	L44133-1		L44133-2	
AXYS ID	L10719-2	validation	L10719-3	validation
WORKGROUP	WG24297	qualifier	WG24297	qualifier
Sample Size	0.919 L		0.919 L	
UNITS	pg/L		pg/L	
CL5-PCB-123	50.3		27.6	
CL5-PCB-126	25		9	
CL5-PCB-127	5.37		2.75	
CL6-PCB-128/166	457		256	
CL6-PCB-129/138/160/163	2940		1780	
CL6-PCB-130	183		112	
CL6-PCB-131	40.1		22.4	
CL6-PCB-132	986		604	
CL6-PCB-133	42.5		23.1	
CL6-PCB-134/143	153		94.5	
CL6-PCB-135/151/154	899		563	
CL6-PCB-136	335		191	
CL6-PCB-137	147		81.8	
CL6-PCB-139/140	47.6		27.3	
CL6-PCB-141	568		365	
CL6-PCB-142	< 3.91	U	< 3.45	U
CL6-PCB-144	131		82.4	
CL6-PCB-145	1.29		0.816	
CL6-PCB-146	383		245	
CL6-PCB-147/149	2150		1330	
CL6-PCB-148	4.5		2.01	
CL6-PCB-150	K 4.88	U	2.26	
CL6-PCB-152	2.75		1.24	
CL6-PCB-153/168	2320		1420	
CL6-PCB-155	2.54		3.44	
CL6-PCB-156/157	366		197	
CL6-PCB-158	300		171	
CL6-PCB-159	36.7		23.5	
CL6-PCB-161	3.78		K 3.15	U
CL6-PCB-162	10.4		6.54	
CL6-PCB-164	201		132	
CL6-PCB-165	< 3.09	U	< 2.72	U
CL6-PCB-167	129		73.7	
CL6-PCB-169	< 3.24	U	< 2.47	U
CL7-PCB-170	714		480	
CL7-PCB-171/173	236		152	
CL7-PCB-172	134		96.2	
CL7-PCB-174	776		540	
CL7-PCB-175	35.6		23.1	
CL7-PCB-176	103		65.9	
CL7-PCB-177	447		306	
CL7-PCB-178	170		116	
CL7-PCB-179	344		226	
CL7-PCB-180/193	1620		1150	
CL7-PCB-181	6.67		4.11	

Table D-2. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in December 2007.

Locator	A4007		A00602	
Descrip	MICHIGAN STREET REG		DUWAMISH SIPHON FOREBAY	
Sampled	12/02/07 12:00:00 AM		12/02/07 12:00:00 AM	
KC Sample ID	L44133-1		L44133-2	
AXYS ID	L10719-2	validation	L10719-3	validation
WORKGROUP	WG24297	qualifier	WG24297	qualifier
Sample Size	0.919 L		0.919 L	
UNITS	pg/L		pg/L	
CL7-PCB-182	6.58		4.9	
CL7-PCB-183/185	567		392	
CL7-PCB-184	6.54		9.47	
CL7-PCB-186	< 0.544	U	< 0.544	U
CL7-PCB-187	1030		751	
CL7-PCB-188	3.03		K 1.69	U
CL7-PCB-189	34.6		23	
CL7-PCB-190	154		103	
CL7-PCB-191	33.3		22	
CL7-PCB-192	< 0.544	U	< 0.544	U
CL8-PCB-194	452		392	
CL8-PCB-195	162		123	
CL8-PCB-196	242		205	
CL8-PCB-197/200	59.4		56.7	
CL8-PCB-198/199	673		618	
CL8-PCB-201	73.3		63.8	
CL8-PCB-202	152		146	
CL8-PCB-203	436		395	
CL8-PCB-204	3.57	U	13.3	U
CL8-PCB-205	23.5		18.1	
CL9-PCB-206	508		465	
CL9-PCB-207	47.3		65.6	
CL9-PCB-208	161		158	
CL10-PCB-209	165		138	
Total PCBs	95,300		34,800	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-2. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in December 2007.

Locator	CS030		CS030	
	HANFORD #2 CSO		HANFORD #2 CSO	
Descrip	12/02/07 12:00:00 AM		12/02/07 12:00:00 AM	
Sampled	L44133-3		L44133-4	
KC Sample ID				
AXYS ID	L10719-4	validation qualifier	L10719-5	validation qualifier
WORKGROUP	WG24297		WG24297	
Sample Size	0.926 L		0.889 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	46.9		66.3	
CL1-PCB-2	7.84	U	10.9	
CL1-PCB-3	21.2		34.2	
CL2-PCB-4	99.4		146	
CL2-PCB-5	3.61		4.38	
CL2-PCB-6	51.7		76.9	
CL2-PCB-7	6.53	U	10.3	U
CL2-PCB-8	129		190	
CL2-PCB-9	12.7		17.1	
CL2-PCB-10	3.75		5.39	
CL2-PCB-11	235		357	
CL2-PCB-12/13	19.5		27.5	
CL2-PCB-14	< 1.27	U	< 1.27	U
CL2-PCB-15	88.6		125	
CL3-PCB-16	89.6		125	
CL3-PCB-17	94.1		135	
CL3-PCB-18/30	189		272	
CL3-PCB-19	41.1		61.2	
CL3-PCB-20/28	383		500	
CL3-PCB-21/33	184		251	
CL3-PCB-22	154		191	
CL3-PCB-23	0.642		0.992	
CL3-PCB-24	3.28		4.36	
CL3-PCB-25	35.3		51.6	
CL3-PCB-26/29	67		90.6	
CL3-PCB-27	20		28.5	
CL3-PCB-31	485		650	
CL3-PCB-32	129		181	
CL3-PCB-34	1.51		2.62	
CL3-PCB-35	14		19.1	
CL3-PCB-36	1.57		2.72	
CL3-PCB-37	162		190	
CL3-PCB-38	K 0.571	U	K 0.587	U
CL3-PCB-39	2.83		4.29	
CL4-PCB-40/41/71	306		428	
CL4-PCB-42	120		160	
CL4-PCB-43	17		26.1	
CL4-PCB-44/47/65	1140		1970	
CL4-PCB-45/51	388		650	
CL4-PCB-46	36.7		51	
CL4-PCB-48	82.8		107	
CL4-PCB-49/69	531		936	
CL4-PCB-50/53	286		480	
CL4-PCB-52	1240		2300	
CL4-PCB-54	49.9		84.9	

Table D-2. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in December 2007.

Locator Descrip Sampled KC Sample ID AXYS ID WORKGROUP Sample Size UNITS	CS030 HANFORD #2 CSO 12/02/07 12:00:00 AM L44133-3		CS030 HANFORD #2 CSO 12/02/07 12:00:00 AM L44133-4	
	L10719-4 WG24297 0.926 L pg/L	validation qualifier	L10719-5 WG24297 0.889 L pg/L	validation qualifier
CL4-PCB-55	23.6		32.2	
CL4-PCB-56	242		334	
CL4-PCB-57	< 2.47	U	< 6.05	U
CL4-PCB-58	3.51		< 6.27	U
CL4-PCB-59/62/75	53.6		76.5	
CL4-PCB-60	129		166	
CL4-PCB-61/70/74/76	1410		2430	
CL4-PCB-63	23.7		36.9	
CL4-PCB-64	242		364	
CL4-PCB-66	477		730	
CL4-PCB-67	15.8		23	
CL4-PCB-68	23.3		29.8	
CL4-PCB-72	5.37		9.14	
CL4-PCB-73	29.9		53.8	
CL4-PCB-77	95.6		130	
CL4-PCB-78	< 2.51	U	< 6.15	U
CL4-PCB-79	24.9		46.2	
CL4-PCB-80	< 2.22	U	< 5.44	U
CL4-PCB-81	4.4		6.5	
CL5-PCB-82	281		521	
CL5-PCB-83/99	1110		2200	
CL5-PCB-84	566		1090	
CL5-PCB-85/116/117	386		733	
CB-86/87/97/108/119/125	1710		3310	
CL5-PCB-88/91	345		714	
CL5-PCB-89	17.4		29.7	
CL5-PCB-90/101/113	2530		4950	
CL5-PCB-92	451		904	
CL5-PCB-93/95/98/100/102	1870		3650	
CL5-PCB-94	33.3		73.5	
CL5-PCB-96	19.3		44.7	
CL5-PCB-103	31.6		69.8	
CL5-PCB-104	7.22		15.8	
CL5-PCB-105	994		1840	
CL5-PCB-106	3.66		5.47	
CL5-PCB-107/124	108		197	
CL5-PCB-109	163		300	
CL5-PCB-110/115	2800		5440	
CL5-PCB-111	1.94		4.07	
CL5-PCB-112	< 0.774	U	< 1.67	U
CL5-PCB-114	56.2		104	
CL5-PCB-118	2350		4450	
CL5-PCB-120	K 3.60	U	K 7.14	U
CL5-PCB-121	2.91		5.83	
CL5-PCB-122	29.3		55	

Table D-2. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in December 2007.

Locator Descrip Sampled KC Sample ID AXYS ID WORKGROUP Sample Size UNITS	CS030 HANFORD #2 CSO 12/02/07 12:00:00 AM L44133-3		CS030 HANFORD #2 CSO 12/02/07 12:00:00 AM L44133-4	
	L10719-4 WG24297 0.926 L pg/L	validation qualifier	L10719-5 WG24297 0.889 L pg/L	validation qualifier
CL5-PCB-123	39.1		79.4	
CL5-PCB-126	19.7		26.1	
CL5-PCB-127	5.46		8.8	
CL6-PCB-128/166	524		910	
CL6-PCB-129/138/160/163	3600		6060	
CL6-PCB-130	215		376	
CL6-PCB-131	47		89.3	
CL6-PCB-132	1200		2070	
CL6-PCB-133	54.2		102	
CL6-PCB-134/143	196		328	
CL6-PCB-135/151/154	1020		1720	
CL6-PCB-136	373		640	
CL6-PCB-137	180		311	
CL6-PCB-139/140	61.7		113	
CL6-PCB-141	687		1070	
CL6-PCB-142	< 4.65	U	< 4.71	U
CL6-PCB-144	152		246	
CL6-PCB-145	1.54		3.07	
CL6-PCB-146	478		792	
CL6-PCB-147/149	2530		4260	
CL6-PCB-148	8.71		17.8	
CL6-PCB-150	11.4		24.6	
CL6-PCB-152	6.08		13.8	
CL6-PCB-153/168	2760		4460	
CL6-PCB-155	K 2.01	U	4.41	
CL6-PCB-156/157	442		764	
CL6-PCB-158	373		631	
CL6-PCB-159	34.9		49.5	
CL6-PCB-161	4.39		6.91	
CL6-PCB-162	11.2		19.8	
CL6-PCB-164	251		419	
CL6-PCB-165	< 3.67	U	7.2	
CL6-PCB-167	153		257	
CL6-PCB-169	< 3.43	U	< 3.51	U
CL7-PCB-170	844		1200	
CL7-PCB-171/173	273		391	
CL7-PCB-172	155		212	
CL7-PCB-174	821		1120	
CL7-PCB-175	37.6		54.5	
CL7-PCB-176	104		151	
CL7-PCB-177	483		673	
CL7-PCB-178	170		242	
CL7-PCB-179	328		472	
CL7-PCB-180/193	1810		2470	
CL7-PCB-181	8.79		14.8	

Table D-2. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in December 2007.

Locator Descrip Sampled KC Sample ID AXYS ID WORKGROUP Sample Size UNITS	CS030 HANFORD #2 CSO 12/02/07 12:00:00 AM L44133-3		CS030 HANFORD #2 CSO 12/02/07 12:00:00 AM L44133-4	
	L10719-4 WG24297 0.926 L pg/L	validation qualifier	L10719-5 WG24297 0.889 L pg/L	validation qualifier
CL7-PCB-182	8.79		12.5	
CL7-PCB-183/185	598		856	
CL7-PCB-184	4		6.1	
CL7-PCB-186	< 0.540	U	< 0.562	U
CL7-PCB-187	1020		1410	
CL7-PCB-188	3.55		7	
CL7-PCB-189	41.2		56.6	
CL7-PCB-190	173		239	
CL7-PCB-191	36.7		53.1	
CL7-PCB-192	< 0.540	U	< 0.562	U
CL8-PCB-194	449		590	
CL8-PCB-195	165		234	
CL8-PCB-196	239		318	
CL8-PCB-197/200	71.7		81.7	
CL8-PCB-198/199	562		724	
CL8-PCB-201	67.9		89.7	
CL8-PCB-202	121		143	
CL8-PCB-203	346		458	
CL8-PCB-204	K 0.936	U	1.34	U
CL8-PCB-205	23		33.5	
CL9-PCB-206	273		319	
CL9-PCB-207	37.9		41	
CL9-PCB-208	83.5		98	
CL10-PCB-209	66.3		98.8	
Total PCBs	50,500		84,900	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-3. CSO and CSO like PCB Congener Composite Data Results for Sample Collected in June 2008.

Locator	Lander II	
Descrip	Lander II Regulator	
Sampled	06/03/08 9:09:00 AM	
KC Sample ID	L44912-6	
AXYS ID	L11268-1	validation
WORKGROUP	WG25565	qualifier
Sample Size	0.916 L	
UNITS	pg/L	
CL1-PCB-1	112	
CL1-PCB-2	19.7	
CL1-PCB-3	52.9	
CL2-PCB-4	150	
CL2-PCB-5	10.7	
CL2-PCB-6	95.1	
CL2-PCB-7	16.1	
CL2-PCB-8	284	
CL2-PCB-9	22.5	
CL2-PCB-10	7.09	
CL2-PCB-11	476	
CL2-PCB-12/13	42.8	
CL2-PCB-14	< 0.868	U
CL2-PCB-15	127	
CL3-PCB-16	148	
CL3-PCB-17	158	
CL3-PCB-18/30	341	
CL3-PCB-19	64.4	
CL3-PCB-20/28	562	
CL3-PCB-21/33	320	
CL3-PCB-22	216	
CL3-PCB-23	1.03	
CL3-PCB-24	4.89	
CL3-PCB-25	67	
CL3-PCB-26/29	115	
CL3-PCB-27	29.9	
CL3-PCB-31	463	
CL3-PCB-32	230	
CL3-PCB-34	K 2.06	U
CL3-PCB-35	20.6	
CL3-PCB-36	2.99	
CL3-PCB-37	131	
CL3-PCB-38	< 0.546	U
CL3-PCB-39	K 2.89	U
CL4-PCB-40/41/71	376	
CL4-PCB-42	120	
CL4-PCB-43	K 14.4	U
CL4-PCB-44/47/65	1470	
CL4-PCB-45/51	837	
CL4-PCB-46	62.9	
CL4-PCB-48	89.8	
CL4-PCB-49/69	957	
CL4-PCB-50/53	938	
CL4-PCB-52	1710	
CL4-PCB-54	136	

Table D-3. CSO and CSO like PCB Congener Composite Data Results for Sample Collected in June 2008.

Locator	Lander II	
Descrip	Lander II Regulator	
Sampled	06/03/08 9:09:00 AM	
KC Sample ID	L44912-6	
AXYS ID	L11268-1	validation
WORKGROUP	WG25565	qualifier
Sample Size	0.916 L	
UNITS	pg/L	
CL4-PCB-55	9.22	
CL4-PCB-56	204	
CL4-PCB-57	2.28	
CL4-PCB-58	< 0.749	U
CL4-PCB-59/62/75	60.4	
CL4-PCB-60	107	
CL4-PCB-61/70/74/76	1080	
CL4-PCB-63	20.5	
CL4-PCB-64	211	
CL4-PCB-66	421	
CL4-PCB-67	15.2	
CL4-PCB-68	75	
CL4-PCB-72	11.5	
CL4-PCB-73	37.9	
CL4-PCB-77	68.6	
CL4-PCB-78	0.77	
CL4-PCB-79	11.6	
CL4-PCB-80	< 0.632	U
CL4-PCB-81	K 2.32	U
CL5-PCB-82	192	
CL5-PCB-83/99	873	
CL5-PCB-84	403	
CL5-PCB-85/116/117	279	
CB-86/87/97/108/119/125	1280	
CL5-PCB-88/91	415	
CL5-PCB-89	12.6	
CL5-PCB-90/101/113	2310	
CL5-PCB-92	415	
CL5-PCB-93/95/98/100/102	1820	
CL5-PCB-94	61.9	
CL5-PCB-96	42.1	
CL5-PCB-103	51.4	
CL5-PCB-104	16	
CL5-PCB-105	584	
CL5-PCB-106	< 1.57	U
CL5-PCB-107/124	63.1	
CL5-PCB-109	112	
CL5-PCB-110/115	2130	
CL5-PCB-111	< 1.50	U
CL5-PCB-112	< 1.53	U
CL5-PCB-114	29.7	
CL5-PCB-118	1440	
CL5-PCB-120	< 1.43	U
CL5-PCB-121	4.77	
CL5-PCB-122	K 18.6	U

Table D-3. CSO and CSO like PCB Congener Composite Data Results for Sample Collected in June 2008.

Locator	Lander II	
Descrip	Lander II Regulator	
Sampled	06/03/08 9:09:00 AM	
KC Sample ID	L44912-6	
AXYS ID	L11268-1	validation
WORKGROUP	WG25565	qualifier
Sample Size	0.916 L	
UNITS	pg/L	
CL5-PCB-123	K 19.3	U
CL5-PCB-126	10.7	
CL5-PCB-127	K 3.24	U
CL6-PCB-128/166	555	
CL6-PCB-129/138/160/163	3980	
CL6-PCB-130	194	
CL6-PCB-131	37.1	
CL6-PCB-132	1310	
CL6-PCB-133	64	
CL6-PCB-134/143	180	
CL6-PCB-135/151/154	1380	
CL6-PCB-136	507	
CL6-PCB-137	109	
CL6-PCB-139/140	46.1	
CL6-PCB-141	882	
CL6-PCB-142	< 1.45	U
CL6-PCB-144	176	
CL6-PCB-145	< 0.546	U
CL6-PCB-146	604	
CL6-PCB-147/149	3580	
CL6-PCB-148	13.1	
CL6-PCB-150	18.4	
CL6-PCB-152	9.47	
CL6-PCB-153/168	3690	
CL6-PCB-155	K 4.19	U
CL6-PCB-156/157	391	
CL6-PCB-158	362	
CL6-PCB-159	55.6	
CL6-PCB-161	< 0.986	U
CL6-PCB-162	10.4	
CL6-PCB-164	294	
CL6-PCB-165	6.54	
CL6-PCB-167	139	
CL6-PCB-169	< 5.32	U
CL7-PCB-170	1290	
CL7-PCB-171/173	410	
CL7-PCB-172	224	
CL7-PCB-174	1340	
CL7-PCB-175	56.6	
CL7-PCB-176	172	
CL7-PCB-177	759	
CL7-PCB-178	262	
CL7-PCB-179	560	
CL7-PCB-180/193	2990	
CL7-PCB-181	8.45	

Table D-3. CSO and CSO like PCB Congener Composite Data Results for Sample Collected in June 2008.

Locator	Lander II	
Descrip	Lander II Regulator	
Sampled	06/03/08 9:09:00 AM	
KC Sample ID	L44912-6	
AXYS ID	L11268-1	validation
WORKGROUP	WG25565	qualifier
Sample Size	0.916 L	
UNITS	pg/L	
CL7-PCB-182	7.84	
CL7-PCB-183/185	963	
CL7-PCB-184	4.04	
CL7-PCB-186	< 0.546	U
CL7-PCB-187	1680	
CL7-PCB-188	5.65	
CL7-PCB-189	41	
CL7-PCB-190	258	
CL7-PCB-191	52.7	
CL7-PCB-192	K 2.48	U
CL8-PCB-194	674	
CL8-PCB-195	280	
CL8-PCB-196	363	
CL8-PCB-197/200	108	
CL8-PCB-198/199	699	
CL8-PCB-201	88.8	
CL8-PCB-202	150	
CL8-PCB-203	462	
CL8-PCB-204	K 0.595	U
CL8-PCB-205	32	
CL9-PCB-206	246	
CL9-PCB-207	30.8	
CL9-PCB-208	67.8	
CL10-PCB-209	74.4	
Total PCBs	58,800	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-4. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in August 2008.

Locator	A4007		CS030		LANDER II	
Descrip	MICHIGAN STREET REG		HANFORD #2 CSO		LANDER II REG	
Sampled	08/19/08 10:14:00 PM		08/20/08 1:35:00 AM		08/20/08 1:01:00 AM	
KC Sample ID	L45811-1		L45811-3		L45811-6	
AXYS ID	L11659-2	validation	L11659-3	validation	L11659-4	validation
WORKGROUP	WG26133	qualifier	WG26133	qualifier	WG26133	qualifier
Sample Size	0.906 L		0.918 L		0.934 L	
UNITS	pg/L		pg/L		pg/L	
CL1-PCB-1	232		67.7		44.5	
CL1-PCB-2	35.3		11.7		7.92	
CL1-PCB-3	118		42.5		21.4	
CL2-PCB-4	699		107		156	
CL2-PCB-5	38.6		6.1		12.2	
CL2-PCB-6	630		57.4		101	
CL2-PCB-7	74.6		10.9		19.8	
CL2-PCB-8	1660		170		430	
CL2-PCB-9	116		36.9		31.2	
CL2-PCB-10	33.8		5.66		6.96	
CL2-PCB-11	376		236		173	
CL2-PCB-12/13	153		22.4		35.8	
CL2-PCB-14	1.07		K 0.972	U	< 0.820	U
CL2-PCB-15	749		83.9		156	
CL3-PCB-16	1100		93.5		257	
CL3-PCB-17	1160		104		242	
CL3-PCB-18/30	2150		207		491	
CL3-PCB-19	355		53.1		71	
CL3-PCB-20/28	4030		371		737	
CL3-PCB-21/33	1530		199		477	
CL3-PCB-22	1450		136		308	
CL3-PCB-23	4.46		< 1.01	U	K 1.06	U
CL3-PCB-24	36.2		3.01		7.91	
CL3-PCB-25	397		42.7		60.4	
CL3-PCB-26/29	787		67.6		134	
CL3-PCB-27	199		16.7		34.8	
CL3-PCB-31	3060		2720		687	
CL3-PCB-32	884		179		174	
CL3-PCB-34	19.3		1.64		2.33	
CL3-PCB-35	80		16.8		17.2	
CL3-PCB-36	4.21		2.48		1.43	
CL3-PCB-37	1020		125		150	
CL3-PCB-38	3.89		< 0.983	U	< 0.921	U
CL3-PCB-39	22.2		2.27		3.7	
CL4-PCB-40/41/71	1730		258		345	
CL4-PCB-42	838		90.6		146	
CL4-PCB-43	110		9.49		23	
CL4-PCB-44/47/65	3070		2070		864	
CL4-PCB-45/51	631		816		282	
CL4-PCB-46	202		35.9		42.8	
CL4-PCB-48	553		52.4		133	
CL4-PCB-49/69	1870		671		430	
CL4-PCB-50/53	481		518		210	
CL4-PCB-52	3460		1070		751	
CL4-PCB-54	14.6		112		24.1	

Table D-4. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in August 2008.

Locator	A4007		CS030		LANDER II	
Descrip	MICHIGAN STREET REG		HANFORD #2 CSO		LANDER II REG	
Sampled	08/19/08 10:14:00 PM		08/20/08 1:35:00 AM		08/20/08 1:01:00 AM	
KC Sample ID	L45811-1		L45811-3		L45811-6	
AXYS ID	L11659-2	validation	L11659-3	validation	L11659-4	validation
WORKGROUP	WG26133	qualifier	WG26133	qualifier	WG26133	qualifier
Sample Size	0.906 L		0.918 L		0.934 L	
UNITS	pg/L		pg/L		pg/L	
CL4-PCB-55	50.3		5.95		5.59	
CL4-PCB-56	1400		196		140	
CL4-PCB-57	21.1		1.76		2.31	
CL4-PCB-58	12.6		2.28		K 1.01	U
CL4-PCB-59/62/75	284		49.2		55	
CL4-PCB-60	711		102		74	
CL4-PCB-61/70/74/76	5020		810		772	
CL4-PCB-63	120		23.1		17.1	
CL4-PCB-64	1290		152		234	
CL4-PCB-66	2540		354		277	
CL4-PCB-67	105		12.8		14.8	
CL4-PCB-68	33.4		175		58.3	
CL4-PCB-72	23		8.17		3.87	
CL4-PCB-73	< 0.552	U	< 0.545	U	< 0.535	U
CL4-PCB-77	420		72.1		50	
CL4-PCB-78	< 0.758	U	< 1.29	U	< 0.717	U
CL4-PCB-79	52.4		10.9		11.8	
CL4-PCB-80	< 0.680	U	< 1.16	U	< 0.643	U
CL4-PCB-81	19.3		K 2.78	U	K 2.06	U
CL5-PCB-82	565		119		127	
CL5-PCB-83/99	2180		642		498	
CL5-PCB-84	1170		241		227	
CL5-PCB-85/116/117	774		183		172	
CB-86/87/97/108/119/125	3070		752		714	
CL5-PCB-88/91	590		300		160	
CL5-PCB-89	53.1		8.94		7.49	
CL5-PCB-90/101/113	5260		1540		1070	
CL5-PCB-92	890		320		202	
CL5-PCB-93/95/98/100/102	4550		1270		779	
CL5-PCB-94	31.5		55.7		19.5	
CL5-PCB-96	33.4		28.9		13.5	
CL5-PCB-103	33.3		58.1		16.7	
CL5-PCB-104	1.46		16.8		2.72	
CL5-PCB-105	1730		402		451	
CL5-PCB-106	< 2.48	U	< 5.76	U	< 3.48	U
CL5-PCB-107/124	195		44.8		51.1	
CL5-PCB-109	306		89.5		78.7	
CL5-PCB-110/115	5650		1400		1260	
CL5-PCB-111	1.73		3.8		< 2.93	U
CL5-PCB-112	< 1.28	U	< 1.64	U	< 2.78	U
CL5-PCB-114	93		20		23.6	
CL5-PCB-118	3920		984		1040	
CL5-PCB-120	8.79		6.78		3.11	
CL5-PCB-121	< 1.37	U	5.14		< 2.97	U
CL5-PCB-122	61.4		10.3		11.8	

Table D-4. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in August 2008.

Locator	A4007		CS030		LANDER II	
Descrip	MICHIGAN STREET REG		HANFORD #2 CSO		LANDER II REG	
Sampled	08/19/08 10:14:00 PM		08/20/08 1:35:00 AM		08/20/08 1:01:00 AM	
KC Sample ID	L45811-1		L45811-3		L45811-6	
AXYS ID	L11659-2	validation	L11659-3	validation	L11659-4	validation
WORKGROUP	WG26133	qualifier	WG26133	qualifier	WG26133	qualifier
Sample Size	0.906 L		0.918 L		0.934 L	
UNITS	pg/L		pg/L		pg/L	
CL5-PCB-123	74.5		13.2		18.7	
CL5-PCB-126	42.3		9.96		7.46	
CL5-PCB-127	< 2.33	U	< 5.41	U	< 3.27	U
CL6-PCB-128/166	1030		293		234	
CL6-PCB-129/138/160/163	7920		2870		1630	
CL6-PCB-130	425		137		102	
CL6-PCB-131	96.8		26.2		23.5	
CL6-PCB-132	2930		926		555	
CL6-PCB-133	100		66.6		28.3	
CL6-PCB-134/143	402		132		84	
CL6-PCB-135/151/154	3470		1270		514	
CL6-PCB-136	1270		378		162	
CL6-PCB-137	311		71.9		80	
CL6-PCB-139/140	96.2		37.2		30.6	
CL6-PCB-141	1860		622		299	
CL6-PCB-142	< 3.35	U	< 1.79	U	< 1.29	U
CL6-PCB-144	495		146		66.9	
CL6-PCB-145	2.29		K 0.686	U	< 0.535	U
CL6-PCB-146	1070		519		248	
CL6-PCB-147/149	7530		2720		1210	
CL6-PCB-148	8.06		17		5.79	
CL6-PCB-150	9.7		19		7.13	
CL6-PCB-152	6.47		7.93		2.93	
CL6-PCB-153/168	7020		2790		1330	
CL6-PCB-155	3.21		2.99		K 1.75	U
CL6-PCB-156/157	770		236		185	
CL6-PCB-158	782		253		164	
CL6-PCB-159	82.6		45		15.9	
CL6-PCB-161	< 2.18	U	< 1.16	U	< 0.838	U
CL6-PCB-162	19.7		5.27		5.36	
CL6-PCB-164	574		205		115	
CL6-PCB-165	< 2.44	U	5.63		1.63	
CL6-PCB-167	276		92.4		63.9	
CL6-PCB-169	< 3.44	U	< 1.73	U	< 1.00	U
CL7-PCB-170	1740		1000		366	
CL7-PCB-171/173	607		318		116	
CL7-PCB-172	333		188		71.3	
CL7-PCB-174	2310		1090		379	
CL7-PCB-175	86.7		42.8		18	
CL7-PCB-176	327		141		53.5	
CL7-PCB-177	1140		612		209	
CL7-PCB-178	462		226		86.8	
CL7-PCB-179	1080		495		171	
CL7-PCB-180/193	4060		2390		833	
CL7-PCB-181	15.4		< 5.54	U	K 5.39	U

Table D-4. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in August 2008.

Locator	A4007		CS030		LANDER II	
Descrip	MICHIGAN STREET REG		HANFORD #2 CSO		LANDER II REG	
Sampled	08/19/08 10:14:00 PM		08/20/08 1:35:00 AM		08/20/08 1:01:00 AM	
KC Sample ID	L45811-1		L45811-3		L45811-6	
AXYS ID	L11659-2	validation	L11659-3	validation	L11659-4	validation
WORKGROUP	WG26133	qualifier	WG26133	qualifier	WG26133	qualifier
Sample Size	0.906 L		0.918 L		0.934 L	
UNITS	pg/L		pg/L		pg/L	
CL7-PCB-182	13.7		K 11.7	U	< 4.94	U
CL7-PCB-183/185	1590		784		288	
CL7-PCB-184	9.08		< 3.95	U	< 3.75	U
CL7-PCB-186	< 3.77	U	< 4.12	U	< 3.90	U
CL7-PCB-187	2920		1540		544	
CL7-PCB-188	5.43		5.58		2.08	
CL7-PCB-189	51.7		25.2		K 13.9	U
CL7-PCB-190	371		223		79.2	
CL7-PCB-191	83.3		48.5		K 15.4	U
CL7-PCB-192	< 4.08	U	< 4.46	U	< 4.22	U
CL8-PCB-194	722		484		187	
CL8-PCB-195	297		163		66.8	
CL8-PCB-196	468		319		125	
CL8-PCB-197/200	149		111		39.5	
CL8-PCB-198/199	1020		771		380	
CL8-PCB-201	132		95.5		42	
CL8-PCB-202	213		158		92.1	
CL8-PCB-203	591		491		247	
CL8-PCB-204	< 3.29	U	0.936		< 0.535	U
CL8-PCB-205	39.8		21.8		8.21	
CL9-PCB-206	307		328		251	
CL9-PCB-207	50.6		50.1		30.7	
CL9-PCB-208	80.2		107		91	
CL10-PCB-209	120		180		52.3	
Total PCBs	140,000		47,700		29,000	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-5. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in November 2008.

Locator	CS030		LANDER II	
Descrip	HANFORD #2 CSO		LANDER II REG	
Sampled	11/04/08 5:34:00 AM		11/04/08 4:14:00 AM	
KC Sample ID	L46418-3		L46418-6	
AXYS ID	L12064-1	validation	L12064-2	validation
WORKGROUP	WG27304	qualifier	WG27304	qualifier
Sample Size	0.913 L		0.897 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	6.02		3.6	
CL1-PCB-2	2.68		1.67	U
CL1-PCB-3	4.62		3.98	
CL2-PCB-4	109		92.8	
CL2-PCB-5	< 1.65	U	4.27	
CL2-PCB-6	28.7		39.1	
CL2-PCB-7	5.44		9.7	
CL2-PCB-8	97		176	
CL2-PCB-9	7.97		14.4	
CL2-PCB-10	4.94		5.69	
CL2-PCB-11	306		193	
CL2-PCB-12/13	22.2		24.3	
CL2-PCB-14	< 1.43	U	< 1.89	U
CL2-PCB-15	87.7		159	
CL3-PCB-16	131		208	
CL3-PCB-17	136		185	
CL3-PCB-18/30	279		364	
CL3-PCB-19	40.5		40.9	
CL3-PCB-20/28	417		773	
CL3-PCB-21/33	213		460	
CL3-PCB-22	155		339	
CL3-PCB-23	< 0.826	U	K 1.15	U
CL3-PCB-24	4.01		7.13	
CL3-PCB-25	48.9		56.5	
CL3-PCB-26/29	82.7		146	
CL3-PCB-27	26.2		28.7	
CL3-PCB-31	630		693	
CL3-PCB-32	167		155	
CL3-PCB-34	1.94		2.62	
CL3-PCB-35	15.6		24.7	
CL3-PCB-36	K 1.29	U	K 2.52	U
CL3-PCB-37	129		206	
CL3-PCB-38	< 0.751	U	< 0.750	U
CL3-PCB-39	2.41		K 4.65	U
CL4-PCB-40/41/71	366		377	
CL4-PCB-42	129		164	
CL4-PCB-43	20		29.7	
CL4-PCB-44/47/65	1600		710	
CL4-PCB-45/51	675		144	
CL4-PCB-46	56.7		41.1	
CL4-PCB-48	95		152	
CL4-PCB-49/69	838		366	
CL4-PCB-50/53	659		95.4	
CL4-PCB-52	1590		833	
CL4-PCB-54	79.7		3.21	

Table D-5. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in November 2008.

Locator	CS030		LANDER II	
Descrip	HANFORD #2 CSO		LANDER II REG	
Sampled	11/04/08 5:34:00 AM		11/04/08 4:14:00 AM	
KC Sample ID	L46418-3		L46418-6	
AXYS ID	L12064-1	validation	L12064-2	validation
WORKGROUP	WG27304	qualifier	WG27304	qualifier
Sample Size	0.913 L		0.897 L	
UNITS	pg/L		pg/L	
CL4-PCB-55	17.7		12	
CL4-PCB-56	207		198	
CL4-PCB-57	2.82		2.81	
CL4-PCB-58	2.83		2.67	
CL4-PCB-59/62/75	62		60.4	
CL4-PCB-60	108		109	
CL4-PCB-61/70/74/76	1230		1050	
CL4-PCB-63	24.2		20.6	
CL4-PCB-64	241		279	
CL4-PCB-66	446		405	
CL4-PCB-67	16.6		17.7	
CL4-PCB-68	57.4		19.2	
CL4-PCB-72	9.11		4.06	
CL4-PCB-73	39.6		< 0.557	U
CL4-PCB-77	85.5		65.9	
CL4-PCB-78	< 2.32	U	< 1.79	U
CL4-PCB-79	20.4		12	
CL4-PCB-80	< 2.06	U	< 1.59	U
CL4-PCB-81	4.72		K 3.94	U
CL5-PCB-82	277		165	
CL5-PCB-83/99	1170		555	
CL5-PCB-84	530		304	
CL5-PCB-85/116/117	378		203	
CB-86/87/97/108/119/125	1610		825	
CL5-PCB-88/91	454		139	
CL5-PCB-89	K 16.8	U	K 10.8	U
CL5-PCB-90/101/113	2350		1100	
CL5-PCB-92	441		184	
CL5-PCB-93/95/98/100/102	1840		908	
CL5-PCB-94	66.5		6.33	
CL5-PCB-96	49.8		8.89	
CL5-PCB-103	55.6		6.85	
CL5-PCB-104	10.7		< 0.926	U
CL5-PCB-105	860		607	
CL5-PCB-106	< 5.10	U	< 3.45	U
CL5-PCB-107/124	85		60	
CL5-PCB-109	145		91.7	
CL5-PCB-110/115	2690		1440	
CL5-PCB-111	2.94		< 1.33	U
CL5-PCB-112	< 1.68	U	< 1.21	U
CL5-PCB-114	48.9		35.1	
CL5-PCB-118	2110		1420	
CL5-PCB-120	6.63		K 2.17	U
CL5-PCB-121	K 4.52	U	< 1.19	U
CL5-PCB-122	K 29.4	U	21	

Table D-5. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in November 2008.

Locator	CS030		LANDER II	
Descrip	HANFORD #2 CSO		LANDER II REG	
Sampled	11/04/08 5:34:00 AM		11/04/08 4:14:00 AM	
KC Sample ID	L46418-3		L46418-6	
AXYS ID	L12064-1	validation	L12064-2	validation
WORKGROUP	WG27304	qualifier	WG27304	qualifier
Sample Size	0.913 L		0.897 L	
UNITS	pg/L		pg/L	
CL5-PCB-123	34.4		22.9	
CL5-PCB-126	17		10.8	
CL5-PCB-127	< 5.32	U	< 3.60	U
CL6-PCB-128/166	535		331	
CL6-PCB-129/138/160/163	3440		1680	
CL6-PCB-130	208		119	
CL6-PCB-131	38.4		24.8	
CL6-PCB-132	1030		586	
CL6-PCB-133	60.5		22.1	
CL6-PCB-134/143	163		86.6	
CL6-PCB-135/151/154	1240		456	
CL6-PCB-136	411		160	
CL6-PCB-137	155		95.2	
CL6-PCB-139/140	54		29.4	
CL6-PCB-141	661		344	
CL6-PCB-142	< 3.77	U	< 3.00	U
CL6-PCB-144	164		K 78.1	U
CL6-PCB-145	1.22		K 1.16	U
CL6-PCB-146	403		193	
CL6-PCB-147/149	2380		1110	
CL6-PCB-148	15		K 2.40	U
CL6-PCB-150	19.9		K 2.16	U
CL6-PCB-152	10.5		K 1.14	U
CL6-PCB-153/168	2720		1300	
CL6-PCB-155	2.43	U	K 1.47	U
CL6-PCB-156/157	453		279	
CL6-PCB-158	344		188	
CL6-PCB-159	41.9		15.5	
CL6-PCB-161	< 2.76	U	< 2.19	U
CL6-PCB-162	10.7		K 6.85	U
CL6-PCB-164	248		122	
CL6-PCB-165	5.68		< 2.40	U
CL6-PCB-167	160		95.3	
CL6-PCB-169	< 3.94	U	< 2.65	U
CL7-PCB-170	1250		403	
CL7-PCB-171/173	413		132	
CL7-PCB-172	225		78.3	
CL7-PCB-174	1230		394	
CL7-PCB-175	54.2		19.2	
CL7-PCB-176	158		K 52.6	U
CL7-PCB-177	681		214	
CL7-PCB-178	276		88.9	
CL7-PCB-179	520		158	
CL7-PCB-180/193	2680		903	
CL7-PCB-181	K 11.6	U	K 2.96	U

Table D-5. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in November 2008.

Locator	CS030		LANDER II	
Descrip	HANFORD #2 CSO		LANDER II REG	
Sampled	11/04/08 5:34:00 AM		11/04/08 4:14:00 AM	
KC Sample ID	L46418-3		L46418-6	
AXYS ID	L12064-1	validation	L12064-2	validation
WORKGROUP	WG27304	qualifier	WG27304	qualifier
Sample Size	0.913 L		0.897 L	
UNITS	pg/L		pg/L	
CL7-PCB-182	11.9		4.66	
CL7-PCB-183/185	921		313	
CL7-PCB-184	K 3.71	U	K 2.25	U
CL7-PCB-186	< 0.548	U	< 0.973	U
CL7-PCB-187	1430		518	
CL7-PCB-188	5.46		1.1	U
CL7-PCB-189	46.5		20.2	
CL7-PCB-190	245		73.4	
CL7-PCB-191	53.9		16.7	
CL7-PCB-192	< 0.561	U	< 1.12	U
CL8-PCB-194	415		217	
CL8-PCB-195	161		67	
CL8-PCB-196	366		145	
CL8-PCB-197/200	96.1		39.4	
CL8-PCB-198/199	863		406	
CL8-PCB-201	109		52.8	
CL8-PCB-202	135		90.5	
CL8-PCB-203	510		253	
CL8-PCB-204	K 0.793	U	< 1.52	U
CL8-PCB-205	33.1		13.3	
CL9-PCB-206	263		246	
CL9-PCB-207	39.7		37	
CL9-PCB-208	80.5		80.3	
CL10-PCB-209	132		80.8	
Total PCBs	55,500		30,000	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-5. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in November 2008.

Locator	A4007		CS030	
Descrip	MICHIGAN STREET REG		HANFORD #2 CSO	
Sampled	11/06/08 2:58:00 PM		11/06/08 4:05:00 PM	
KC Sample ID	L46918-1		L46918-3	
AXYS ID	L12064-3	validation	L12064-4	validation
WORKGROUP	WG27304	qualifier	WG27304	qualifier
Sample Size	0.914 L		0.915 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	16.1		103	
CL1-PCB-2	6.62		19.2	
CL1-PCB-3	10.4		65.6	
CL2-PCB-4	123		232	
CL2-PCB-5	4.5		13.6	
CL2-PCB-6	64.6		157	
CL2-PCB-7	10.3		28.2	
CL2-PCB-8	226		477	
CL2-PCB-9	16.4		43.2	
CL2-PCB-10	8.21		13.7	
CL2-PCB-11	269		671	
CL2-PCB-12/13	30.8		59.5	
CL2-PCB-14	< 2.52	U	< 2.42	U
CL2-PCB-15	161		206	
CL3-PCB-16	173		308	
CL3-PCB-17	182		329	
CL3-PCB-18/30	342		651	
CL3-PCB-19	51.8		74.9	
CL3-PCB-20/28	931		1120	
CL3-PCB-21/33	349		701	
CL3-PCB-22	365		424	
CL3-PCB-23	1.51		2.3	
CL3-PCB-24	7.17		9.47	
CL3-PCB-25	77.5		132	
CL3-PCB-26/29	151		212	
CL3-PCB-27	41.7		54.6	
CL3-PCB-31	630		2170	
CL3-PCB-32	202		352	
CL3-PCB-34	4.27		5.33	
CL3-PCB-35	29.4		38.3	
CL3-PCB-36	< 1.27	U	4.36	
CL3-PCB-37	324		298	
CL3-PCB-38	< 1.27	U	< 1.56	U
CL3-PCB-39	6.33		6.28	
CL4-PCB-40/41/71	523		749	
CL4-PCB-42	238		339	
CL4-PCB-43	33.9		42.6	
CL4-PCB-44/47/65	946		13400	
CL4-PCB-45/51	179		2540	
CL4-PCB-46	54.6		109	
CL4-PCB-48	159		189	
CL4-PCB-49/69	504		1780	
CL4-PCB-50/53	118		1150	
CL4-PCB-52	998		3330	
CL4-PCB-54	3.44		149	

Table D-5. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in November 2008.

Locator	A4007		CS030	
Descrip	MICHIGAN STREET REG		HANFORD #2 CSO	
Sampled	11/06/08 2:58:00 PM		11/06/08 4:05:00 PM	
KC Sample ID	L46918-1		L46918-3	
AXYS ID	L12064-3	validation	L12064-4	validation
WORKGROUP	WG27304	qualifier	WG27304	qualifier
Sample Size	0.914 L		0.915 L	
UNITS	pg/L		pg/L	
CL4-PCB-55	34.9		28.7	
CL4-PCB-56	457		493	
CL4-PCB-57	4.49		K 5.79	U
CL4-PCB-58	< 4.53	U	K 6.98	U
CL4-PCB-59/62/75	84.8		131	
CL4-PCB-60	257		260	
CL4-PCB-61/70/74/76	1550		2930	
CL4-PCB-63	35.7		52	
CL4-PCB-64	384		534	
CL4-PCB-66	831		1100	
CL4-PCB-67	26.8		K 34.7	U
CL4-PCB-68	54		1470	
CL4-PCB-72	6.85		23.7	
CL4-PCB-73	< 0.662	U	69.3	
CL4-PCB-77	148		150	
CL4-PCB-78	< 4.30	U	< 2.79	U
CL4-PCB-79	16.4		40.6	
CL4-PCB-80	< 4.01	U	< 2.60	U
CL4-PCB-81	6.59		< 8.82	U
CL5-PCB-82	222		559	
CL5-PCB-83/99	771		2510	
CL5-PCB-84	400		1220	
CL5-PCB-85/116/117	288		796	
CB-86/87/97/108/119/125	1100		3260	
CL5-PCB-88/91	199		1040	
CL5-PCB-89	19.5		39.1	
CL5-PCB-90/101/113	1490		5540	
CL5-PCB-92	274		1050	
CL5-PCB-93/95/98/100/102	1170		4410	
CL5-PCB-94	K 6.86	U	138	
CL5-PCB-96	10.5		92.3	
CL5-PCB-103	K 9.35	U	124	
CL5-PCB-104	< 0.601	U	20.9	
CL5-PCB-105	637		1730	
CL5-PCB-106	< 4.27	U	< 4.15	U
CL5-PCB-107/124	74.4		205	
CL5-PCB-109	115		356	
CL5-PCB-110/115	1870		5530	
CL5-PCB-111	< 0.924	U	K 7.48	U
CL5-PCB-112	< 0.883	U	< 3.65	U
CL5-PCB-114	38.5		111	
CL5-PCB-118	1390		4350	
CL5-PCB-120	3.56		K 13.9	U
CL5-PCB-121	< 0.920	U	9.39	
CL5-PCB-122	26		63.8	

Table D-5. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in November 2008.

Locator	A4007		CS030	
Descrip	MICHIGAN STREET REG		HANFORD #2 CSO	
Sampled	11/06/08 2:58:00 PM		11/06/08 4:05:00 PM	
KC Sample ID	L46918-1		L46918-3	
AXYS ID	L12064-3	validation qualifier	L12064-4	validation qualifier
WORKGROUP	WG27304		WG27304	
Sample Size	0.914 L		0.915 L	
UNITS	pg/L		pg/L	
CL5-PCB-123	30.9		67	
CL5-PCB-126	16.1		24.1	
CL5-PCB-127	< 4.61	U	8.24	
CL6-PCB-128/166	365		1110	
CL6-PCB-129/138/160/163	2280		8050	
CL6-PCB-130	145		418	
CL6-PCB-131	29.2		103	
CL6-PCB-132	796		2730	
CL6-PCB-133	28.9		137	
CL6-PCB-134/143	130		393	
CL6-PCB-135/151/154	759		3050	
CL6-PCB-136	287		1130	
CL6-PCB-137	118		305	
CL6-PCB-139/140	40.1		130	
CL6-PCB-141	474		1560	
CL6-PCB-142	< 3.03	U	< 5.61	U
CL6-PCB-144	K 142	U	407	
CL6-PCB-145	< 0.854	U	K 1.92	U
CL6-PCB-146	256		874	
CL6-PCB-147/149	1760		5900	
CL6-PCB-148	K 3.12	U	37.2	
CL6-PCB-150	4.21		K 55.2	U
CL6-PCB-152	2.12		27.3	
CL6-PCB-153/168	1810		6320	
CL6-PCB-155	1.35	U	6.88	
CL6-PCB-156/157	282		878	
CL6-PCB-158	236		764	
CL6-PCB-159	23.6		65.6	
CL6-PCB-161	< 2.04	U	< 3.79	U
CL6-PCB-162	7.41		K 19.4	U
CL6-PCB-164	164		566	
CL6-PCB-165	< 2.30	U	K 10.8	U
CL6-PCB-167	102		311	
CL6-PCB-169	< 3.49	U	< 6.73	U
CL7-PCB-170	562		2220	
CL7-PCB-171/173	199		728	
CL7-PCB-172	108		389	
CL7-PCB-174	677		2210	
CL7-PCB-175	K 30.6	U	102	
CL7-PCB-176	85.3		298	
CL7-PCB-177	369		1280	
CL7-PCB-178	143		523	
CL7-PCB-179	282		1030	
CL7-PCB-180/193	1360		4900	
CL7-PCB-181	K 5.49	U	K 19.2	U

Table D-5. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in November 2008.

Locator	A4007		CS030	
Descrip	MICHIGAN STREET REG		HANFORD #2 CSO	
Sampled	11/06/08 2:58:00 PM		11/06/08 4:05:00 PM	
KC Sample ID	L46918-1		L46918-3	
AXYS ID	L12064-3	validation	L12064-4	validation
WORKGROUP	WG27304	qualifier	WG27304	qualifier
Sample Size	0.914 L		0.915 L	
UNITS	pg/L		pg/L	
CL7-PCB-182	6.32		K 18.1	U
CL7-PCB-183/185	479		1730	
CL7-PCB-184	K 2.42	U	10.1	
CL7-PCB-186	< 0.813	U	< 1.14	U
CL7-PCB-187	755		2650	
CL7-PCB-188	K 1.70	U	10	
CL7-PCB-189	K 27.7	U	93.7	
CL7-PCB-190	128		430	
CL7-PCB-191	K 26.6	U	95.7	
CL7-PCB-192	< 0.912	U	< 1.27	U
CL8-PCB-194	336		891	
CL8-PCB-195	131		410	
CL8-PCB-196	196		700	
CL8-PCB-197/200	59.3		179	
CL8-PCB-198/199	460		1550	
CL8-PCB-201	57.4		210	
CL8-PCB-202	87.3		276	
CL8-PCB-203	267		919	
CL8-PCB-204	< 1.39	U	< 1.77	U
CL8-PCB-205	K 17.9	U	54.2	
CL9-PCB-206	151		548	
CL9-PCB-207	25.2		89.3	
CL9-PCB-208	49		170	
CL10-PCB-209	152		404	
Total PCBs	39,800		134,000	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-5. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in November 2008.

Locator	63053		LANDER II		Kingdome Reg	
Descrip	BRANDON ST OUTFALL		LANDER II REG		Kingdome Reg	
Sampled	11/06/08 8:28:00 PM		11/06/08 3:42:00 PM		11/06/08 4:59:00 PM	
KC Sample ID	L46918-5		L46918-6		L46918-8	
AXYS ID	L12064-5	validation	L12064-6	validation	L12064-7	validation
WORKGROUP	WG27304	qualifier	WG27304	qualifier	WG27304	qualifier
Sample Size	0.924 L		0.914 L		0.838 L	
UNITS	pg/L		pg/L		pg/L	
CL1-PCB-1	38.4		58.2		5.39	
CL1-PCB-2	K 6.33	U	11.9		3.04	
CL1-PCB-3	19.5		41.7		7.94	
CL2-PCB-4	63.3		157		30.4	
CL2-PCB-5	< 3.27	U	K 8.58	U	< 1.70	U
CL2-PCB-6	28.5		86.6		13.9	
CL2-PCB-7	6.03		15.8		4.28	
CL2-PCB-8	94		308		58.6	
CL2-PCB-9	8.23		21.8		4.52	
CL2-PCB-10	4.55		5.65		1.41	
CL2-PCB-11	241		534		304	
CL2-PCB-12/13	22.7		28.4		K 17.6	U
CL2-PCB-14	< 2.93	U	< 3.59	U	< 1.69	U
CL2-PCB-15	106		163		66.3	
CL3-PCB-16	155		197		58.4	
CL3-PCB-17	151		214		57	
CL3-PCB-18/30	324		406		126	
CL3-PCB-19	33.7		65.1		14.1	
CL3-PCB-20/28	679		686		239	
CL3-PCB-21/33	272		435		135	
CL3-PCB-22	236		289		102	
CL3-PCB-23	< 1.31	U	K 1.81	U	< 0.644	U
CL3-PCB-24	5.48		K 7.97	U	K 2.11	U
CL3-PCB-25	138		82.4		16.7	
CL3-PCB-26/29	367		125		40.1	
CL3-PCB-27	29		33.4		8.91	
CL3-PCB-31	574		590		203	
CL3-PCB-32	149		256		40.8	
CL3-PCB-34	3.29		K 1.98	U	0.915	
CL3-PCB-35	15.3		31.5		18.5	
CL3-PCB-36	< 1.14	U	K 2.14	U	K 1.56	U
CL3-PCB-37	191		270		120	
CL3-PCB-38	< 1.14	U	< 1.60	U	< 0.727	U
CL3-PCB-39	K 4.60	U	K 9.01	U	K 2.89	U
CL4-PCB-40/41/71	532		729		191	
CL4-PCB-42	281		295		85.8	
CL4-PCB-43	45		37.1		14.4	
CL4-PCB-44/47/65	1450		3170		482	
CL4-PCB-45/51	218		742		64.5	
CL4-PCB-46	60.4		81.6		17.1	
CL4-PCB-48	165		184		63.3	
CL4-PCB-49/69	971		1410		204	
CL4-PCB-50/53	198		730		33.1	
CL4-PCB-52	2410		3900		552	
CL4-PCB-54	7.39		98		0.636	U

Table D-5. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in November 2008.

Locator	63053		LANDER II		Kingdome Reg	
Descrip	BRANDON ST OUTFALL		LANDER II REG		Kingdome Reg	
Sampled	11/06/08 8:28:00 PM		11/06/08 3:42:00 PM		11/06/08 4:59:00 PM	
KC Sample ID	L46918-5		L46918-6		L46918-8	
AXYS ID	L12064-5	validation	L12064-6	validation	L12064-7	validation
WORKGROUP	WG27304	qualifier	WG27304	qualifier	WG27304	qualifier
Sample Size	0.924 L		0.914 L		0.838 L	
UNITS	pg/L		pg/L		pg/L	
CL4-PCB-55	24.3		35.7		16.5	
CL4-PCB-56	407		705		214	
CL4-PCB-57	29.2		3.74		< 2.56	U
CL4-PCB-58	7.66		11.8		< 2.58	U
CL4-PCB-59/62/75	97.1		98.9		30.4	
CL4-PCB-60	208		359		114	
CL4-PCB-61/70/74/76	2230		4720		1010	
CL4-PCB-63	45.1		57.6		16.1	
CL4-PCB-64	466		695		166	
CL4-PCB-66	899		1470		436	
CL4-PCB-67	30.4		33.9		13.5	
CL4-PCB-68	K 13.6	U	163		31.7	
CL4-PCB-72	23.3		11.7		2.82	
CL4-PCB-73	< 0.949	U	< 0.547	U	< 0.597	U
CL4-PCB-77	132		204		104	
CL4-PCB-78	< 3.39	U	< 2.89	U	< 2.37	U
CL4-PCB-79	25.9		100		16.3	
CL4-PCB-80	< 3.16	U	< 2.59	U	< 2.28	U
CL4-PCB-81	< 5.10	U	< 14.1	U	3.96	
CL5-PCB-82	382		1160		224	
CL5-PCB-83/99	1850		4410		772	
CL5-PCB-84	1020		2030		427	
CL5-PCB-85/116/117	566		1600		296	
CB-86/87/97/108/119/125	2460		6380		1240	
CL5-PCB-88/91	486		1070		180	
CL5-PCB-89	36.9		65.8		13.5	
CL5-PCB-90/101/113	3750		8030		1510	
CL5-PCB-92	737		1430		292	
CL5-PCB-93/95/98/100/102	3170		5720		1100	
CL5-PCB-94	20.5		67.8		5	
CL5-PCB-96	K 24.5	U	67.9		5.62	
CL5-PCB-103	24.5		63.2		K 5.87	U
CL5-PCB-104	K 1.33	U	9.7		< 0.597	U
CL5-PCB-105	1260		4050		684	
CL5-PCB-106	< 4.85	U	< 4.72	U	< 4.28	U
CL5-PCB-107/124	161		393		72.3	
CL5-PCB-109	251		538		114	
CL5-PCB-110/115	4050		10800		2090	
CL5-PCB-111	< 3.43	U	< 3.03	U	< 1.02	U
CL5-PCB-112	< 3.28	U	< 2.95	U	< 1.08	U
CL5-PCB-114	69.1		218		36.7	
CL5-PCB-118	3250		8790		1550	
CL5-PCB-120	6.49		6.95		2.82	
CL5-PCB-121	< 3.42	U	K 3.26	U	< 1.19	U
CL5-PCB-122	40.8		120		21.6	

Table D-5. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in November 2008.

Locator	63053		LANDER II		Kingdome Reg	
Descrip	BRANDON ST OUTFALL		LANDER II REG		Kingdome Reg	
Sampled	11/06/08 8:28:00 PM		11/06/08 3:42:00 PM		11/06/08 4:59:00 PM	
KC Sample ID	L46918-5		L46918-6		L46918-8	
AXYS ID	L12064-5	validation	L12064-6	validation	L12064-7	validation
WORKGROUP	WG27304	qualifier	WG27304	qualifier	WG27304	qualifier
Sample Size	0.924 L		0.914 L		0.838 L	
UNITS	pg/L		pg/L		pg/L	
CL5-PCB-123	53.6		132		24.3	
CL5-PCB-126	K 22.2	U	32.2		17.7	
CL5-PCB-127	K 5.61	U	23.4		< 4.05	U
CL6-PCB-128/166	828		1910		463	
CL6-PCB-129/138/160/163	4760		9940		2580	
CL6-PCB-130	330		667		190	
CL6-PCB-131	76.4		135		41.5	
CL6-PCB-132	1940		3320		975	
CL6-PCB-133	67		112		31.9	
CL6-PCB-134/143	291		512		155	
CL6-PCB-135/151/154	1700		2240		699	
CL6-PCB-136	700		904		275	
CL6-PCB-137	259		634		151	
CL6-PCB-139/140	95.7		190		53.8	
CL6-PCB-141	887		1480		468	
CL6-PCB-142	< 5.05	U	< 6.46	U	< 4.60	U
CL6-PCB-144	268		346		113	
CL6-PCB-145	K 3.09	U	K 4.78	U	1.34	
CL6-PCB-146	545		1210		321	
CL6-PCB-147/149	3590		5800		1770	
CL6-PCB-148	K 6.08	U	14.4		K 2.00	U
CL6-PCB-150	K 7.92	U	23.2		4.41	
CL6-PCB-152	K 6.36	U	14.5		K 2.18	U
CL6-PCB-153/168	3700		5990		1750	
CL6-PCB-155	< 0.775	U	3.56	U	K 0.877	U
CL6-PCB-156/157	638		1450		289	
CL6-PCB-158	515		1150		276	
CL6-PCB-159	32.9		54.6		14.3	
CL6-PCB-161	< 3.40	U	< 4.55	U	< 3.05	U
CL6-PCB-162	13.9		33.5		9.42	
CL6-PCB-164	364		654		194	
CL6-PCB-165	< 3.83	U	5.57		< 3.51	U
CL6-PCB-167	222		441		99.1	
CL6-PCB-169	< 4.63	U	< 4.41	U	< 2.31	U
CL7-PCB-170	996		1550		302	
CL7-PCB-171/173	345		495		127	
CL7-PCB-172	194		276		66.7	
CL7-PCB-174	999		1410		420	
CL7-PCB-175	50		70.2		K 22.1	U
CL7-PCB-176	143		172		59.9	
CL7-PCB-177	558		820		224	
CL7-PCB-178	208		309		89.1	
CL7-PCB-179	449		525		196	
CL7-PCB-180/193	2100		2990		662	
CL7-PCB-181	10.1		26		K 4.06	U

Table D-5. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in November 2008.

Locator	63053		LANDER II		Kingdome Reg	
Descrip	BRANDON ST OUTFALL		LANDER II REG		Kingdome Reg	
Sampled	11/06/08 8:28:00 PM		11/06/08 3:42:00 PM		11/06/08 4:59:00 PM	
KC Sample ID	L46918-5		L46918-6		L46918-8	
AXYS ID	L12064-5	validation	L12064-6	validation	L12064-7	validation
WORKGROUP	WG27304	qualifier	WG27304	qualifier	WG27304	qualifier
Sample Size	0.924 L		0.914 L		0.838 L	
UNITS	pg/L		pg/L		pg/L	
CL7-PCB-182	K 10.1	U	K 16.7	U	6.38	
CL7-PCB-183/185	811		1040		299	
CL7-PCB-184	K 1.54	U	K 7.90	U	K 4.47	U
CL7-PCB-186	< 1.61	U	K 1.12	U	< 0.597	U
CL7-PCB-187	1170		1850		540	
CL7-PCB-188	3.91		5.36		K 1.49	U
CL7-PCB-189	48.7		63.7		14.7	
CL7-PCB-190	203		291		58	
CL7-PCB-191	45.3		71.8		15.6	
CL7-PCB-192	< 1.80	U	< 0.547	U	< 0.597	U
CL8-PCB-194	467		524		122	
CL8-PCB-195	178		203		47.8	
CL8-PCB-196	322		325		86.1	
CL8-PCB-197/200	110		114		35.3	
CL8-PCB-198/199	719		760		226	
CL8-PCB-201	100		102		37.2	
CL8-PCB-202	131		139		49.8	
CL8-PCB-203	419		474		126	
CL8-PCB-204	< 2.04	U	K 1.38	U	< 0.597	U
CL8-PCB-205	27.5		30.4		K 7.20	U
CL9-PCB-206	277		340		104	
CL9-PCB-207	45.7		49.3		14.8	
CL9-PCB-208	75.4		103		32	
CL10-PCB-209	77.7		118		39.1	
Total PCBs	71,700		137,000		31,200	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-6. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in January 2009.

Locator	63053		Kingdome Reg	
Descrip	BRANDON ST OUTFALL		Kingdome Reg	
Sampled	01/07/09 6:15:00 PM		01/07/09 7:19:00 PM	
KC Sample ID	L47190-2		L47190-4	
AXYS ID	L12162-1	validation	L12162-2	validation
WORKGROUP	WG27635	qualifier	WG27635	qualifier
Sample Size	0.916 L		0.837 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	75.6		13.9	
CL1-PCB-2	24.2		7.88	
CL1-PCB-3	74.5		14.3	
CL2-PCB-4	265		31.7	
CL2-PCB-5	15.2		2.73	
CL2-PCB-6	177		18.2	
CL2-PCB-7	28.8		7.14	U
CL2-PCB-8	703		77.7	
CL2-PCB-9	42.1		4.76	
CL2-PCB-10	12.6		< 1.65	U
CL2-PCB-11	1060		400	
CL2-PCB-12/13	96.8		13.5	
CL2-PCB-14	< 1.49	U	< 1.81	U
CL2-PCB-15	588		60.3	
CL3-PCB-16	871		82.8	
CL3-PCB-17	773		65	
CL3-PCB-18/30	1790		134	
CL3-PCB-19	194		K 13.0	U
CL3-PCB-20/28	3310		287	
CL3-PCB-21/33	1450		164	
CL3-PCB-22	1230		130	
CL3-PCB-23	K 3.25	U	< 1.44	U
CL3-PCB-24	24.7		2.25	
CL3-PCB-25	620		20.7	
CL3-PCB-26/29	1580		50.1	
CL3-PCB-27	169		12.2	
CL3-PCB-31	2830		247	
CL3-PCB-32	623		37.6	
CL3-PCB-34	16.2		2.43	
CL3-PCB-35	77.7		19.4	
CL3-PCB-36	8.11		K 3.44	U
CL3-PCB-37	886		111	
CL3-PCB-38	K 2.45	U	< 1.40	U
CL3-PCB-39	18.6		1.9	
CL4-PCB-40/41/71	2670		196	
CL4-PCB-42	1420		80.7	
CL4-PCB-43	182		12.1	
CL4-PCB-44/47/65	7840		524	
CL4-PCB-45/51	1320		94.2	
CL4-PCB-46	331		19.1	
CL4-PCB-48	756		61.6	
CL4-PCB-49/69	5280		206	
CL4-PCB-50/53	1410		40.5	
CL4-PCB-52	13500		589	
CL4-PCB-54	74.7		1.41	U

Table D-6. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in January 2009.

Locator	63053		Kingdome Reg	
Descrip	BRANDON ST OUTFALL		Kingdome Reg	
Sampled	01/07/09 6:15:00 PM		01/07/09 7:19:00 PM	
KC Sample ID	L47190-2		L47190-4	
AXYS ID	L12162-1	validation	L12162-2	validation
WORKGROUP	WG27635	qualifier	WG27635	qualifier
Sample Size	0.916 L		0.837 L	
UNITS	pg/L		pg/L	
CL4-PCB-55	92		9.72	
CL4-PCB-56	1890		201	
CL4-PCB-57	114		< 1.80	U
CL4-PCB-58	38.2		< 2.05	U
CL4-PCB-59/62/75	498		29.9	
CL4-PCB-60	907		110	
CL4-PCB-61/70/74/76	10700		943	
CL4-PCB-63	216		15	
CL4-PCB-64	2290		164	
CL4-PCB-66	4200		374	
CL4-PCB-67	163		13	
CL4-PCB-68	82.2		32.5	
CL4-PCB-72	126		2.25	
CL4-PCB-73	< 0.546	U	< 0.774	U
CL4-PCB-77	633		98.5	
CL4-PCB-78	< 10.9	U	< 1.82	U
CL4-PCB-79	174		14.4	
CL4-PCB-80	< 10.1	U	< 1.69	U
CL4-PCB-81	25.6		4.47	U
CL5-PCB-82	2290		209	
CL5-PCB-83/99	10600		732	
CL5-PCB-84	6760		405	
CL5-PCB-85/116/117	3140		272	
CB-86/87/97/108/119/125	14500		1220	
CL5-PCB-88/91	3300		176	
CL5-PCB-89	198		12.3	
CL5-PCB-90/101/113	24400		1560	
CL5-PCB-92	4780		258	
CL5-PCB-93/95/98/100/102	21700		1110	
CL5-PCB-94	159		< 5.76	U
CL5-PCB-96	170		6.28	
CL5-PCB-103	197		5.18	
CL5-PCB-104	11.3		1	U
CL5-PCB-105	6920		726	
CL5-PCB-106	< 40.2	U	< 5.01	U
CL5-PCB-107/124	796		72.9	
CL5-PCB-109	1220		111	
CL5-PCB-110/115	26100		2030	
CL5-PCB-111	< 5.92	U	< 3.96	U
CL5-PCB-112	< 5.95	U	< 3.97	U
CL5-PCB-114	380		43.3	
CL5-PCB-118	19100		1790	
CL5-PCB-120	34.6		< 3.78	U
CL5-PCB-121	6.08		< 4.01	U
CL5-PCB-122	223		24.8	

Table D-6. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in January 2009.

Locator	63053		Kingdome Reg	
Descrip	BRANDON ST OUTFALL		Kingdome Reg	
Sampled	01/07/09 6:15:00 PM		01/07/09 7:19:00 PM	
KC Sample ID	L47190-2		L47190-4	
AXYS ID	L12162-1	validation	L12162-2	validation
WORKGROUP	WG27635	qualifier	WG27635	qualifier
Sample Size	0.916 L		0.837 L	
UNITS	pg/L		pg/L	
CL5-PCB-123	287		32.1	
CL5-PCB-126	82.6		17.3	
CL5-PCB-127	< 39.9	U	< 4.98	U
CL6-PCB-128/166	5400		428	
CL6-PCB-129/138/160/163	34800		2570	
CL6-PCB-130	2140		173	
CL6-PCB-131	501		39.4	
CL6-PCB-132	13800		966	
CL6-PCB-133	466		32.3	
CL6-PCB-134/143	2110		139	
CL6-PCB-135/151/154	11500		642	
CL6-PCB-136	5260		270	
CL6-PCB-137	1570		154	
CL6-PCB-139/140	619		47.9	
CL6-PCB-141	6870		467	
CL6-PCB-142	< 21.1	U	< 4.84	U
CL6-PCB-144	1760		102	
CL6-PCB-145	K 17.4	U	< 1.47	U
CL6-PCB-146	4030		257	
CL6-PCB-147/149	28100		1650	
CL6-PCB-148	43.4		K 2.84	U
CL6-PCB-150	76.7		2.65	
CL6-PCB-152	43.9		1.72	
CL6-PCB-153/168	27100		1830	
CL6-PCB-155	4.48		1.49	U
CL6-PCB-156/157	3780		322	
CL6-PCB-158	3580		280	
CL6-PCB-159	265		15.3	
CL6-PCB-161	< 14.4	U	< 3.30	U
CL6-PCB-162	< 14.4	U	K 8.76	U
CL6-PCB-164	< 14.3	U	179	
CL6-PCB-165	< 16.6	U	< 3.81	U
CL6-PCB-167	1330		113	
CL6-PCB-169	K 29.0	U	< 4.06	U
CL7-PCB-170	6280		375	
CL7-PCB-171/173	2350		137	
CL7-PCB-172	< 1.01	U	71.8	
CL7-PCB-174	8170		477	
CL7-PCB-175	379		21.9	
CL7-PCB-176	1140		66	
CL7-PCB-177	4150		252	
CL7-PCB-178	1640		104	
CL7-PCB-179	3650		209	
CL7-PCB-180/193	14600		824	
CL7-PCB-181	72.2		5.19	

Table D-6. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in January 2009.

Locator	63053		Kingdome Reg	
Descrip	BRANDON ST OUTFALL		Kingdome Reg	
Sampled	01/07/09 6:15:00 PM		01/07/09 7:19:00 PM	
KC Sample ID	L47190-2		L47190-4	
AXYS ID	L12162-1	validation	L12162-2	validation
WORKGROUP	WG27635	qualifier	WG27635	qualifier
Sample Size	0.916 L		0.837 L	
UNITS	pg/L		pg/L	
CL7-PCB-182	63.2		6.06	
CL7-PCB-183/185	5650		324	
CL7-PCB-184	15.7		K 3.37	U
CL7-PCB-186	K 0.781	U	< 1.90	U
CL7-PCB-187	9270		526	
CL7-PCB-188	23.1		K 1.96	U
CL7-PCB-189	331		18.2	
CL7-PCB-190	1170		68.8	
CL7-PCB-191	278		K 15.3	U
CL7-PCB-192	< 0.800	U	< 1.97	U
CL8-PCB-194	3610		182	
CL8-PCB-195	1530		66.5	
CL8-PCB-196	< 1.08	U	96.9	
CL8-PCB-197/200	567		35.6	
CL8-PCB-198/199	4790		284	
CL8-PCB-201	716		43.2	
CL8-PCB-202	1020		63.1	
CL8-PCB-203	< 1.01	U	149	
CL8-PCB-204	K 4.49	U	< 2.58	U
CL8-PCB-205	217		9.42	
CL9-PCB-206	2630		135	
CL9-PCB-207	367		K 20.0	U
CL9-PCB-208	848		K 40.9	U
CL10-PCB-209	668		54.2	
Total PCBs	455,000		31,900	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	A00602		CS030	
Descrip	DUWAMISH SIPHON FOREBAY		HANFORD #2 CSO	
Sampled	04/02/09 6:58:00 PM		04/02/09 7:28:00 PM	
KC Sample ID	L47597-2		L47597-3	
AXYS ID	L12556-1	validation	L12556-2	validation
WORKGROUP	WG28538	qualifier	WG28538	qualifier
Sample Size	0.913 L		0.921 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	66.7		271	
CL1-PCB-2	18.6		24.5	
CL1-PCB-3	57.5		99.8	
CL2-PCB-4	286		411	
CL2-PCB-5	13		11.9	
CL2-PCB-6	164		174	
CL2-PCB-7	20.7	U	18.3	U
CL2-PCB-8	532		371	
CL2-PCB-9	68.7		34.7	
CL2-PCB-10	10.3		10.3	
CL2-PCB-11	1600		1000	
CL2-PCB-12/13	84.6		K 55.6	U
CL2-PCB-14	< 4.97	U	< 5.48	U
CL2-PCB-15	453		192	
CL3-PCB-16	424		184	
CL3-PCB-17	381		190	
CL3-PCB-18/30	785		396	
CL3-PCB-19	163		119	
CL3-PCB-20/28	1770		689	
CL3-PCB-21/33	933		336	
CL3-PCB-22	747		281	
CL3-PCB-23	< 2.37	U	< 1.77	U
CL3-PCB-24	K 12.5	U	5.44	
CL3-PCB-25	134		75.8	
CL3-PCB-26/29	297		136	
CL3-PCB-27	79.8		K 40.7	U
CL3-PCB-31	1480		1350	
CL3-PCB-32	318		266	
CL3-PCB-34	6.02	U	3.05	U
CL3-PCB-35	69.9		K 33.5	U
CL3-PCB-36	11.7		K 5.59	U
CL3-PCB-37	593		241	
CL3-PCB-38	< 2.39	U	< 1.78	U
CL3-PCB-39	10.2		< 1.79	U
CL4-PCB-40/41/71	1110		488	
CL4-PCB-42	485		174	
CL4-PCB-43	68.7		24	
CL4-PCB-44/47/65	2700		1980	
CL4-PCB-45/51	405		791	
CL4-PCB-46	113		64.9	
CL4-PCB-48	363		109	
CL4-PCB-49/69	1130		980	
CL4-PCB-50/53	235		673	
CL4-PCB-52	3060		1630	
CL4-PCB-54	7.23	U	139	

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	A00602		CS030	
Descrip	DUWAMISH SIPHON FOREBAY		HANFORD #2 CSO	
Sampled	04/02/09 6:58:00 PM		04/02/09 7:28:00 PM	
KC Sample ID	L47597-2		L47597-3	
AXYS ID	L12556-1	validation	L12556-2	validation
WORKGROUP	WG28538	qualifier	WG28538	qualifier
Sample Size	0.913 L		0.921 L	
UNITS	pg/L		pg/L	
CL4-PCB-55	34.1		13.1	
CL4-PCB-56	800		347	
CL4-PCB-57	8.94		3.55	
CL4-PCB-58	5.4		3.45	
CL4-PCB-59/62/75	165		74.1	
CL4-PCB-60	428		185	
CL4-PCB-61/70/74/76	3730		1640	
CL4-PCB-63	64.4		37.1	
CL4-PCB-64	849		326	
CL4-PCB-66	1570		669	
CL4-PCB-67	55.2		26.8	
CL4-PCB-68	153		51.6	
CL4-PCB-72	13.4		11.6	
CL4-PCB-73	< 1.26	U	35.3	
CL4-PCB-77	251		138	
CL4-PCB-78	< 2.00	U	< 1.39	U
CL4-PCB-79	43.6		26.1	
CL4-PCB-80	27.7		19.8	
CL4-PCB-81	11	U	5.51	U
CL5-PCB-82	603		292	
CL5-PCB-83/99	2330		1260	
CL5-PCB-84	1290		598	
CL5-PCB-85/116/117	855		416	
CB-86/87/97/108/119/125	3580		1860	
CL5-PCB-88/91	589		498	
CL5-PCB-89	51.9		19.9	
CL5-PCB-90/101/113	4850		2830	
CL5-PCB-92	849		543	
CL5-PCB-93/95/98/100/102	3790		2130	
CL5-PCB-94	19		72.1	
CL5-PCB-96	26.9		34.5	
CL5-PCB-103	22.9		70.5	
CL5-PCB-104	K 1.81	U	18.8	U
CL5-PCB-105	1940		995	
CL5-PCB-106	< 7.49	U	2260	
CL5-PCB-107/124	199		107	
CL5-PCB-109	287		181	
CL5-PCB-110/115	5900		3220	
CL5-PCB-111	< 2.45	U	K 4.98	U
CL5-PCB-112	< 2.31	U	< 1.46	U
CL5-PCB-114	102		54.9	
CL5-PCB-118	4420		2380	
CL5-PCB-120	8.64		10.2	
CL5-PCB-121	< 2.43	U	6.37	
CL5-PCB-122	63.6		30.3	

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	A00602		CS030	
Descrip	DUWAMISH SIPHON FOREBAY		HANFORD #2 CSO	
Sampled	04/02/09 6:58:00 PM		04/02/09 7:28:00 PM	
KC Sample ID	L47597-2		L47597-3	
AXYS ID	L12556-1	validation	L12556-2	validation
WORKGROUP	WG28538	qualifier	WG28538	qualifier
Sample Size	0.913 L		0.921 L	
UNITS	pg/L		pg/L	
CL5-PCB-123	75		34.5	
CL5-PCB-126	32.6		21	
CL5-PCB-127	< 8.51	U	< 4.11	U
CL6-PCB-128/166	1330		653	
CL6-PCB-129/138/160/163	8370		4730	
CL6-PCB-130	479		248	
CL6-PCB-131	99.5		50.7	
CL6-PCB-132	2670		1500	
CL6-PCB-133	98.6		80.7	
CL6-PCB-134/143	382		225	
CL6-PCB-135/151/154	2480		1510	
CL6-PCB-136	852		503	
CL6-PCB-137	331		157	
CL6-PCB-139/140	113		66.4	
CL6-PCB-141	1720		936	
CL6-PCB-142	< 8.18	U	< 4.85	U
CL6-PCB-144	373		190	
CL6-PCB-145	1.8		< 2.11	U
CL6-PCB-146	1110		702	
CL6-PCB-147/149	6300		3740	
CL6-PCB-148	6.17		16.4	
CL6-PCB-150	5.02		10.7	
CL6-PCB-152	15.9		4.85	
CL6-PCB-153/168	6500		3840	
CL6-PCB-155	< 1.51	U	< 2.14	U
CL6-PCB-156/157	943		501	
CL6-PCB-158	816		457	
CL6-PCB-159	104		51.9	
CL6-PCB-161	< 5.80	U	< 3.44	U
CL6-PCB-162	28		K 13.6	U
CL6-PCB-164	617		344	
CL6-PCB-165	< 6.62	U	6.67	
CL6-PCB-167	346		188	
CL6-PCB-169	< 10.2	U	< 5.86	U
CL7-PCB-170	2810		1470	
CL7-PCB-171/173	867		458	
CL7-PCB-172	563		264	
CL7-PCB-174	2830		1520	
CL7-PCB-175	120		60.6	
CL7-PCB-176	353		193	
CL7-PCB-177	1670		896	
CL7-PCB-178	587		321	
CL7-PCB-179	1130		640	
CL7-PCB-180/193	6710		3380	
CL7-PCB-181	17.6		8.51	

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	A00602		CS030	
Descrip	DUWAMISH SIPHON FOREBAY		HANFORD #2 CSO	
Sampled	04/02/09 6:58:00 PM		04/02/09 7:28:00 PM	
KC Sample ID	L47597-2		L47597-3	
AXYS ID	L12556-1	validation	L12556-2	validation
WORKGROUP	WG28538	qualifier	WG28538	qualifier
Sample Size	0.913 L		0.921 L	
UNITS	pg/L		pg/L	
CL7-PCB-182	16.4		K 9.38	U
CL7-PCB-183/185	2080		1100	
CL7-PCB-184	28.5		6.52	
CL7-PCB-186	< 1.27	U	< 1.97	U
CL7-PCB-187	3980		2000	
CL7-PCB-188	K 6.55	U	K 7.24	U
CL7-PCB-189	104		K 44.9	U
CL7-PCB-190	610		307	
CL7-PCB-191	119		61	
CL7-PCB-192	< 1.46	U	< 2.27	U
CL8-PCB-194	2040		822	
CL8-PCB-195	619		289	
CL8-PCB-196	1010		430	
CL8-PCB-197/200	348		142	
CL8-PCB-198/199	3080		1010	
CL8-PCB-201	297		111	
CL8-PCB-202	811		222	
CL8-PCB-203	2150		637	
CL8-PCB-204	K 1.35	U	< 1.87	U
CL8-PCB-205	81.9		34.8	
CL9-PCB-206	2050		380	
CL9-PCB-207	236		53.8	
CL9-PCB-208	716		104	
CL10-PCB-209	648		122	
Total PCBs	136,000		75,200	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
 number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
 number following this symbol represents the detection limit

U = analyte not detected

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	CS030		63053	
Descrip	HANFORD #2 CSO		BRANDON ST OUTFALL	
Sampled	04/02/09 7:28:00 PM		04/02/09 5:53:00 PM	
KC Sample ID	L47597-4		L47597-5	
AXYS ID	L12556-3	validation qualifier	L12556-4	validation qualifier
WORKGROUP	WG28538		WG28538	
Sample Size	0.911 L		0.922 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	291		50.2	
CL1-PCB-2	18.9		15.4	
CL1-PCB-3	100		35.8	
CL2-PCB-4	381		122	
CL2-PCB-5	< 9.87	U	K 9.03	U
CL2-PCB-6	182		68.9	
CL2-PCB-7	20.3	U	13.8	U
CL2-PCB-8	360		320	
CL2-PCB-9	38		20.4	
CL2-PCB-10	12.8		4.68	
CL2-PCB-11	749		1560	
CL2-PCB-12/13	53.8		61.3	
CL2-PCB-14	< 9.43	U	< 4.38	U
CL2-PCB-15	163		276	
CL3-PCB-16	148		263	
CL3-PCB-17	169		222	
CL3-PCB-18/30	330		466	
CL3-PCB-19	105		76.8	
CL3-PCB-20/28	543		1130	
CL3-PCB-21/33	255		578	
CL3-PCB-22	218		478	
CL3-PCB-23	< 4.76	U	< 2.58	U
CL3-PCB-24	4.95		K 7.45	U
CL3-PCB-25	67.7		75.5	
CL3-PCB-26/29	118		182	
CL3-PCB-27	31.7		41.3	
CL3-PCB-31	1170		923	
CL3-PCB-32	227		189	
CL3-PCB-34	< 4.69	U	3.65	U
CL3-PCB-35	24.3		58.6	
CL3-PCB-36	< 4.39	U	7.55	
CL3-PCB-37	171		446	
CL3-PCB-38	< 4.79	U	< 2.59	U
CL3-PCB-39	< 4.84	U	7.63	
CL4-PCB-40/41/71	391		798	
CL4-PCB-42	154		359	
CL4-PCB-43	18		51.1	
CL4-PCB-44/47/65	1730		1840	
CL4-PCB-45/51	701		211	
CL4-PCB-46	54.8		72.7	
CL4-PCB-48	96.4		245	
CL4-PCB-49/69	821		1020	
CL4-PCB-50/53	595		173	
CL4-PCB-52	1350		3100	
CL4-PCB-54	K 125	U	4.62	U

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	CS030		63053	
Descrip	HANFORD #2 CSO		BRANDON ST OUTFALL	
Sampled	04/02/09 7:28:00 PM		04/02/09 5:53:00 PM	
KC Sample ID	L47597-4		L47597-5	
AXYS ID	L12556-3	validation qualifier	L12556-4	validation qualifier
WORKGROUP	WG28538		WG28538	
Sample Size	0.911 L		0.922 L	
UNITS	pg/L		pg/L	
CL4-PCB-55	16.9		31.5	
CL4-PCB-56	273		779	
CL4-PCB-57	< 3.31	U	7.04	
CL4-PCB-58	< 3.35	U	11.5	
CL4-PCB-59/62/75	69.6		120	
CL4-PCB-60	142		386	
CL4-PCB-61/70/74/76	1240		4020	
CL4-PCB-63	K 29.5	U	60.8	
CL4-PCB-64	258		726	
CL4-PCB-66	528		1610	
CL4-PCB-67	19.3		47.5	
CL4-PCB-68	46.3		12.2	
CL4-PCB-72	10.7		16.8	
CL4-PCB-73	33.9		< 0.756	U
CL4-PCB-77	90.5		311	
CL4-PCB-78	< 3.55	U	< 2.27	U
CL4-PCB-79	17		67.6	
CL4-PCB-80	14.4		43.7	
CL4-PCB-81	K 5.26	U	13.1	U
CL5-PCB-82	222		859	
CL5-PCB-83/99	1010		3520	
CL5-PCB-84	436		1790	
CL5-PCB-85/116/117	320		1150	
CB-86/87/97/108/119/125	1390		5110	
CL5-PCB-88/91	385		799	
CL5-PCB-89	14.9		55.6	
CL5-PCB-90/101/113	2200		7060	
CL5-PCB-92	441		1320	
CL5-PCB-93/95/98/100/102	1690		5200	
CL5-PCB-94	61.9		24.5	
CL5-PCB-96	36		32	
CL5-PCB-103	59		30.9	
CL5-PCB-104	14.9	U	1.35	U
CL5-PCB-105	697		2690	
CL5-PCB-106	< 6.03	U	< 9.72	U
CL5-PCB-107/124	K 80.6		306	
CL5-PCB-109	124		424	
CL5-PCB-110/115	2360		8960	
CL5-PCB-111	K 3.65	U	< 2.05	U
CL5-PCB-112	< 2.15	U	< 1.93	U
CL5-PCB-114	38.8		136	
CL5-PCB-118	1700		6440	
CL5-PCB-120	K 6.22	U	13	
CL5-PCB-121	3.95		< 2.04	U
CL5-PCB-122	22.7		88.8	

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	CS030		63053	
Descrip	HANFORD #2 CSO		BRANDON ST OUTFALL	
Sampled	04/02/09 7:28:00 PM		04/02/09 5:53:00 PM	
KC Sample ID	L47597-4		L47597-5	
AXYS ID	L12556-3	validation qualifier	L12556-4	validation qualifier
WORKGROUP	WG28538		WG28538	
Sample Size	0.911 L		0.922 L	
UNITS	pg/L		pg/L	
CL5-PCB-123	25.6		112	
CL5-PCB-126	13.3		58.1	
CL5-PCB-127	< 6.86	U	< 11.1	U
CL6-PCB-128/166	472		1730	
CL6-PCB-129/138/160/163	3310		9740	
CL6-PCB-130	183		646	
CL6-PCB-131	38		137	
CL6-PCB-132	1100		3330	
CL6-PCB-133	52.5		110	
CL6-PCB-134/143	155		497	
CL6-PCB-135/151/154	1120		2390	
CL6-PCB-136	391		920	
CL6-PCB-137	122		499	
CL6-PCB-139/140	48.9		162	
CL6-PCB-141	665		1730	
CL6-PCB-142	< 8.22	U	< 5.77	U
CL6-PCB-144	142		369	
CL6-PCB-145	< 2.54	U	3.44	
CL6-PCB-146	477		1150	
CL6-PCB-147/149	2550		6390	
CL6-PCB-148	K 14.7	U	5.79	
CL6-PCB-150	7.58		7.6	
CL6-PCB-152	K 4.38	U	< 1.42	U
CL6-PCB-153/168	2700		6720	
CL6-PCB-155	< 2.24	U	< 1.43	U
CL6-PCB-156/157	361		1320	
CL6-PCB-158	308		1040	
CL6-PCB-159	33.9		63.8	
CL6-PCB-161	< 5.83	U	< 4.10	U
CL6-PCB-162	K 8.89	U	38.5	
CL6-PCB-164	250		734	
CL6-PCB-165	< 6.65	U	< 4.68	U
CL6-PCB-167	125		458	
CL6-PCB-169	< 6.51	U	< 7.36	U
CL7-PCB-170	884		1950	
CL7-PCB-171/173	290		625	
CL7-PCB-172	177		371	
CL7-PCB-174	992		1890	
CL7-PCB-175	45.1		90.8	
CL7-PCB-176	130		241	
CL7-PCB-177	574		1080	
CL7-PCB-178	220		385	
CL7-PCB-179	431		723	
CL7-PCB-180/193	2190		4220	
CL7-PCB-181	< 3.10	U	K 24.3	U

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	CS030		63053	
Descrip	HANFORD #2 CSO		BRANDON ST OUTFALL	
Sampled	04/02/09 7:28:00 PM		04/02/09 5:53:00 PM	
KC Sample ID	L47597-4		L47597-5	
AXYS ID	L12556-3	validation qualifier	L12556-4	validation qualifier
WORKGROUP	WG28538		WG28538	
Sample Size	0.911 L		0.922 L	
UNITS	pg/L		pg/L	
CL7-PCB-182	K 7.67	U	18.9	
CL7-PCB-183/185	723		1410	
CL7-PCB-184	K 4.86	U	4.47	
CL7-PCB-186	< 2.32	U	< 1.53	U
CL7-PCB-187	1250		2300	
CL7-PCB-188	K 4.94	U	6.48	U
CL7-PCB-189	K 38.5	U	76	
CL7-PCB-190	195		407	
CL7-PCB-191	40.5		82.6	
CL7-PCB-192	< 2.68	U	< 1.77	U
CL8-PCB-194	526		988	
CL8-PCB-195	190		329	
CL8-PCB-196	306		558	
CL8-PCB-197/200	102		172	
CL8-PCB-198/199	669		1340	
CL8-PCB-201	80.6		148	
CL8-PCB-202	144		281	
CL8-PCB-203	425		797	
CL8-PCB-204	< 2.70	U	< 1.46	U
CL8-PCB-205	27.4		44.6	
CL9-PCB-206	264		626	
CL9-PCB-207	37.1		84.1	
CL9-PCB-208	72.7		199	
CL10-PCB-209	79.8		235	
Total PCBs	53,500		132,000	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
 number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
 number following this symbol represents the detection limit

U = analyte not detected

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	CS030		CS030	
Descrip	HANFORD #2 CSO		HANFORD #2 CSO	
Sampled	04/12/09 5:13:00 PM		04/12/09 5:13:00 PM	
KC Sample ID	L47834-1		L47834-2	
AXYS ID	L12556-5	validation	L12556-6	validation
WORKGROUP	WG28538	qualifier	WG28538	qualifier
Sample Size	0.928 L		0.895 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	86.8		90.6	
CL1-PCB-2	11.2		9.34	
CL1-PCB-3	35.7		34.7	U
CL2-PCB-4	173		187	
CL2-PCB-5	K 3.24	U	< 5.75	U
CL2-PCB-6	92.3		97.7	
CL2-PCB-7	6.06	U	K 6.35	U
CL2-PCB-8	147		161	
CL2-PCB-9	15.3		15.8	
CL2-PCB-10	K 5.19	U	6.05	
CL2-PCB-11	204		248	
CL2-PCB-12/13	18.3		K 21.5	U
CL2-PCB-14	< 3.05	U	< 5.49	U
CL2-PCB-15	58.2		71.3	
CL3-PCB-16	63.1		64	
CL3-PCB-17	68.2		75.7	
CL3-PCB-18/30	148		163	
CL3-PCB-19	46.5		49	
CL3-PCB-20/28	185		211	
CL3-PCB-21/33	87.9		102	
CL3-PCB-22	71.4		79	
CL3-PCB-23	1.55	U	< 1.93	U
CL3-PCB-24	1.49		2	
CL3-PCB-25	26		28.7	
CL3-PCB-26/29	41.5		46.8	
CL3-PCB-27	16.9		16.2	
CL3-PCB-31	353		471	
CL3-PCB-32	91.1		105	
CL3-PCB-34	2.34	U	K 2.48	U
CL3-PCB-35	8.64		11.5	
CL3-PCB-36	K 1.89	U	K 2.17	U
CL3-PCB-37	60.3		68.7	
CL3-PCB-38	< 0.882	U	< 1.94	U
CL3-PCB-39	< 0.892	U	< 1.96	U
CL4-PCB-40/41/71	121		134	
CL4-PCB-42	45.3		52.3	
CL4-PCB-43	K 4.87	U	K 6.30	U
CL4-PCB-44/47/65	656		707	
CL4-PCB-45/51	301		312	
CL4-PCB-46	18.1		20.4	
CL4-PCB-48	K 26.0	U	35	
CL4-PCB-49/69	265		294	
CL4-PCB-50/53	204		223	
CL4-PCB-52	427		450	
CL4-PCB-54	48.2		49.4	

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	CS030		CS030	
Descrip	HANFORD #2 CSO		HANFORD #2 CSO	
Sampled	04/12/09 5:13:00 PM		04/12/09 5:13:00 PM	
KC Sample ID	L47834-1		L47834-2	
AXYS ID	L12556-5	validation	L12556-6	validation
WORKGROUP	WG28538	qualifier	WG28538	qualifier
Sample Size	0.928 L		0.895 L	
UNITS	pg/L		pg/L	
CL4-PCB-55	4.64		K 4.29	U
CL4-PCB-56	85.9		94.5	
CL4-PCB-57	< 1.46	U	< 2.06	U
CL4-PCB-58	< 1.48	U	< 2.09	U
CL4-PCB-59/62/75	21.8		25.4	
CL4-PCB-60	43.9		48.3	
CL4-PCB-61/70/74/76	370		428	
CL4-PCB-63	8.93		10	
CL4-PCB-64	73.6		83.4	
CL4-PCB-66	159		188	
CL4-PCB-67	6.13		K 7.28	U
CL4-PCB-68	48.5		45.7	
CL4-PCB-72	3.1		K 3.59	U
CL4-PCB-73	11.7		K 11.4	U
CL4-PCB-77	27.2		31.1	
CL4-PCB-78	< 1.57	U	< 2.21	U
CL4-PCB-79	5.84		6.34	
CL4-PCB-80	4		K 4.95	U
CL4-PCB-81	< 1.71	U	K 3.46	U
CL5-PCB-82	68.6		62.9	
CL5-PCB-83/99	316		307	
CL5-PCB-84	122		124	
CL5-PCB-85/116/117	99.2		92.4	
CB-86/87/97/108/119/125	402		387	
CL5-PCB-88/91	124		123	
CL5-PCB-89	4.61		3.6	
CL5-PCB-90/101/113	656		639	
CL5-PCB-92	127		126	
CL5-PCB-93/95/98/100/102	497		517	
CL5-PCB-94	20		18.4	
CL5-PCB-96	K 11.1	U	10.4	
CL5-PCB-103	21		19.3	
CL5-PCB-104	7.49	U	5.98	U
CL5-PCB-105	199		210	
CL5-PCB-106	< 2.23	U	< 3.38	U
CL5-PCB-107/124	23.1		19.3	
CL5-PCB-109	34.9		37.8	
CL5-PCB-110/115	676		671	
CL5-PCB-111	< 0.792	U	< 1.32	U
CL5-PCB-112	< 0.746	U	< 1.24	U
CL5-PCB-114	10.4	U	K 10.2	U
CL5-PCB-118	493		504	
CL5-PCB-120	K 2.30	U	2.68	
CL5-PCB-121	1.59		K 2.94	U
CL5-PCB-122	7.12		K 5.06	U

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	CS030		CS030	
	HANFORD #2 CSO		HANFORD #2 CSO	
Descrip	04/12/09 5:13:00 PM		04/12/09 5:13:00 PM	
Sampled	L47834-1		L47834-2	
KC Sample ID				
AXYS ID	L12556-5	validation qualifier	L12556-6	validation qualifier
WORKGROUP	WG28538		WG28538	
Sample Size	0.928 L		0.895 L	
UNITS	pg/L		pg/L	
CL5-PCB-123	K 11.7	U	9.3	U
CL5-PCB-126	4.64	U	5.17	U
CL5-PCB-127	< 2.54	U	< 3.85	U
CL6-PCB-128/166	135		145	
CL6-PCB-129/138/160/163	1010		1080	
CL6-PCB-130	52		60.2	
CL6-PCB-131	11.4		11.2	
CL6-PCB-132	318		340	
CL6-PCB-133	17.6		19.1	
CL6-PCB-134/143	49.1		51.7	
CL6-PCB-135/151/154	328		387	
CL6-PCB-136	115		117	
CL6-PCB-137	K 29.9	U	31	
CL6-PCB-139/140	K 13.2	U	K 14.8	U
CL6-PCB-141	202		215	
CL6-PCB-142	< 1.93	U	< 4.34	U
CL6-PCB-144	42.3		48.4	
CL6-PCB-145	< 0.992	U	< 1.43	U
CL6-PCB-146	151		173	
CL6-PCB-147/149	814		900	
CL6-PCB-148	K 4.20	U	5.01	
CL6-PCB-150	6.1		6.45	
CL6-PCB-152	K 3.77	U	K 4.38	U
CL6-PCB-153/168	877		925	
CL6-PCB-155	K 4.44	U	4.5	U
CL6-PCB-156/157	100		105	
CL6-PCB-158	95.1		99.2	
CL6-PCB-159	K 13.0	U	12.3	
CL6-PCB-161	< 1.37	U	< 3.08	U
CL6-PCB-162	K 4.49	U	< 3.28	U
CL6-PCB-164	76		81	
CL6-PCB-165	< 1.56	U	< 3.51	U
CL6-PCB-167	39		39.3	
CL6-PCB-169	< 2.24	U	< 3.60	U
CL7-PCB-170	334		330	
CL7-PCB-171/173	107		106	
CL7-PCB-172	63.2		61.2	
CL7-PCB-174	344		325	
CL7-PCB-175	14.5		14.1	
CL7-PCB-176	43.2		42.6	
CL7-PCB-177	196		203	
CL7-PCB-178	75.5		76.1	
CL7-PCB-179	139		143	
CL7-PCB-180/193	792		746	
CL7-PCB-181	K 2.26	U	K 2.70	U

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	CS030		CS030	
Descrip	HANFORD #2 CSO		HANFORD #2 CSO	
Sampled	04/12/09 5:13:00 PM		04/12/09 5:13:00 PM	
KC Sample ID	L47834-1		L47834-2	
AXYS ID	L12556-5	validation	L12556-6	validation
WORKGROUP	WG28538	qualifier	WG28538	qualifier
Sample Size	0.928 L		0.895 L	
UNITS	pg/L		pg/L	
CL7-PCB-182	K 2.54	U	2.53	
CL7-PCB-183/185	256		258	
CL7-PCB-184	5.84		K 6.21	U
CL7-PCB-186	< 0.959	U	< 1.07	U
CL7-PCB-187	434		440	
CL7-PCB-188	2.59	U	K 2.55	U
CL7-PCB-189	12.1		K 10.7	U
CL7-PCB-190	69.6		68.3	
CL7-PCB-191	14.4		13.8	
CL7-PCB-192	< 1.11	U	< 1.24	U
CL8-PCB-194	174		173	
CL8-PCB-195	60.8		64.6	
CL8-PCB-196	97.1		98.9	
CL8-PCB-197/200	32.9		31.2	
CL8-PCB-198/199	216		218	
CL8-PCB-201	K 23.4	U	K 23.9	U
CL8-PCB-202	51.1		52.9	
CL8-PCB-203	134		136	
CL8-PCB-204	< 0.895	U	< 1.13	U
CL8-PCB-205	8.65		K 10.6	U
CL9-PCB-206	81.7		85.8	
CL9-PCB-207	12.9		11.3	
CL9-PCB-208	25.6		27.8	
CL10-PCB-209	K 46.7	U	33.7	
Total PCBs	17,200		18,100	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	LANDER II		S070167	
Descrip	LANDER II REG		WEST MICHIGAN REG	
Sampled	04/12/09 4:42:00 PM		04/12/09 3:52:00 PM	
KC Sample ID	L47834-3		L47834-4	
AXYS ID	L12556-7	validation	L12556-8	validation
WORKGROUP	WG28538	qualifier	WG28538	qualifier
Sample Size	0.879 L		0.874 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	52.9		14.1	U
CL1-PCB-2	9.32		5.13	
CL1-PCB-3	34.3	U	20	U
CL2-PCB-4	149		K 19.5	U
CL2-PCB-5	K 7.10	U	< 3.87	U
CL2-PCB-6	85		18.2	
CL2-PCB-7	K 12.4	U	K 4.68	U
CL2-PCB-8	251		57.4	
CL2-PCB-9	17.6		K 4.23	U
CL2-PCB-10	K 6.40	U	< 3.50	U
CL2-PCB-11	503		270	
CL2-PCB-12/13	32.7		12.4	
CL2-PCB-14	< 3.58	U	< 3.70	U
CL2-PCB-15	138		49	
CL3-PCB-16	149		42	
CL3-PCB-17	135		33.7	
CL3-PCB-18/30	293		69	
CL3-PCB-19	51.1		K 8.09	U
CL3-PCB-20/28	466		180	
CL3-PCB-21/33	275		100	
CL3-PCB-22	193		71.6	
CL3-PCB-23	< 2.37	U	< 1.40	U
CL3-PCB-24	4.69		1.47	
CL3-PCB-25	40		10.7	
CL3-PCB-26/29	83.7		23.9	
CL3-PCB-27	24.3		6.41	
CL3-PCB-31	392		145	
CL3-PCB-32	131		25.7	
CL3-PCB-34	< 2.34	U	< 1.38	U
CL3-PCB-35	20.2		12.4	
CL3-PCB-36	K 3.04	U	K 1.38	U
CL3-PCB-37	126		67.1	
CL3-PCB-38	< 2.39	U	< 1.41	U
CL3-PCB-39	< 2.41	U	< 1.42	U
CL4-PCB-40/41/71	272		104	
CL4-PCB-42	113		50.2	
CL4-PCB-43	17		6.18	
CL4-PCB-44/47/65	888		604	
CL4-PCB-45/51	366		155	
CL4-PCB-46	34.1		8.26	
CL4-PCB-48	88.8		36.4	
CL4-PCB-49/69	419		127	
CL4-PCB-50/53	255		18.5	
CL4-PCB-52	789		338	
CL4-PCB-54	43.8		< 1.09	U

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	LANDER II		S070167	
Descrip	LANDER II REG		WEST MICHIGAN REG	
Sampled	04/12/09 4:42:00 PM		04/12/09 3:52:00 PM	
KC Sample ID	L47834-3		L47834-4	
AXYS ID	L12556-7	validation	L12556-8	validation
WORKGROUP	WG28538	qualifier	WG28538	qualifier
Sample Size	0.879 L		0.874 L	
UNITS	pg/L		pg/L	
CL4-PCB-55	K 7.43	U	< 1.93	U
CL4-PCB-56	162		98.8	
CL4-PCB-57	< 2.69	U	< 1.80	U
CL4-PCB-58	< 2.73	U	< 1.83	U
CL4-PCB-59/62/75	44.2		16.6	
CL4-PCB-60	86.3		53.5	
CL4-PCB-61/70/74/76	780		476	
CL4-PCB-63	17.1		K 7.61	U
CL4-PCB-64	198		91.5	
CL4-PCB-66	317		193	
CL4-PCB-67	14.9		5.57	
CL4-PCB-68	31.4		98	
CL4-PCB-72	4.6		< 1.73	U
CL4-PCB-73	15.2		< 0.882	U
CL4-PCB-77	54.1		25.4	
CL4-PCB-78	< 2.89	U	< 1.94	U
CL4-PCB-79	K 11.1	U	5.28	
CL4-PCB-80	7.97		K 2.54	U
CL4-PCB-81	< 3.17	U	< 2.09	U
CL5-PCB-82	140		72.4	
CL5-PCB-83/99	638		354	
CL5-PCB-84	280		153	
CL5-PCB-85/116/117	205		106	
CB-86/87/97/108/119/125	836		447	
CL5-PCB-88/91	211		78.5	
CL5-PCB-89	10.2		4.13	
CL5-PCB-90/101/113	1280		652	
CL5-PCB-92	244		119	
CL5-PCB-93/95/98/100/102	948		466	
CL5-PCB-94	31.3		2.83	
CL5-PCB-96	17.3		K 1.90	U
CL5-PCB-103	K 26.2	U	3.89	
CL5-PCB-104	6.01	U	< 1.58	U
CL5-PCB-105	433		192	
CL5-PCB-106	< 2.98	U	< 2.22	U
CL5-PCB-107/124	42.1		20.9	
CL5-PCB-109	66		31.7	
CL5-PCB-110/115	1360		692	
CL5-PCB-111	K 1.69	U	< 1.59	U
CL5-PCB-112	< 1.48	U	< 1.50	U
CL5-PCB-114	27.7		12.7	
CL5-PCB-118	996		491	
CL5-PCB-120	3.24		< 1.49	U
CL5-PCB-121	K 3.00	U	< 1.58	U
CL5-PCB-122	K 13.7	U	K 7.41	U

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	LANDER II		S070167	
Descrip	LANDER II REG		WEST MICHIGAN REG	
Sampled	04/12/09 4:42:00 PM		04/12/09 3:52:00 PM	
KC Sample ID	L47834-3		L47834-4	
AXYS ID	L12556-7	validation	L12556-8	validation
WORKGROUP	WG28538	qualifier	WG28538	qualifier
Sample Size	0.879 L		0.874 L	
UNITS	pg/L		pg/L	
CL5-PCB-123	23.4		K 13.2	U
CL5-PCB-126	7.11		K 2.85	U
CL5-PCB-127	< 3.39	U	< 2.53	U
CL6-PCB-128/166	251		125	
CL6-PCB-129/138/160/163	1550		720	
CL6-PCB-130	99.7		48.8	
CL6-PCB-131	K 19.0	U	8.92	
CL6-PCB-132	493		238	
CL6-PCB-133	23.9		K 10.8	U
CL6-PCB-134/143	74		36.2	
CL6-PCB-135/151/154	460		200	
CL6-PCB-136	172		80.5	
CL6-PCB-137	64.9		37.1	
CL6-PCB-139/140	26.2		14.5	
CL6-PCB-141	279		121	
CL6-PCB-142	< 5.09	U	< 3.25	U
CL6-PCB-144	62.1		31.2	
CL6-PCB-145	< 1.83	U	< 1.71	U
CL6-PCB-146	206		87.4	
CL6-PCB-147/149	1130		495	
CL6-PCB-148	3.87		< 2.11	U
CL6-PCB-150	8.05		< 1.53	U
CL6-PCB-152	6.12		< 1.52	U
CL6-PCB-153/168	1170		541	
CL6-PCB-155	7.83	U	10.9	U
CL6-PCB-156/157	193		83.7	
CL6-PCB-158	151		70.1	
CL6-PCB-159	K 14.4	U	K 6.79	U
CL6-PCB-161	< 3.61	U	< 2.30	U
CL6-PCB-162	K 3.87	U	< 2.46	U
CL6-PCB-164	112		49	
CL6-PCB-165	< 4.12	U	< 2.63	U
CL6-PCB-167	67.3		30.3	
CL6-PCB-169	< 4.02	U	< 2.60	U
CL7-PCB-170	395		181	
CL7-PCB-171/173	127		59.5	
CL7-PCB-172	K 72.4	U	33.1	
CL7-PCB-174	384		194	
CL7-PCB-175	17.6		8.15	
CL7-PCB-176	46.5		22.3	
CL7-PCB-177	221		105	
CL7-PCB-178	82.3		41.8	
CL7-PCB-179	166		86.6	
CL7-PCB-180/193	932		448	
CL7-PCB-181	K 4.07	U	< 2.05	U

Table D-7. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in April 2009.

Locator	LANDER II		S070167	
Descrip	LANDER II REG		WEST MICHIGAN REG	
Sampled	04/12/09 4:42:00 PM		04/12/09 3:52:00 PM	
KC Sample ID	L47834-3		L47834-4	
AXYS ID	L12556-7	validation qualifier	L12556-8	validation qualifier
WORKGROUP	WG28538		WG28538	
Sample Size	0.879 L		0.874 L	
UNITS	pg/L		pg/L	
CL7-PCB-182	K 4.35	U	< 1.85	U
CL7-PCB-183/185	300		150	
CL7-PCB-184	K 10.4	U	22.2	
CL7-PCB-186	< 1.37	U	< 1.53	U
CL7-PCB-187	503		262	
CL7-PCB-188	2.37	U	K 1.55	U
CL7-PCB-189	K 13.2	U	5.75	
CL7-PCB-190	83.7		43.5	
CL7-PCB-191	17.7		K 7.19	U
CL7-PCB-192	< 1.58	U	< 1.76	U
CL8-PCB-194	233		122	
CL8-PCB-195	73.9		44.6	
CL8-PCB-196	134		72.8	
CL8-PCB-197/200	46.3		26.6	
CL8-PCB-198/199	306		178	
CL8-PCB-201	34.8		K 21.5	U
CL8-PCB-202	76.4		45.7	
CL8-PCB-203	201		115	
CL8-PCB-204	< 1.58	U	< 1.44	U
CL8-PCB-205	K 10.8	U	K 7.32	U
CL9-PCB-206	166		104	
CL9-PCB-207	22.9		K 16.1	U
CL9-PCB-208	56.3		38.9	
CL10-PCB-209	73.4		146	
Total PCBs	27,700		13,200	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	63053		LANDER II	
Descrip	Brandon St. CSO		LANDER II REG	
Sampled	5/2/2009 21:29		5/2/2009 22:12	
KC Sample ID	L47992-1		L47992-2	
AXYS ID	L12676-1 i		L12676-2 i	
WORKGROUP	WG28766	validation qualifier	WG28766	validation qualifier
Sample Size	0.812 L		0.902 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	14		47.1	
CL1-PCB-2	8.44		7.65	
CL1-PCB-3	16.7		28.5	
CL2-PCB-4	93.8		249	
CL2-PCB-5	4.81		8.53	
CL2-PCB-6	43.8		87.7	
CL2-PCB-7	6.94		11.4	
CL2-PCB-8	220		333	
CL2-PCB-9	12.5		18.2	
CL2-PCB-10	3.16		6.83	
CL2-PCB-11	723		399	
CL2-PCB-12/13	37.3		40	
CL2-PCB-14	< 1.63	U	< 1.89	U
CL2-PCB-15	198		258	
CL3-PCB-16	189		500	
CL3-PCB-17	170		382	
CL3-PCB-18/30	366		866	
CL3-PCB-19	51.7		135	
CL3-PCB-20/28	689		1380	
CL3-PCB-21/33	365		1000	
CL3-PCB-22	291		742	
CL3-PCB-23	K 1.19	U	1.83	
CL3-PCB-24	7.45		13.1	
CL3-PCB-25	48.3		98.9	
CL3-PCB-26/29	114		243	
CL3-PCB-27	31.1		67.3	
CL3-PCB-31	568		1250	
CL3-PCB-32	132		305	
CL3-PCB-34	K 2.93	U	K 4.52	U
CL3-PCB-35	34		40.8	
CL3-PCB-36	K 4.02	U	3.22	
CL3-PCB-37	309		676	
CL3-PCB-38	K 1.24	U	1.29	
CL3-PCB-39	6.42		10.9	
CL4-PCB-40/41/71	443		1010	
CL4-PCB-42	199		403	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	63053		LANDER II	
Descrip	Brandon St. CSO		LANDER II REG	
Sampled	5/2/2009 21:29		5/2/2009 22:12	
KC Sample ID	L47992-1		L47992-2	
AXYS ID	L12676-1 i		L12676-2 i	
WORKGROUP	WG28766	validation qualifier	WG28766	validation qualifier
Sample Size	0.812 L		0.902 L	
UNITS	pg/L		pg/L	
CL4-PCB-43	34.5		62.1	
CL4-PCB-44/47/65	964		1720	
CL4-PCB-45/51	130		465	
CL4-PCB-46	45.3		109	
CL4-PCB-48	139		306	
CL4-PCB-49/69	535		820	
CL4-PCB-50/53	104		296	
CL4-PCB-52	1600		1490	
CL4-PCB-54	2.71		27.6	
CL4-PCB-55	24.3		51.9	
CL4-PCB-56	421		835	
CL4-PCB-57	3.78		7.34	
CL4-PCB-58	3.89		4.89	
CL4-PCB-59/62/75	68		147	
CL4-PCB-60	208		503	
CL4-PCB-61/70/74/76	2100		2530	
CL4-PCB-63	31.5		53.3	
CL4-PCB-64	392		639	
CL4-PCB-66	805		1300	
CL4-PCB-67	25.2		51.2	
CL4-PCB-68	9.06		36.4	
CL4-PCB-72	8.01		7.87	
CL4-PCB-73	5.52		9.39	
CL4-PCB-77	204		208	
CL4-PCB-78	K 1.67	U	K 1.77	U
CL4-PCB-79	44.9		32.8	
CL4-PCB-80	K 1.42	U	K 1.63	U
CL4-PCB-81	13.7		10.7	
CL5-PCB-82	423		340	
CL5-PCB-83/99	1610		1110	
CL5-PCB-84	873		636	
CL5-PCB-85/116/117	539		433	
CB-86/87/97/108/119/125	2420		1770	
CL5-PCB-88/91	377		337	
CL5-PCB-89	28.3		25.3	
CL5-PCB-90/101/113	3280		2260	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	63053		LANDER II	
Descrip	Brandon St. CSO		LANDER II REG	
Sampled	5/2/2009 21:29		5/2/2009 22:12	
KC Sample ID	L47992-1		L47992-2	
AXYS ID	L12676-1 i		L12676-2 i	
WORKGROUP	WG28766	validation qualifier	WG28766	validation qualifier
Sample Size	0.812 L		0.902 L	
UNITS	pg/L		pg/L	
CL5-PCB-92	580		405	
CL5-PCB-93/95/98/100/102	2540		1780	
CL5-PCB-94	11		30.5	
CL5-PCB-96	14.2		24.2	
CL5-PCB-103	14.6		24.2	
CL5-PCB-104	K 0.619	U	K 4.16	U
CL5-PCB-105	1660		1360	
CL5-PCB-106	< 1.86	U	< 0.764	U
CL5-PCB-107/124	180		112	
CL5-PCB-109	228		155	
CL5-PCB-110/115	4260		2990	
CL5-PCB-111	< 1.62	U	K 2.6	U
CL5-PCB-112	< 1.48	U	< 1.71	U
CL5-PCB-114	85.1		79.9	
CL5-PCB-118	4040		2940	
CL5-PCB-120	6.82		2.35	
CL5-PCB-121	< 1.55	U	K 2.23	U
CL5-PCB-122	52.5		35	
CL5-PCB-123	63.1		59.9	
CL5-PCB-126	42.5		14.2	
CL5-PCB-127	14.6		8.78	
CL6-PCB-128/166	957		700	
CL6-PCB-129/138/160/163	5270		3730	
CL6-PCB-130	336		227	
CL6-PCB-131	68.1		47.6	
CL6-PCB-132	1780		1220	
CL6-PCB-133	60.1		48.7	
CL6-PCB-134/143	249		174	
CL6-PCB-135/151/154	1190		822	
CL6-PCB-136	450		323	
CL6-PCB-137	294		198	
CL6-PCB-139/140	89.6		59.2	
CL6-PCB-141	936		586	
CL6-PCB-142	1.64		< 2.3	U
CL6-PCB-144	187		117	
CL6-PCB-145	K 1.76	U	K 1.19	U

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	63053		LANDER II	
Descrip	Brandon St. CSO		LANDER II REG	
Sampled	5/2/2009 21:29		5/2/2009 22:12	
KC Sample ID	L47992-1		L47992-2	
AXYS ID	L12676-1 i	validation	L12676-2 i	validation
WORKGROUP	WG28766	qualifier	WG28766	qualifier
Sample Size	0.812 L		0.902 L	
UNITS	pg/L		pg/L	
CL6-PCB-146	650		430	
CL6-PCB-147/149	3400		2290	
CL6-PCB-148	K 3.47	U	K 7.67	U
CL6-PCB-150	6.03		8.81	
CL6-PCB-152	4.08		5.5	
CL6-PCB-153/168	3710		2510	
CL6-PCB-155	K 0.759	U	K 7.34	U
CL6-PCB-156/157	713		606	
CL6-PCB-158	548		385	
CL6-PCB-159	64.6		27.9	
CL6-PCB-161	< 0.615	U	< 1.63	U
CL6-PCB-162	18.9		12.9	
CL6-PCB-164	365		254	
CL6-PCB-165	2.29		2.94	
CL6-PCB-167	259		184	
CL6-PCB-169	< 1.12	U	< 2.4	U
CL7-PCB-170	1250		698	
CL7-PCB-171/173	358		200	
CL7-PCB-172	236		114	
CL7-PCB-174	1200		618	
CL7-PCB-175	52.1		28.1	
CL7-PCB-176	135		74.8	
CL7-PCB-177	686		335	
CL7-PCB-178	217		124	
CL7-PCB-179	400		230	
CL7-PCB-180/193	2700		1370	
CL7-PCB-181	13.8		K 8.09	U
CL7-PCB-182	12.1		6.94	
CL7-PCB-183/185	815		418	
CL7-PCB-184	K 3.12	U	12.3	
CL7-PCB-186	< 0.799	U	< 1.19	U
CL7-PCB-187	1440		760	
CL7-PCB-188	4.81		K 3.91	U
CL7-PCB-189	53.2		30.6	
CL7-PCB-190	252		130	
CL7-PCB-191	56.1		29.3	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	63053		LANDER II	
Descrip	Brandon St. CSO		LANDER II REG	
Sampled	5/2/2009 21:29		5/2/2009 22:12	
KC Sample ID	L47992-1		L47992-2	
AXYS ID	L12676-1 i	validation	L12676-2 i	validation
WORKGROUP	WG28766	qualifier	WG28766	qualifier
Sample Size	0.812 L		0.902 L	
UNITS	pg/L		pg/L	
CL7-PCB-192	< 0.979	U	< 1.46	U
CL8-PCB-194	624		314	
CL8-PCB-195	213		100	
CL8-PCB-196	336		156	
CL8-PCB-197/200	113		57.6	
CL8-PCB-198/199	786		451	
CL8-PCB-201	91.7		49.3	
CL8-PCB-202	162		117	
CL8-PCB-203	472		286	
CL8-PCB-204	K 1.18	U	< 1.39	U
CL8-PCB-205	33.3		K 13.9	U
CL9-PCB-206	357		300	
CL9-PCB-207	51.1		40.4	
CL9-PCB-208	114		108	
CL10-PCB-209	124		125	
Total PCBs	71600		61500	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	A00602		CS030	
Descrip	DUWAMISH SIPHON FOREBAY		Hanford #2 CSO	
Sampled	5/5/2009 5:28		5/5/2009 5:02	
KC Sample ID	L48009-1		L48009-2	
AXYS ID	L12676-3	validation	L12676-4	validation
WORKGROUP	WG28766	qualifier	WG28766	qualifier
Sample Size	0.915 L		0.908 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	92.4		127	
CL1-PCB-2	10.7		16.9	
CL1-PCB-3	40.7		60.3	
CL2-PCB-4	205		239	
CL2-PCB-5	6.16		6.19	
CL2-PCB-6	85.8		94.6	
CL2-PCB-7	10.2		K 11.3	U
CL2-PCB-8	242		202	
CL2-PCB-9	17.1		18.3	
CL2-PCB-10	5.95		6.96	
CL2-PCB-11	698		599	
CL2-PCB-12/13	43.3		43.5	
CL2-PCB-14	< 1.8	U	< 2.54	U
CL2-PCB-15	213		138	
CL3-PCB-16	178		97.1	
CL3-PCB-17	180		110	
CL3-PCB-18/30	363		216	
CL3-PCB-19	69.2		65.5	
CL3-PCB-20/28	669		447	
CL3-PCB-21/33	341		234	
CL3-PCB-22	282		184	
CL3-PCB-23	K 1.03	U	< 0.913	U
CL3-PCB-24	6.28		4.35	J
CL3-PCB-25	56.2		48.4	
CL3-PCB-26/29	114		74.7	
CL3-PCB-27	37.9		22.2	
CL3-PCB-31	545		1300	
CL3-PCB-32	136		166	
CL3-PCB-34	2.38		2.08	
CL3-PCB-35	32.1		26.2	
CL3-PCB-36	4.87		3.69	
CL3-PCB-37	290		213	
CL3-PCB-38	K 0.719	U	< 0.947	U
CL3-PCB-39	4.72		3.33	
CL4-PCB-40/41/71	387		354	
CL4-PCB-42	173		131	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	A00602		CS030	
Descrip	DUWAMISH SIPHON FOREBAY		Hanford #2 CSO	
Sampled	5/5/2009 5:28		5/5/2009 5:02	
KC Sample ID	L48009-1		L48009-2	
AXYS ID	L12676-3		L12676-4	
WORKGROUP	WG28766	validation qualifier	WG28766	validation qualifier
Sample Size	0.915 L		0.908 L	
UNITS	pg/L		pg/L	
CL4-PCB-43	K 25.2	U	18.2	
CL4-PCB-44/47/65	756		1510	
CL4-PCB-45/51	138		646	
CL4-PCB-46	44.8		46	
CL4-PCB-48	123		82	
CL4-PCB-49/69	386		640	
CL4-PCB-50/53	97.5		418	
CL4-PCB-52	878		946	
CL4-PCB-54	3.82		98.1	
CL4-PCB-55	16.7		19.7	
CL4-PCB-56	314		270	
CL4-PCB-57	2.78		3.08	
CL4-PCB-58	2.48		4.34	J
CL4-PCB-59/62/75	60.6		71.7	
CL4-PCB-60	167		147	
CL4-PCB-61/70/74/76	1240		1110	
CL4-PCB-63	22.5		28.8	
CL4-PCB-64	287		226	
CL4-PCB-66	597		510	
CL4-PCB-67	20.7		22.4	
CL4-PCB-68	19.1		49.7	
CL4-PCB-72	4.92		7.64	
CL4-PCB-73	< 0.727	U	35.9	
CL4-PCB-77	152		114	
CL4-PCB-78	1.55		2.33	
CL4-PCB-79	21.4		23.4	
CL4-PCB-80	K 0.84	U	<0.582	U
CL4-PCB-81	6.32		8.68	
CL5-PCB-82	204		190	
CL5-PCB-83/99	771		773	
CL5-PCB-84	410		357	
CL5-PCB-85/116/117	279		266	
CB-86/87/97/108/119/125	1140		1100	
CL5-PCB-88/91	198		309	
CL5-PCB-89	18		14.4	
CL5-PCB-90/101/113	1470		1730	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	A00602		CS030	
Descrip	DUWAMISH SIPHON FOREBAY		Hanford #2 CSO	
Sampled	5/5/2009 5:28		5/5/2009 5:02	
KC Sample ID	L48009-1		L48009-2	
AXYS ID	L12676-3		L12676-4	
WORKGROUP	WG28766	validation qualifier	WG28766	validation qualifier
Sample Size	0.915 L		0.908 L	
UNITS	pg/L		pg/L	
CL5-PCB-92	258		329	
CL5-PCB-93/95/98/100/102	1190		1320	
CL5-PCB-94	7.24		50	
CL5-PCB-96	9.11		24.5	
CL5-PCB-103	8.57		48.8	
CL5-PCB-104	< 0.566	U	15.6	
CL5-PCB-105	809		755	
CL5-PCB-106	< 1.19	U	< 1.67	U
CL5-PCB-107/124	74.4		65	
CL5-PCB-109	106		102	
CL5-PCB-110/115	2010		1940	
CL5-PCB-111	< 2.08	U	K 3.76	U
CL5-PCB-112	< 1.9	U	< 2.47	U
CL5-PCB-114	43.4		41.3	
CL5-PCB-118	1880		1780	
CL5-PCB-120	2.91		K 6.85	U
CL5-PCB-121	< 1.99	U	5.78	
CL5-PCB-122	27.6		24.8	
CL5-PCB-123	36.1		37.1	
CL5-PCB-126	20.1		22.5	
CL5-PCB-127	7.7		K 6.17	U
CL6-PCB-128/166	502		500	
CL6-PCB-129/138/160/163	2830		3430	
CL6-PCB-130	182		184	
CL6-PCB-131	33.5		36.6	
CL6-PCB-132	953		1100	
CL6-PCB-133	35		62.3	
CL6-PCB-134/143	134		153	
CL6-PCB-135/151/154	767		1080	
CL6-PCB-136	245		332	
CL6-PCB-137	141		113	
CL6-PCB-139/140	42.2		48.6	
CL6-PCB-141	533		671	
CL6-PCB-142	K 1.57	U	< 1.75	U
CL6-PCB-144	115		134	
CL6-PCB-145	K 1.22	U	1.13	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	A00602		CS030	
Descrip	DUWAMISH SIPHON FOREBAY		Hanford #2 CSO	
Sampled	5/5/2009 5:28		5/5/2009 5:02	
KC Sample ID	L48009-1		L48009-2	
AXYS ID	L12676-3		L12676-4	
WORKGROUP	WG28766	validation qualifier	WG28766	validation qualifier
Sample Size	0.915 L		0.908 L	
UNITS	pg/L		pg/L	
CL6-PCB-146	371		504	
CL6-PCB-147/149	2080		2710	
CL6-PCB-148	K 2.05	U	13.1	
CL6-PCB-150	K 2.41	U	16.3	
CL6-PCB-152	1.92		8.42	
CL6-PCB-153/168	2160		2850	
CL6-PCB-155	K 1.64	U	K 5.39	U
CL6-PCB-156/157	325		377	
CL6-PCB-158	280		332	
CL6-PCB-159	45.6		62.8	
CL6-PCB-161	< 0.546	U	< 1.25	U
CL6-PCB-162	9.57		8.46	
CL6-PCB-164	213		246	
CL6-PCB-165	< 0.546	U	K 5.79	U
CL6-PCB-167	128		147	
CL6-PCB-169	< 0.739	U	< 1.77	U
CL7-PCB-170	720		1150	
CL7-PCB-171/173	235		347	
CL7-PCB-172	146		204	
CL7-PCB-174	858		1180	
CL7-PCB-175	33.1		50.2	
CL7-PCB-176	94		139	
CL7-PCB-177	461		664	
CL7-PCB-178	169		238	
CL7-PCB-179	315		440	
CL7-PCB-180/193	1760		2700	
CL7-PCB-181	7.02		K 9.26	U
CL7-PCB-182	K 5.91	U	13.4	
CL7-PCB-183/185	575		826	
CL7-PCB-184	K 3.64	U	7.56	
CL7-PCB-186	< 0.6	U	< 1.28	U
CL7-PCB-187	1130		1490	
CL7-PCB-188	2.61		K 6.52	U
CL7-PCB-189	27.2		47.3	
CL7-PCB-190	149		242	
CL7-PCB-191	32.4		50.8	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	A00602		CS030	
Descrip	DUWAMISH SIPHON FOREBAY		Hanford #2 CSO	
Sampled	5/5/2009 5:28		5/5/2009 5:02	
KC Sample ID	L48009-1		L48009-2	
AXYS ID	L12676-3	validation	L12676-4	validation
WORKGROUP	WG28766	qualifier	WG28766	qualifier
Sample Size	0.915 L		0.908 L	
UNITS	pg/L		pg/L	
CL7-PCB-192	< 0.736	U	< 1.56	U
CL8-PCB-194	410		662	
CL8-PCB-195	143		232	
CL8-PCB-196	215		326	
CL8-PCB-197/200	86.4		113	
CL8-PCB-198/199	567		773	
CL8-PCB-201	69.3		97.5	
CL8-PCB-202	136		181	
CL8-PCB-203	339		473	
CL8-PCB-204	< 0.74	U	< 1.45	U
CL8-PCB-205	K 19.2	U	30.9	
CL9-PCB-206	259		339	
CL9-PCB-207	35.2		48.6	
CL9-PCB-208	81.8		103	
CL10-PCB-209	145		121	
Total PCBs	43200		52000	J

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	CS030		63053	
Descrip	Hanford #2 CSO		Brandon St. CSO	
Sampled	5/5/2009 5:02		5/4/2009 20:13	
KC Sample ID	L48009-3		L48009-4	
AXYS ID	L12676-5		L12676-6	
WORKGROUP	WG28766	validation qualifier	WG28766	validation qualifier
Sample Size	0.914 L		0.896 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	144		10.3	
CL1-PCB-2	21		15.3	
CL1-PCB-3	65.3		10.2	
CL2-PCB-4	276		50.2	
CL2-PCB-5	6.07		2.65	
CL2-PCB-6	115		K 23.5	U
CL2-PCB-7	11		5.32	
CL2-PCB-8	231		112	
CL2-PCB-9	20.4		6.41	
CL2-PCB-10	8.06		< 2.04	U
CL2-PCB-11	613		668	
CL2-PCB-12/13	46.4		30.4	
CL2-PCB-14	< 2.43	U	< 2.27	U
CL2-PCB-15	147		122	
CL3-PCB-16	101		92.1	
CL3-PCB-17	113		82.3	
CL3-PCB-18/30	229		174	
CL3-PCB-19	71.1		28.5	
CL3-PCB-20/28	431		418	
CL3-PCB-21/33	225		221	
CL3-PCB-22	179		187	
CL3-PCB-23	< 2.04	U	0.854	
CL3-PCB-24	K 2.17	UJ	2.8	
CL3-PCB-25	45.5		27.7	
CL3-PCB-26/29	75.4		66	
CL3-PCB-27	21.7		14.5	
CL3-PCB-31	1280		333	
CL3-PCB-32	164		69.4	
CL3-PCB-34	< 1.98	U	1.5	
CL3-PCB-35	31.8		27.9	
CL3-PCB-36	K 3.5	U	3.48	
CL3-PCB-37	200		214	
CL3-PCB-38	K 2.12	U	K 0.768	U
CL3-PCB-39	4.05		4.07	
CL4-PCB-40/41/71	332		340	
CL4-PCB-42	124		149	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	CS030		63053	
Descrip	Hanford #2 CSO		Brandon St. CSO	
Sampled	5/5/2009 5:02		5/4/2009 20:13	
KC Sample ID	L48009-3		L48009-4	
AXYS ID	L12676-5		L12676-6	
WORKGROUP	WG28766	validation qualifier	WG28766	validation qualifier
Sample Size	0.914 L		0.896 L	
UNITS	pg/L		pg/L	
CL4-PCB-43	15.4		24.3	
CL4-PCB-44/47/65	1420		794	
CL4-PCB-45/51	617		78.2	
CL4-PCB-46	45.6		30.6	
CL4-PCB-48	73.4		95.2	
CL4-PCB-49/69	624		414	
CL4-PCB-50/53	414		67	
CL4-PCB-52	962		1400	
CL4-PCB-54	99.7		1.62	
CL4-PCB-55	13.6		20.7	
CL4-PCB-56	272		342	
CL4-PCB-57	2.23		2.78	
CL4-PCB-58	2.16	J	6.49	
CL4-PCB-59/62/75	60.4		49.6	
CL4-PCB-60	143		166	
CL4-PCB-61/70/74/76	1050		1860	
CL4-PCB-63	25.7		24.5	
CL4-PCB-64	204		314	
CL4-PCB-66	483		666	
CL4-PCB-67	19.7		21	
CL4-PCB-68	46.8		4.85	
CL4-PCB-72	K 8.7	U	5.64	
CL4-PCB-73	29.7		< 0.558	U
CL4-PCB-77	109		177	
CL4-PCB-78	K 1.28	U	2.04	
CL4-PCB-79	17.3		44.7	
CL4-PCB-80	< 0.675	U	< 0.558	U
CL4-PCB-81	6.46		10.9	
CL5-PCB-82	184		402	
CL5-PCB-83/99	759		1470	
CL5-PCB-84	353		815	
CL5-PCB-85/116/117	257		511	
CB-86/87/97/108/119/125	1060		2250	
CL5-PCB-88/91	315		353	
CL5-PCB-89	13.1		24.7	
CL5-PCB-90/101/113	1730		3080	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	CS030		63053	
Descrip	Hanford #2 CSO		Brandon St. CSO	
Sampled	5/5/2009 5:02		5/4/2009 20:13	
KC Sample ID	L48009-3		L48009-4	
AXYS ID	L12676-5		L12676-6	
WORKGROUP	WG28766	validation qualifier	WG28766	validation qualifier
Sample Size	0.914 L		0.896 L	
UNITS	pg/L		pg/L	
CL5-PCB-92	326		522	
CL5-PCB-93/95/98/100/102	1250		2350	
CL5-PCB-94	50.4		10.9	
CL5-PCB-96	27.4		13.1	
CL5-PCB-103	43.7		12	
CL5-PCB-104	13		< 0.621	U
CL5-PCB-105	704		1450	
CL5-PCB-106	< 1.89	U	< 0.978	U
CL5-PCB-107/124	61.3		144	
CL5-PCB-109	100		200	
CL5-PCB-110/115	1840		4040	
CL5-PCB-111	5.15		< 2.33	U
CL5-PCB-112	< 1.66	U	< 2.12	U
CL5-PCB-114	37.9		75.3	
CL5-PCB-118	1660		3580	
CL5-PCB-120	K 5.33	U	K 4.22	U
CL5-PCB-121	K 4.23	U	< 2.23	U
CL5-PCB-122	22.6		46.3	
CL5-PCB-123	30		55.7	
CL5-PCB-126	21.8		34.7	
CL5-PCB-127	6.02		11.5	
CL6-PCB-128/166	442		832	
CL6-PCB-129/138/160/163	3050		4710	
CL6-PCB-130	170		298	
CL6-PCB-131	28		61.4	
CL6-PCB-132	958		1630	
CL6-PCB-133	60.8		52.6	
CL6-PCB-134/143	135		226	
CL6-PCB-135/151/154	920		1130	
CL6-PCB-136	322		431	
CL6-PCB-137	99.5		273	
CL6-PCB-139/140	47.5		75.4	
CL6-PCB-141	587		859	
CL6-PCB-142	< 1.67	U	< 1.31	U
CL6-PCB-144	112		176	
CL6-PCB-145	< 0.834	U	2.09	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	CS030		63053	
Descrip	Hanford #2 CSO		Brandon St. CSO	
Sampled	5/5/2009 5:02		5/4/2009 20:13	
KC Sample ID	L48009-3		L48009-4	
AXYS ID	L12676-5		L12676-6	
WORKGROUP	WG28766	validation qualifier	WG28766	validation qualifier
Sample Size	0.914 L		0.896 L	
UNITS	pg/L		pg/L	
CL6-PCB-146	454		549	
CL6-PCB-147/149	2300		3120	
CL6-PCB-148	11.5		K 3.19	U
CL6-PCB-150	15.4		K 4.92	U
CL6-PCB-152	9.3		3.51	
CL6-PCB-153/168	2520		3220	
CL6-PCB-155	4.39		< 0.615	U
CL6-PCB-156/157	329		618	
CL6-PCB-158	281		485	
CL6-PCB-159	43.6		53.6	
CL6-PCB-161	< 1.19	U	< 0.93	U
CL6-PCB-162	8.5		17.1	
CL6-PCB-164	223		322	
CL6-PCB-165	4.29		1.52	
CL6-PCB-167	133		227	
CL6-PCB-169	< 1.92	U	< 3.42	U
CL7-PCB-170	1050		982	
CL7-PCB-171/173	309		297	
CL7-PCB-172	192		185	
CL7-PCB-174	1020		994	
CL7-PCB-175	43		46	
CL7-PCB-176	118		116	
CL7-PCB-177	563		551	
CL7-PCB-178	202		188	
CL7-PCB-179	386		360	
CL7-PCB-180/193	2410		2160	
CL7-PCB-181	7.29		10.7	
CL7-PCB-182	9		9.69	
CL7-PCB-183/185	710		660	
CL7-PCB-184	7.53		K 2.02	U
CL7-PCB-186	< 1	U	< 0.742	U
CL7-PCB-187	1290		1160	
CL7-PCB-188	K 6.09	U	3.56	
CL7-PCB-189	40.1		38.7	
CL7-PCB-190	216		202	
CL7-PCB-191	46.5		42.5	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	CS030		63053	
Descrip	Hanford #2 CSO		Brandon St. CSO	
Sampled	5/5/2009 5:02		5/4/2009 20:13	
KC Sample ID	L48009-3		L48009-4	
AXYS ID	L12676-5	validation	L12676-6	validation
WORKGROUP	WG28766	qualifier	WG28766	qualifier
Sample Size	0.914 L		0.896 L	
UNITS	pg/L		pg/L	
CL7-PCB-192	< 1.23	U	< 0.91	U
CL8-PCB-194	564		510	
CL8-PCB-195	193		176	
CL8-PCB-196	288		277	
CL8-PCB-197/200	96.6		88.6	
CL8-PCB-198/199	629		663	
CL8-PCB-201	74		78.2	
CL8-PCB-202	132		139	
CL8-PCB-203	389		369	
CL8-PCB-204	< 1.37	U	< 0.857	U
CL8-PCB-205	25.2		24	
CL9-PCB-206	249		290	
CL9-PCB-207	40		40.5	
CL9-PCB-208	80.9		89.8	
CL10-PCB-209	94.2		118	
Total PCBs	47700	J	61800	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	LANDER II		S070167	
Descrip	LANDER II REG		W Michigan Reg	
Sampled	5/4/2009 21:09		5/4/2009 19:58	
KC Sample ID	L48009-5		L48009-6	
AXYS ID	L12676-7	validation	L12676-8	validation
WORKGROUP	WG28766	qualifier	WG28766	qualifier
Sample Size	0.911 L		0.807 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	38.2		9.66	
CL1-PCB-2	10.9		5.8	
CL1-PCB-3	25.9		14.4	
CL2-PCB-4	115		34.9	
CL2-PCB-5	7.49		2.63	
CL2-PCB-6	57.9		22.2	
CL2-PCB-7	12		5.71	
CL2-PCB-8	234		83.6	
CL2-PCB-9	14.8		6.75	
CL2-PCB-10	4.87		K 1.9	U
CL2-PCB-11	371		401	
CL2-PCB-12/13	41.2		25.1	
CL2-PCB-14	< 2.1	U	< 2.04	U
CL2-PCB-15	190		130	
CL3-PCB-16	134		80.6	
CL3-PCB-17	120		81.9	
CL3-PCB-18/30	248		150	
CL3-PCB-19	32.4		20.4	
CL3-PCB-20/28	518		394	
CL3-PCB-21/33	330		197	
CL3-PCB-22	235		166	
CL3-PCB-23	K 0.731	U	< 0.676	U
CL3-PCB-24	4.49		K 3.7	U
CL3-PCB-25	37.2		27.2	
CL3-PCB-26/29	85		55.8	
CL3-PCB-27	19.6		12.5	
CL3-PCB-31	442		297	
CL3-PCB-32	93.3		57.9	
CL3-PCB-34	1.62		2.07	
CL3-PCB-35	20.5		22.1	
CL3-PCB-36	2.58		4.03	
CL3-PCB-37	180		212	
CL3-PCB-38	K 0.615	U	K 0.949	U
CL3-PCB-39	3.85		K 4.05	U
CL4-PCB-40/41/71	277		261	
CL4-PCB-42	115		118	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	LANDER II		S070167	
Descrip	LANDER II REG		W Michigan Reg	
Sampled	5/4/2009 21:09		5/4/2009 19:58	
KC Sample ID	L48009-5		L48009-6	
AXYS ID	L12676-7		L12676-8	
WORKGROUP	WG28766	validation qualifier	WG28766	validation qualifier
Sample Size	0.911 L		0.807 L	
UNITS	pg/L		pg/L	
CL4-PCB-43	19.9		20	
CL4-PCB-44/47/65	547		712	
CL4-PCB-45/51	131		157	
CL4-PCB-46	27.6		25.8	
CL4-PCB-48	102		80.7	
CL4-PCB-49/69	258		271	
CL4-PCB-50/53	67.2		53.1	
CL4-PCB-52	529		567	
CL4-PCB-54	5.01		1.31	
CL4-PCB-55	10.9		15.7	
CL4-PCB-56	161		257	
CL4-PCB-57	2.27		K 2.43	U
CL4-PCB-58	1.21		2.04	
CL4-PCB-59/62/75	41.1		43.6	
CL4-PCB-60	91.8		131	
CL4-PCB-61/70/74/76	714		948	
CL4-PCB-63	14.7		18.8	
CL4-PCB-64	198		201	
CL4-PCB-66	302		497	
CL4-PCB-67	13.8		16.7	
CL4-PCB-68	22.2		116	
CL4-PCB-72	2.55		5.22	
CL4-PCB-73	3.16		2.11	
CL4-PCB-77	58.9		105	
CL4-PCB-78	< 0.549	U	1.46	
CL4-PCB-79	11.1		15.3	
CL4-PCB-80	< 0.549	U	1.35	
CL4-PCB-81	3.19		6.26	
CL5-PCB-82	97.6		139	
CL5-PCB-83/99	333		524	
CL5-PCB-84	176		263	
CL5-PCB-85/116/117	125		186	
CB-86/87/97/108/119/125	528		747	
CL5-PCB-88/91	88.6		125	
CL5-PCB-89	7.96		11.8	
CL5-PCB-90/101/113	727		947	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	LANDER II		S070167	
Descrip	LANDER II REG		W Michigan Reg	
Sampled	5/4/2009 21:09		5/4/2009 19:58	
KC Sample ID	L48009-5		L48009-6	
AXYS ID	L12676-7	validation	L12676-8	validation
WORKGROUP	WG28766	qualifier	WG28766	qualifier
Sample Size	0.911 L		0.807 L	
UNITS	pg/L		pg/L	
CL5-PCB-92	121		172	
CL5-PCB-93/95/98/100/102	560		739	
CL5-PCB-94	5.68		6.11	
CL5-PCB-96	K 5.65	U	6.08	
CL5-PCB-103	K 6.21	U	6.44	
CL5-PCB-104	1.05		< 0.743	U
CL5-PCB-105	378		501	
CL5-PCB-106	< 0.633	U	< 1.97	U
CL5-PCB-107/124	35		48.5	
CL5-PCB-109	47.3		72.5	
CL5-PCB-110/115	898		1310	
CL5-PCB-111	< 1.02	U	< 2.78	U
CL5-PCB-112	< 0.932	U	< 2.53	U
CL5-PCB-114	21.1		29.2	
CL5-PCB-118	875		1170	
CL5-PCB-120	K 1.43	U	3.19	
CL5-PCB-121	< 0.979	U	< 2.65	U
CL5-PCB-122	12.9		17.4	
CL5-PCB-123	21.6		K 31.5	U
CL5-PCB-126	9.57		12.4	
CL5-PCB-127	2.63		4.45	
CL6-PCB-128/166	195		265	
CL6-PCB-129/138/160/163	1170		1510	
CL6-PCB-130	74		97.3	
CL6-PCB-131	14.8		19.4	
CL6-PCB-132	371		499	
CL6-PCB-133	15.8		K 20	U
CL6-PCB-134/143	51.9		72.3	
CL6-PCB-135/151/154	327		379	
CL6-PCB-136	110		131	
CL6-PCB-137	52.3		72.2	
CL6-PCB-139/140	17.2		29.2	
CL6-PCB-141	222		260	
CL6-PCB-142	< 0.884	U	< 1.57	U
CL6-PCB-144	48.2		55.7	
CL6-PCB-145	< 0.795	U	K 0.897	U

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	LANDER II		S070167	
Descrip	LANDER II REG		W Michigan Reg	
Sampled	5/4/2009 21:09		5/4/2009 19:58	
KC Sample ID	L48009-5		L48009-6	
AXYS ID	L12676-7		L12676-8	
WORKGROUP	WG28766	validation qualifier	WG28766	validation qualifier
Sample Size	0.911 L		0.807 L	
UNITS	pg/L		pg/L	
CL6-PCB-146	158		197	
CL6-PCB-147/149	885		1070	
CL6-PCB-148	2.09		K 2.06	U
CL6-PCB-150	2.26		2.64	
CL6-PCB-152	1.65		1.54	
CL6-PCB-153/168	958		1090	
CL6-PCB-155	K 3.57	U	4.13	
CL6-PCB-156/157	147		185	
CL6-PCB-158	122		156	
CL6-PCB-159	18.6		20.2	
CL6-PCB-161	< 0.629	U	< 1.12	U
CL6-PCB-162	5.11		7.32	
CL6-PCB-164	85.7		112	
CL6-PCB-165	0.798		< 1.25	U
CL6-PCB-167	55.8		66.7	
CL6-PCB-169	< 1.29	U	< 1.5	U
CL7-PCB-170	306		327	
CL7-PCB-171/173	92		104	
CL7-PCB-172	64.8		61.8	
CL7-PCB-174	339		341	
CL7-PCB-175	K 16.1	U	14.6	
CL7-PCB-176	42.2		37.1	
CL7-PCB-177	182		185	
CL7-PCB-178	70.4		70.3	
CL7-PCB-179	138		128	
CL7-PCB-180/193	789		732	
CL7-PCB-181	2.11		K 4.24	U
CL7-PCB-182	3.8		K 3.6	U
CL7-PCB-183/185	250		224	
CL7-PCB-184	7.07		7.75	
CL7-PCB-186	< 0.668	U	< 0.743	U
CL7-PCB-187	459		437	
CL7-PCB-188	1.49		1.61	
CL7-PCB-189	K 12.7	U	14	
CL7-PCB-190	66.2		62.7	
CL7-PCB-191	15.5		15.1	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	LANDER II		S070167	
Descrip	LANDER II REG		W Michigan Reg	
Sampled	5/4/2009 21:09		5/4/2009 19:58	
KC Sample ID	L48009-5		L48009-6	
AXYS ID	L12676-7	validation	L12676-8	validation
WORKGROUP	WG28766	qualifier	WG28766	qualifier
Sample Size	0.911 L		0.807 L	
UNITS	pg/L		pg/L	
CL7-PCB-192	< 0.819	U	< 0.911	U
CL8-PCB-194	211		169	
CL8-PCB-195	67.9		62.1	
CL8-PCB-196	120		90.1	
CL8-PCB-197/200	43		32.2	
CL8-PCB-198/199	322		251	
CL8-PCB-201	35.2		25.7	
CL8-PCB-202	78.5		57.6	
CL8-PCB-203	197		142	
CL8-PCB-204	< 0.924	U	< 0.867	U
CL8-PCB-205	8.98		7.6	
CL9-PCB-206	201		148	
CL9-PCB-207	25.2		21.8	
CL9-PCB-208	64.1		58.4	
CL10-PCB-209	71.2		146	
Total PCBs	21800		24500	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	KINGDOME REGULATOR	
Descrip	Kingdome Reg	
Sampled	5/5/2009 4:54	
KC Sample ID	L48009-7	
AXYS ID	L12676-9	
WORKGROUP	WG28766	validation qualifier
Sample Size	0.91 L	
UNITS	pg/L	
CL1-PCB-1	18.9	
CL1-PCB-2	9.95	
CL1-PCB-3	25.2	
CL2-PCB-4	68	
CL2-PCB-5	3.09	
CL2-PCB-6	48.1	
CL2-PCB-7	7.02	
CL2-PCB-8	148	
CL2-PCB-9	9.18	
CL2-PCB-10	2.83	
CL2-PCB-11	954	
CL2-PCB-12/13	46.9	
CL2-PCB-14	< 1.34	U
CL2-PCB-15	222	
CL3-PCB-16	165	
CL3-PCB-17	153	
CL3-PCB-18/30	308	
CL3-PCB-19	44.4	
CL3-PCB-20/28	654	
CL3-PCB-21/33	320	
CL3-PCB-22	271	
CL3-PCB-23	0.808	
CL3-PCB-24	3.96	
CL3-PCB-25	54.4	
CL3-PCB-26/29	113	
CL3-PCB-27	26.9	
CL3-PCB-31	517	
CL3-PCB-32	122	
CL3-PCB-34	2.54	
CL3-PCB-35	41.3	
CL3-PCB-36	6.15	
CL3-PCB-37	355	
CL3-PCB-38	1.24	
CL3-PCB-39	5.59	
CL4-PCB-40/41/71	408	
CL4-PCB-42	180	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	KINGDOME REGULATOR	
Descrip	Kingdome Reg	
Sampled	5/5/2009 4:54	
KC Sample ID	L48009-7	
AXYS ID	L12676-9	
WORKGROUP	WG28766	validation qualifier
Sample Size	0.91 L	
UNITS	pg/L	
CL4-PCB-43	26.8	
CL4-PCB-44/47/65	956	
CL4-PCB-45/51	141	
CL4-PCB-46	41.5	
CL4-PCB-48	121	
CL4-PCB-49/69	433	
CL4-PCB-50/53	89.3	
CL4-PCB-52	1290	
CL4-PCB-54	1.87	
CL4-PCB-55	27.5	
CL4-PCB-56	468	
CL4-PCB-57	3.43	
CL4-PCB-58	2.97	
CL4-PCB-59/62/75	61.8	
CL4-PCB-60	247	
CL4-PCB-61/70/74/76	2180	
CL4-PCB-63	31.6	
CL4-PCB-64	346	
CL4-PCB-66	876	
CL4-PCB-67	27.8	
CL4-PCB-68	46.9	
CL4-PCB-72	5.63	
CL4-PCB-73	K 3.33	U
CL4-PCB-77	286	
CL4-PCB-78	1.66	
CL4-PCB-79	45.7	
CL4-PCB-80	< 0.549	U
CL4-PCB-81	12.3	
CL5-PCB-82	474	
CL5-PCB-83/99	1680	
CL5-PCB-84	847	
CL5-PCB-85/116/117	623	
CB-86/87/97/108/119/125	2700	
CL5-PCB-88/91	364	
CL5-PCB-89	27.3	
CL5-PCB-90/101/113	3510	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	KINGDOME REGULATOR	
Descrip	Kingdome Reg	
Sampled	5/5/2009 4:54	
KC Sample ID	L48009-7	
AXYS ID	L12676-9	
WORKGROUP	WG28766	validation qualifier
Sample Size	0.91 L	
UNITS	pg/L	
CL5-PCB-92	588	
CL5-PCB-93/95/98/100/102	2410	
CL5-PCB-94	10.5	
CL5-PCB-96	12.6	
CL5-PCB-103	11	
CL5-PCB-104	< 0.549	U
CL5-PCB-105	2010	
CL5-PCB-106	< 1.31	U
CL5-PCB-107/124	184	
CL5-PCB-109	265	
CL5-PCB-110/115	4890	
CL5-PCB-111	< 2.44	U
CL5-PCB-112	< 2.28	U
CL5-PCB-114	99.9	
CL5-PCB-118	4610	
CL5-PCB-120	K 5.38	U
CL5-PCB-121	< 2.33	U
CL5-PCB-122	63.1	
CL5-PCB-123	82.5	
CL5-PCB-126	56	
CL5-PCB-127	15.5	
CL6-PCB-128/166	1070	
CL6-PCB-129/138/160/163	5800	
CL6-PCB-130	369	
CL6-PCB-131	70.2	
CL6-PCB-132	1850	
CL6-PCB-133	59.2	
CL6-PCB-134/143	246	
CL6-PCB-135/151/154	1120	
CL6-PCB-136	438	
CL6-PCB-137	298	
CL6-PCB-139/140	89.6	
CL6-PCB-141	952	
CL6-PCB-142	< 2.02	U
CL6-PCB-144	181	
CL6-PCB-145	1.91	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	KINGDOME REGULATOR	
Descrip	Kingdome Reg	
Sampled	5/5/2009 4:54	
KC Sample ID	L48009-7	
AXYS ID	L12676-9	
WORKGROUP	WG28766	validation qualifier
Sample Size	0.91 L	
UNITS	pg/L	
CL6-PCB-146	648	
CL6-PCB-147/149	3400	
CL6-PCB-148	K 3.33	U
CL6-PCB-150	5.02	
CL6-PCB-152	3.61	
CL6-PCB-153/168	3690	
CL6-PCB-155	1.34	
CL6-PCB-156/157	798	
CL6-PCB-158	600	
CL6-PCB-159	50.7	
CL6-PCB-161	< 1.47	U
CL6-PCB-162	21.3	
CL6-PCB-164	407	
CL6-PCB-165	< 1.62	U
CL6-PCB-167	282	
CL6-PCB-169	< 2.21	U
CL7-PCB-170	1080	
CL7-PCB-171/173	318	
CL7-PCB-172	194	
CL7-PCB-174	1020	
CL7-PCB-175	43.5	
CL7-PCB-176	117	
CL7-PCB-177	562	
CL7-PCB-178	185	
CL7-PCB-179	346	
CL7-PCB-180/193	2250	
CL7-PCB-181	12.8	
CL7-PCB-182	K 8.72	U
CL7-PCB-183/185	663	
CL7-PCB-184	5.06	
CL7-PCB-186	< 0.909	U
CL7-PCB-187	1150	
CL7-PCB-188	3.5	
CL7-PCB-189	42.8	
CL7-PCB-190	203	
CL7-PCB-191	46.1	

Table D-8. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in May 2009.

Locator	KINGDOME REGULATOR	
Descrip	Kingdome Reg	
Sampled	5/5/2009 4:54	
KC Sample ID	L48009-7	
AXYS ID	L12676-9	
WORKGROUP	WG28766	validation qualifier
Sample Size	0.91 L	
UNITS	pg/L	
CL7-PCB-192	< 1.11	U
CL8-PCB-194	500	
CL8-PCB-195	164	
CL8-PCB-196	258	
CL8-PCB-197/200	86.6	
CL8-PCB-198/199	647	
CL8-PCB-201	71.6	
CL8-PCB-202	145	
CL8-PCB-203	386	
CL8-PCB-204	< 0.892	U
CL8-PCB-205	21.2	
CL9-PCB-206	274	
CL9-PCB-207	40.9	
CL9-PCB-208	94	
CL10-PCB-209	133	
Total PCBs	72100	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum pos

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-9. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in September and October 2009.

Locator	CS030		S070167	
Descrip	Hanford #2 CSO		W Michigan Reg	
Sampled	9/6/09 12:02		9/6/09 10:41	
KC Sample ID	L49003-1		L49003-2	
AXYS ID	L13835-1	validation	L13835-2 i2	validation
WORKGROUP	WG30767	qualifier	WG30767	qualifier
Sample Size	0.866 L		0.919 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	364		17.4	U
CL1-PCB-2	47.3		9.3	
CL1-PCB-3	253		19.7	
CL2-PCB-4	402		22.8	U
CL2-PCB-5	21.5		< 2.18	U
CL2-PCB-6	151		17.5	
CL2-PCB-7	37.3		3.77	
CL2-PCB-8	495		61	
CL2-PCB-9	47.7		5.43	
CL2-PCB-10	14.9		< 1.74	U
CL2-PCB-11	537		437	
CL2-PCB-12/13	80.7		19.5	
CL2-PCB-14	< 2.37	U	< 2.05	U
CL2-PCB-15	300		72.8	
CL3-PCB-16	264		54.6	
CL3-PCB-17	398		51	
CL3-PCB-18/30	671		91.3	
CL3-PCB-19	134		12.5	
CL3-PCB-20/28	941		253	
CL3-PCB-21/33	540		139	
CL3-PCB-22	348		102	
CL3-PCB-23	< 2.33	U	< 1.3	U
CL3-PCB-24	9.46		1.98	
CL3-PCB-25	123		16.9	
CL3-PCB-26/29	174		34.4	
CL3-PCB-27	47.7		8.44	
CL3-PCB-31	1510		182	
CL3-PCB-32	439		43.3	
CL3-PCB-34	3.95		< 1.28	U
CL3-PCB-35	29.7		22.6	
CL3-PCB-36	< 2.2	U	3.56	
CL3-PCB-37	336		116	
CL3-PCB-38	< 2.37	U	< 1.27	U
CL3-PCB-39	6.68		< 1.29	U
CL4-PCB-40/41/71	797		173	
CL4-PCB-42	260		76.4	
CL4-PCB-43	44.2		11.3	
CL4-PCB-44/47/65	4200		586	
CL4-PCB-45/51	2000		91	
CL4-PCB-46	136		16.1	
CL4-PCB-48	175		52.2	
CL4-PCB-49/69	2200		189	
CL4-PCB-50/53	1820		36.9	

Table D-9. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in September and October 2009.

Locator	CS030		S070167	
Descrip	Hanford #2 CSO		W Michigan Reg	
Sampled	9/6/09 12:02		9/6/09 10:41	
KC Sample ID	L49003-1		L49003-2	
AXYS ID	L13835-1	validation	L13835-2 i2	validation
WORKGROUP	WG30767	qualifier	WG30767	qualifier
Sample Size	0.866 L		0.919 L	
UNITS	pg/L		pg/L	
CL4-PCB-52	3180		485	
CL4-PCB-54	278		0.968	
CL4-PCB-55	32.1		12	
CL4-PCB-56	443		169	
CL4-PCB-57	6.43		1.44	
CL4-PCB-58	9.15		2.87	
CL4-PCB-59/62/75	137		28.2	
CL4-PCB-60	253		93.4	
CL4-PCB-61/70/74/76	2120		719	
CL4-PCB-63	58.1		11.8	
CL4-PCB-64	425		145	
CL4-PCB-66	889		335	
CL4-PCB-67	29.6		9.56	
CL4-PCB-68	101		84.1	
CL4-PCB-72	24.9		2.94	
CL4-PCB-73	103		< 0.544	U
CL4-PCB-77	191		78.1	
CL4-PCB-78	< 2.65	U	< 1.52	U
CL4-PCB-79	42.1		12	
CL4-PCB-80	< 2.27	U	< 1.33	U
CL4-PCB-81	K 8.21	U	K 3.62	U
CL5-PCB-82	357		137	
CL5-PCB-83/99	2310		581	
CL5-PCB-84	750		268	
CL5-PCB-85/116/117	588		202	
CB-86/87/97/108/119/125	2510		847	
CL5-PCB-88/91	1080		131	
CL5-PCB-89	28.1		10.3	
CL5-PCB-90/101/113	4550		1100	
CL5-PCB-92	1040		191	
CL5-PCB-93/95/98/100/102	3460		794	
CL5-PCB-94	197		4.64	
CL5-PCB-96	119		4.77	
CL5-PCB-103	182		6.53	
CL5-PCB-104	40.4		< 0.544	U
CL5-PCB-105	1370		447	
CL5-PCB-106	< 1.79	U	< 1.23	U
CL5-PCB-107/124	120		45.8	
CL5-PCB-109	255		80.8	
CL5-PCB-110/115	4180		1470	
CL5-PCB-111	14.4		< 1.18	U
CL5-PCB-112	< 3.41	U	< 1.19	U
CL5-PCB-114	82.8		23.7	

Table D-9. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in September and October 2009.

Locator	CS030		S070167	
Descrip	Hanford #2 CSO		W Michigan Reg	
Sampled	9/6/09 12:02		9/6/09 10:41	
KC Sample ID	L49003-1		L49003-2	
AXYS ID	L13835-1	validation	L13835-2 i2	validation
WORKGROUP	WG30767	qualifier	WG30767	qualifier
Sample Size	0.866 L		0.919 L	
UNITS	pg/L		pg/L	
CL5-PCB-118	3330		1120	
CL5-PCB-120	27.9		2.53	
CL5-PCB-121	16.2		< 1.2	U
CL5-PCB-122	43.8		13.4	
CL5-PCB-123	K 65.6	U	K 32.8	U
CL5-PCB-126	27.7		9.25	
CL5-PCB-127	< 1.94	U	< 1.3	U
CL6-PCB-128/166	1040		409	
CL6-PCB-129/138/160/163	7330		1710	
CL6-PCB-130	370		108	
CL6-PCB-131	62.9		20.8	
CL6-PCB-132	2150		556	
CL6-PCB-133	177		20.8	
CL6-PCB-134/143	309		82.2	
CL6-PCB-135/151/154	2680		414	
CL6-PCB-136	936		149	
CL6-PCB-137	221		83	
CL6-PCB-139/140	111		30.2	
CL6-PCB-141	1230		281	
CL6-PCB-142	< 1.73	U	< 1.89	U
CL6-PCB-144	273		57.5	
CL6-PCB-145	2.4		< 0.544	U
CL6-PCB-146	1320		219	
CL6-PCB-147/149	6180		1110	
CL6-PCB-148	50.6		2.36	
CL6-PCB-150	65.2		K 1.93	U
CL6-PCB-152	31.7		1.14	
CL6-PCB-153/168	6640		1220	
CL6-PCB-155	8.95		7.38	
CL6-PCB-156/157	749		197	
CL6-PCB-158	629		167	
CL6-PCB-159	102		17.6	
CL6-PCB-161	< 1.27	U	< 1.24	U
CL6-PCB-162	13.7		6.41	
CL6-PCB-164	493		115	
CL6-PCB-165	17		< 1.43	U
CL6-PCB-167	279		69.3	
CL6-PCB-169	< 10.3	U	< 2.66	U
CL7-PCB-170	2600		327	
CL7-PCB-171/173	749		103	
CL7-PCB-172	398		66.6	
CL7-PCB-174	2200		337	
CL7-PCB-175	86.7		16.3	

Table D-9. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in September and October 2009.

Locator	CS030		S070167	
Descrip	Hanford #2 CSO		W Michigan Reg	
Sampled	9/6/09 12:02		9/6/09 10:41	
KC Sample ID	L49003-1		L49003-2	
AXYS ID	L13835-1	validation	L13835-2 i2	validation
WORKGROUP	WG30767	qualifier	WG30767	qualifier
Sample Size	0.866 L		0.919 L	
UNITS	pg/L		pg/L	
CL7-PCB-176	283		42.4	
CL7-PCB-177	1450		213	
CL7-PCB-178	508		75.6	
CL7-PCB-179	957		140	
CL7-PCB-180/193	5760		811	
CL7-PCB-181	20.2		3.3	
CL7-PCB-182	25.8		3.63	
CL7-PCB-183/185	1720		245	
CL7-PCB-184	K 7.61	U	11.2	
CL7-PCB-186	< 0.854	U	< 0.544	
CL7-PCB-187	3260		574	
CL7-PCB-188	15		1.47	
CL7-PCB-189	113		13.3	
CL7-PCB-190	531		69.6	
CL7-PCB-191	112		14.7	
CL7-PCB-192	< 1.08	U	< 0.544	U
CL8-PCB-194	1370		184	
CL8-PCB-195	524		66.9	
CL8-PCB-196	770		96.2	
CL8-PCB-197/200	205		38	
CL8-PCB-198/199	1460		323	
CL8-PCB-201	161		26.5	
CL8-PCB-202	273		65.2	
CL8-PCB-203	949		152	
CL8-PCB-204	< 1.02	U	< 0.544	U
CL8-PCB-205	71.3		9.8	
CL9-PCB-206	641		160	
CL9-PCB-207	80.9		20.8	
CL9-PCB-208	172		55.4	
CL10-PCB-209	228		150	
Total PCBs	117000		24200	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-9. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in September and October 2009.

Locator	KINGDOME REGULATOR		63053	
Descrip	Kingdome Reg		Brandon St. CSO	
Sampled	10/16/09 20:43		10/26/2009 9:36	
KC Sample ID	L49199-5		L49487-1	
AXYS ID	L13835-4 i	validation	L13835-5 i	validation
WORKGROUP	WG30767	qualifier	WG30767	qualifier
Sample Size	0.9 L		0.913 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	7.72	U	6.63	U
CL1-PCB-2	4.72	U	4.35	U
CL1-PCB-3	9.82	U	7.11	U
CL2-PCB-4	34.7	U	31.9	U
CL2-PCB-5	< 2.28	U	1.78	
CL2-PCB-6	17.4		14.7	
CL2-PCB-7	2.88		3.21	
CL2-PCB-8	68.5		67.7	
CL2-PCB-9	3.91		4.57	
CL2-PCB-10	< 1.82	U	< 0.825	U
CL2-PCB-11	277		217	
CL2-PCB-12/13	10.2		11.7	
CL2-PCB-14	< 2.15	U	< 0.973	U
CL2-PCB-15	86.7		57.6	
CL3-PCB-16	105		61.1	
CL3-PCB-17	103		51.7	
CL3-PCB-18/30	181		98.2	
CL3-PCB-19	30.5		20.3	
CL3-PCB-20/28	396		247	
CL3-PCB-21/33	182		113	
CL3-PCB-22	155		97.9	
CL3-PCB-23	< 1.02	U	< 0.857	U
CL3-PCB-24	3.29		2.28	
CL3-PCB-25	23.6		14.4	
CL3-PCB-26/29	60.7		34.1	
CL3-PCB-27	18.8		11.3	
CL3-PCB-31	272		174	
CL3-PCB-32	94.5		53	
CL3-PCB-34	1.48		K 0.949	U
CL3-PCB-35	17.9		12.5	
CL3-PCB-36	1.82		< 0.788	U
CL3-PCB-37	156		103	
CL3-PCB-38	< 1	U	< 0.839	U
CL3-PCB-39	2.54		2.39	
CL4-PCB-40/41/71	218		202	
CL4-PCB-42	93.1		85.7	
CL4-PCB-43	14.1		10.7	
CL4-PCB-44/47/65	477		499	
CL4-PCB-45/51	112		84.5	
CL4-PCB-46	23.1		19.1	
CL4-PCB-48	69.4		52	
CL4-PCB-49/69	206		225	
CL4-PCB-50/53	42.8		42.4	

Table D-9. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in September and October 2009.

Locator	KINGDOME REGULATOR		63053	
Descrip	Kingdome Reg		Brandon St. CSO	
Sampled	10/16/09 20:43		10/26/2009 9:36	
KC Sample ID	L49199-5		L49487-1	
AXYS ID	L13835-4 i	validation	L13835-5 i	validation
WORKGROUP	WG30767	qualifier	WG30767	qualifier
Sample Size	0.9 L		0.913 L	
UNITS	pg/L		pg/L	
CL4-PCB-52	529		758	
CL4-PCB-54	0.745		0.945	
CL4-PCB-55	13.8		11.6	
CL4-PCB-56	205		191	
CL4-PCB-57	1.93		1.44	
CL4-PCB-58	2.7		2.82	
CL4-PCB-59/62/75	31.6		29.9	
CL4-PCB-60	119		97.4	
CL4-PCB-61/70/74/76	851		954	
CL4-PCB-63	13.8		11.9	
CL4-PCB-64	161		181	
CL4-PCB-66	376		383	
CL4-PCB-67	14.2		10.2	
CL4-PCB-68	27.1		48.1	
CL4-PCB-72	2.46		3.07	
CL4-PCB-73	< 0.556	U	< 0.548	U
CL4-PCB-77	91.6		91.9	
CL4-PCB-78	< 1.69	U	< 0.892	U
CL4-PCB-79	15.5		21.5	
CL4-PCB-80	< 1.47	U	< 0.776	U
CL4-PCB-81	K 4.4	U	K 4.99	U
CL5-PCB-82	175		222	
CL5-PCB-83/99	597		815	
CL5-PCB-84	313		418	
CL5-PCB-85/116/117	213		290	
CB-86/87/97/108/119/125	987		1300	
CL5-PCB-88/91	136		188	
CL5-PCB-89	12		14.7	
CL5-PCB-90/101/113	1240		1700	
CL5-PCB-92	203		285	
CL5-PCB-93/95/98/100/102	862		1210	
CL5-PCB-94	4.51		5.29	
CL5-PCB-96	4.48		6.03	
CL5-PCB-103	4.78		5.13	
CL5-PCB-104	< 2.17	U	< 1.1	U
CL5-PCB-105	599		747	
CL5-PCB-106	< 1.94	U	< 1.72	U
CL5-PCB-107/124	71		80.3	
CL5-PCB-109	97.2		122	
CL5-PCB-110/115	1760		2410	
CL5-PCB-111	< 1.8	U	< 1.3	U
CL5-PCB-112	< 1.83	U	< 1.32	U
CL5-PCB-114	30.3		36	

Table D-9. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in September and October 2009.

Locator	KINGDOME REGULATOR		63053	
Descrip	Kingdome Reg		Brandon St. CSO	
Sampled	10/16/09 20:43		10/26/2009 9:36	
KC Sample ID	L49199-5		L49487-1	
AXYS ID	L13835-4 i	validation	L13835-5 i	validation
WORKGROUP	WG30767	qualifier	WG30767	qualifier
Sample Size	0.9 L		0.913 L	
UNITS	pg/L		pg/L	
CL5-PCB-118	1390		1730	
CL5-PCB-120	< 1.72	U	K 3.27	U
CL5-PCB-121	< 1.83	U	< 1.32	U
CL5-PCB-122	18.8		25	
CL5-PCB-123	K 22.1	U	K 28.4	U
CL5-PCB-126	14.5		19.2	
CL5-PCB-127	4.44		6.21	
CL6-PCB-128/166	456		548	
CL6-PCB-129/138/160/163	2130		2780	
CL6-PCB-130	137		176	
CL6-PCB-131	26		35	
CL6-PCB-132	711		922	
CL6-PCB-133	22.9		29.2	
CL6-PCB-134/143	97		134	
CL6-PCB-135/151/154	448		600	
CL6-PCB-136	169		225	
CL6-PCB-137	119		151	
CL6-PCB-139/140	31.7		43.2	
CL6-PCB-141	361		476	
CL6-PCB-142	<2.12	U	< 2.25	U
CL6-PCB-144	71		92.5	
CL6-PCB-145	< 0.556	U	< 0.548	U
CL6-PCB-146	242		314	
CL6-PCB-147/149	1290		1730	
CL6-PCB-148	1.65		1.53	
CL6-PCB-150	K 1.87	U	2.98	
CL6-PCB-152	1.11		K 1.89	U
CL6-PCB-153/168	1390		1810	
CL6-PCB-155	0.595		< 0.548	U
CL6-PCB-156/157	267		361	
CL6-PCB-158	220		284	
CL6-PCB-159	19.8		26	
CL6-PCB-161	< 1.39	U	< 1.47	U
CL6-PCB-162	6.96		8.61	
CL6-PCB-164	145		180	
CL6-PCB-165	< 1.6	U	< 1.7	U
CL6-PCB-167	98.2		125	
CL6-PCB-169	< 2.54	U	< 3.92	U
CL7-PCB-170	387		538	
CL7-PCB-171/173	126		162	
CL7-PCB-172	76.2		104	
CL7-PCB-174	401		513	
CL7-PCB-175	18.2		23.8	

Table D-9. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in September and October 2009.

Locator	KINGDOME REGULATOR		63053	
Descrip	Kingdome Reg		Brandon St. CSO	
Sampled	10/16/09 20:43		10/26/2009 9:36	
KC Sample ID	L49199-5		L49487-1	
AXYS ID	L13835-4 i	validation	L13835-5 i	validation
WORKGROUP	WG30767	qualifier	WG30767	qualifier
Sample Size	0.9 L		0.913 L	
UNITS	pg/L		pg/L	
CL7-PCB-176	50.3		61.6	
CL7-PCB-177	247		320	
CL7-PCB-178	81.1		98.4	
CL7-PCB-179	157		184	
CL7-PCB-180/193	872		1200	
CL7-PCB-181	4.3		6.98	
CL7-PCB-182	4.16		< 0.548	U
CL7-PCB-183/185	276		362	
CL7-PCB-184	2.48		1.26	
CL7-PCB-186	< 0.585	U	< 0.548	U
CL7-PCB-187	557		672	
CL7-PCB-188	K 1.78	U	K 0.548	U
CL7-PCB-189	14.3		22.6	
CL7-PCB-190	74.7		112	
CL7-PCB-191	17.9		23	
CL7-PCB-192	< 0.673	U	< 0.548	U
CL8-PCB-194	179		273	
CL8-PCB-195	67.3		101	
CL8-PCB-196	116		145	
CL8-PCB-197/200	40.8		48.4	
CL8-PCB-198/199	288		369	
CL8-PCB-201	31.6		37.6	
CL8-PCB-202	61.5		73.7	
CL8-PCB-203	157		209	
CL8-PCB-204	< 0.657	U	< 0.548	U
CL8-PCB-205	9.15		13.8	
CL9-PCB-206	118		170	
CL9-PCB-207	16.9		25.9	
CL9-PCB-208	37.4		53.3	
CL10-PCB-209	50.9		238	
Total PCBs	27800		34300	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-10. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in October and November 2009.

Locator	S070167		CS030	
Descrip	W Michigan Reg		Hanford #2 CSO	
Sampled	10/29/2009 4:37		11/6/2009 3:38	
KC Sample ID	L49416-2		L49556-3	
AXYS ID	L14028-15	validation	L14028-16	validation
WORKGROUP	WG31268	qualifier	WG31268	qualifier
Sample Size	0.901 L		0.841 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	6.14	U	77	
CL1-PCB-2	3.72	U	14.6	
CL1-PCB-3	K 5.85	U	43.7	
CL2-PCB-4	8.51		103	
CL2-PCB-5	< 2.03	U	< 4.93	U
CL2-PCB-6	K 5.99	U	63.8	
CL2-PCB-7	< 1.82	U	9.34	
CL2-PCB-8	23.4		168	
CL2-PCB-9	2.13		13.8	
CL2-PCB-10	< 1.48	U	K 4.61	U
CL2-PCB-11	134		378	
CL2-PCB-12/13	3.46		K 26	U
CL2-PCB-14	< 1.92	U	< 4.66	U
CL2-PCB-15	14.2		90.3	
CL3-PCB-16	19.9		102	
CL3-PCB-17	20.1		121	
CL3-PCB-18/30	34.2		218	
CL3-PCB-19	K 4.31	U	61.9	
CL3-PCB-20/28	75.2		460	
CL3-PCB-21/33	40.5		253	
CL3-PCB-22	29.7		177	
CL3-PCB-23	< 1.24	U	< 2.91	U
CL3-PCB-24	0.685		K 3.06	U
CL3-PCB-25	K 4.75	U	50.8	
CL3-PCB-26/29	11.6		67.5	
CL3-PCB-27	K 3.32	U	19.6	
CL3-PCB-31	61		724	
CL3-PCB-32	14.3		271	
CL3-PCB-34	< 1.2	U	< 2.82	U
CL3-PCB-35	5.54		22.5	
CL3-PCB-36	< 1.13	U	< 2.66	U
CL3-PCB-37	20.7		144	
CL3-PCB-38	< 1.23	U	< 2.88	U
CL3-PCB-39	< 1.23	U	< 2.89	U
CL4-PCB-40/41/71	49.1		331	
CL4-PCB-42	21.8		127	
CL4-PCB-43	K 2.87	U	15.2	
CL4-PCB-44/47/65	294		2510	
CL4-PCB-45/51	50.2		1130	
CL4-PCB-46	K 5.28	U	K 40.1	U
CL4-PCB-48	13.8		78.3	
CL4-PCB-49/69	62		811	
CL4-PCB-50/53	K 11.3	U	515	
CL4-PCB-52	170		986	

Table D-10. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in October and November 2009.

Locator	S070167		CS030	
Descrip	W Michigan Reg		Hanford #2 CSO	
Sampled	10/29/2009 4:37		11/6/2009 3:38	
KC Sample ID	L49416-2		L49556-3	
AXYS ID	L14028-15	validation	L14028-16	validation
WORKGROUP	WG31268	qualifier	WG31268	qualifier
Sample Size	0.901 L		0.841 L	
UNITS	pg/L		pg/L	
CL4-PCB-54	< 0.659	U	169	
CL4-PCB-55	< 2.35	U	< 4.88	U
CL4-PCB-56	46.2		289	
CL4-PCB-57	< 2.17	U	< 4.51	U
CL4-PCB-58	< 2.09	U	< 4.34	U
CL4-PCB-59/62/75	7.85		94.8	
CL4-PCB-60	24		156	
CL4-PCB-61/70/74/76	220		1150	
CL4-PCB-63	K 3.05	U	37.9	
CL4-PCB-64	43.8		220	
CL4-PCB-66	90.5		508	
CL4-PCB-67	K 1.92	U	16.2	
CL4-PCB-68	70.8		71.6	
CL4-PCB-72	< 1.98	U	7.19	
CL4-PCB-73	< 0.823	U	52.9	
CL4-PCB-77	16.1		90.4	
CL4-PCB-78	< 2.31	U	< 4.8	U
CL4-PCB-79	K 3.61	U	24.2	
CL4-PCB-80	< 2.14	U	< 4.45	U
CL4-PCB-81	< 2.2	U	K 4.79	U
CL5-PCB-82	K 39.5	U	216	
CL5-PCB-83/99	186		842	
CL5-PCB-84	89.4		408	
CL5-PCB-85/116/117	55.7		290	
CB-86/87/97/108/119/125	239		1210	
CL5-PCB-88/91	40.1		321	
CL5-PCB-89	3.31		K 16.2	U
CL5-PCB-90/101/113	330		1940	
CL5-PCB-92	62.3		363	
CL5-PCB-93/95/98/100/102	283		1620	
CL5-PCB-94	< 1.54	U	50.3	
CL5-PCB-96	K 1.7	U	21.6	
CL5-PCB-103	K 2.08	U	79.7	
CL5-PCB-104	< 0.881	U	K 41.4	U
CL5-PCB-105	108		568	
CL5-PCB-106	< 3.46	U	< 7.05	U
CL5-PCB-107/124	K 14.1	U	72.2	
CL5-PCB-109	19.4		126	
CL5-PCB-110/115	439		2220	
CL5-PCB-111	< 1.04	U	K 6.95	U
CL5-PCB-112	< 1.08	U	< 2.72	U
CL5-PCB-114	K 5.13	U	K 32.4	U
CL5-PCB-118	288		1390	
CL5-PCB-120	< 1.04	U	K 6.33	U

Table D-10. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in October and November 2009.

Locator	S070167		CS030	
Descrip	W Michigan Reg		Hanford #2 CSO	
Sampled	10/29/2009 4:37		11/6/2009 3:38	
KC Sample ID	L49416-2		L49556-3	
AXYS ID	L14028-15	validation	L14028-16	validation
WORKGROUP	WG31268	qualifier	WG31268	qualifier
Sample Size	0.901 L		0.841 L	
UNITS	pg/L		pg/L	
CL5-PCB-121	< 1.1	U	K 10.9	U
CL5-PCB-122	< 3.9	U	21.9	
CL5-PCB-123	K 7.3	U	K 21.5	U
CL5-PCB-126	< 3.84	U	K 13.2	U
CL5-PCB-127	< 3.74	U	< 7.61	U
CL6-PCB-128/166	117		664	
CL6-PCB-129/138/160/163	577		3720	
CL6-PCB-130	35.2		194	
CL6-PCB-131	6.05		36.2	
CL6-PCB-132	203		1240	
CL6-PCB-133	7.76		65	
CL6-PCB-134/143	30.9		166	
CL6-PCB-135/151/154	182		1140	
CL6-PCB-136	65.4		367	
CL6-PCB-137	K 28.4	U	126	
CL6-PCB-139/140	10.8		46	
CL6-PCB-141	104		728	
CL6-PCB-142	< 2.07	U	< 9.84	U
CL6-PCB-144	24.4		148	
CL6-PCB-145	< 1.15	U	< 2.08	U
CL6-PCB-146	74.6		507	
CL6-PCB-147/149	461		2810	
CL6-PCB-148	< 1.5	U	21.8	
CL6-PCB-150	< 1.12	U	16.5	
CL6-PCB-152	< 0.982	U	6.64	
CL6-PCB-153/168	427		2860	
CL6-PCB-155	1.83		6.6	
CL6-PCB-156/157	62.5		351	
CL6-PCB-158	56.7		351	
CL6-PCB-159	K 8.07	U	50.3	
CL6-PCB-161	< 1.4	U	< 6.65	U
CL6-PCB-162	< 1.42	U	11.5	
CL6-PCB-164	39.6		263	
CL6-PCB-165	< 1.64	U	< 7.8	U
CL6-PCB-167	23.1		125	
CL6-PCB-169	< 1.45	U	< 7.02	U
CL7-PCB-170	126		958	
CL7-PCB-171/173	37.4		328	
CL7-PCB-172	23.3		189	
CL7-PCB-174	133		1020	
CL7-PCB-175	K 5.55	U	42.6	
CL7-PCB-176	15.4		126	
CL7-PCB-177	103		732	
CL7-PCB-178	26.5		207	

Table D-10. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in October and November 2009.

Locator	S070167		CS030	
Descrip	W Michigan Reg		Hanford #2 CSO	
Sampled	10/29/2009 4:37		11/6/2009 3:38	
KC Sample ID	L49416-2		L49556-3	
AXYS ID	L14028-15	validation qualifier	L14028-16	validation qualifier
WORKGROUP	WG31268		WG31268	
Sample Size	0.901 L		0.841 L	
UNITS	pg/L		pg/L	
CL7-PCB-179	56.5		413	
CL7-PCB-180/193	292		2340	
CL7-PCB-181	K 2.62	U	K 8.06	U
CL7-PCB-182	< 1.25	U	K 6.18	U
CL7-PCB-183/185	94.8		782	
CL7-PCB-184	K 2.85	U	4.49	
CL7-PCB-186	< 1.02	U	< 1.74	U
CL7-PCB-187	192		1590	
CL7-PCB-188	< 0.91	U	8.28	
CL7-PCB-189	K 5.95	U	34.1	
CL7-PCB-190	25.5		199	
CL7-PCB-191	K 6.07	U	46.2	
CL7-PCB-192	< 1.11	U	< 1.89	U
CL8-PCB-194	93.9		636	
CL8-PCB-195	34.6		218	
CL8-PCB-196	40.7		316	
CL8-PCB-197/200	14.1		104	
CL8-PCB-198/199	115		918	
CL8-PCB-201	9.97		83.2	
CL8-PCB-202	K 28.8	U	194	
CL8-PCB-203	62		512	
CL8-PCB-204	< 1.41	U	< 1.78	U
CL8-PCB-205	5.32		27.3	
CL9-PCB-206	71.6		475	
CL9-PCB-207	8.35		66.3	
CL9-PCB-208	23.3		134	
CL10-PCB-209	52.5		159	
Total PCBs	8010		53700	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-11. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in December 2009 and January 2010.

Locator	CS030		63053	
Descrip	Hanford #2 CSO		Brandon St. CSO	
Sampled	12/21/2009 9:04		1/4/2010 9:17	
KC Sample ID	L49832-1		L49844-1	
AXYS ID	L14101-1 i (A)	validation	L14101-2 (A)	validation
WORKGROUP	WG31611	qualifier	WG31611	qualifier
Sample Size	0.958 L		0.938 L	
UNITS	pg/L		pg/L	
CL1-PCB-1	11.1	J	4.56	U
CL1-PCB-2	2.85	J	1.98	UJ
CL1-PCB-3	K 4.25	UJ	3.37	
CL2-PCB-4	176		46.5	
CL2-PCB-5	< 1.47	U	< 2.11	U
CL2-PCB-6	44.1	J	16.7	
CL2-PCB-7	3.73		3.38	
CL2-PCB-8	125		75.2	
CL2-PCB-9	8.37		4.55	
CL2-PCB-10	6.38		2.41	
CL2-PCB-11	107		196	
CL2-PCB-12/13	15.6		11.1	
CL2-PCB-14	< 1.34	U	< 1.91	U
CL2-PCB-15	79.6		75	
CL3-PCB-16	114		103	
CL3-PCB-17	127		93.9	
CL3-PCB-18/30	262		199	
CL3-PCB-19	59.8		29.7	
CL3-PCB-20/28	319		368	
CL3-PCB-21/33	168		177	
CL3-PCB-22	130		146	
CL3-PCB-23	< 1.01	U	< 0.942	U
CL3-PCB-24	3.15		K 4.16	U
CL3-PCB-25	37.3		25.3	
CL3-PCB-26/29	65.5		61.4	
CL3-PCB-27	21.9		17.3	
CL3-PCB-31	416		295	
CL3-PCB-32	127		73.7	
CL3-PCB-34	1.25		1.12	
CL3-PCB-35	8.68		17.9	
CL3-PCB-36	< 0.894	U	2.96	
CL3-PCB-37	108		125	
CL3-PCB-38	< 0.921	U	< 0.848	U
CL3-PCB-39	< 0.897	U	< 0.838	U
CL4-PCB-40/41/71	233		273	
CL4-PCB-42	85.4		118	
CL4-PCB-43	15.3		17.3	
CL4-PCB-44/47/65	873		637	
CL4-PCB-45/51	364		87.3	
CL4-PCB-46	33.9		27.2	
CL4-PCB-48	64.7		82.3	
CL4-PCB-49/69	420		323	
CL4-PCB-50/53	341		67.1	

Table D-11. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in December 2009 and January 2010.

Locator	CS030		63053	
Descrip	Hanford #2 CSO		Brandon St. CSO	
Sampled	12/21/2009 9:04		1/4/2010 9:17	
KC Sample ID	L49832-1		L49844-1	
AXYS ID	L14101-1 i (A)	validation	L14101-2 (A)	validation
WORKGROUP	WG31611	qualifier	WG31611	qualifier
Sample Size	0.958 L		0.938 L	
UNITS	pg/L		pg/L	
CL4-PCB-52	639		1000	
CL4-PCB-54	54.6		1.11	
CL4-PCB-55	7.95		11	
CL4-PCB-56	149		244	
CL4-PCB-57	< 1.21	U	2.03	
CL4-PCB-58	< 1.26	U	< 1.35	U
CL4-PCB-59/62/75	38.7		39	
CL4-PCB-60	83.3		119	
CL4-PCB-61/70/74/76	561		1300	
CL4-PCB-63	13.6		19.2	
CL4-PCB-64	137		240	
CL4-PCB-66	267		464	
CL4-PCB-67	10.2		16.1	
CL4-PCB-68	38.1		12.6	J
CL4-PCB-72	4.41		5.21	
CL4-PCB-73	16.4		< 0.644	U
CL4-PCB-77	42.6		108	
CL4-PCB-78	< 1.21	U	< 1.3	U
CL4-PCB-79	6.63		19.8	
CL4-PCB-80	< 1.11	U	< 1.19	U
CL4-PCB-81	K 1.91	U	K 3.06	U
CL5-PCB-82	83.5		317	
CL5-PCB-83/99	354		1250	
CL5-PCB-84	159		628	
CL5-PCB-85/116/117	113		436	
CB-86/87/97/108/119/125	463		1850	
CL5-PCB-88/91	169		288	
CL5-PCB-89	7.78		21	
CL5-PCB-90/101/113	777		2520	
CL5-PCB-92	162		432	
CL5-PCB-93/95/98/100/102	650		1830	
CL5-PCB-94	26.1		8.26	
CL5-PCB-96	19.3		10.9	
CL5-PCB-103	26.4		9.26	
CL5-PCB-104	5.89		< 0.931	U
CL5-PCB-105	238		936	
CL5-PCB-106	< 1.96	U	< 3.19	U
CL5-PCB-107/124	25.2		116	
CL5-PCB-109	44.3		163	
CL5-PCB-110/115	848		3290	
CL5-PCB-111	K 1.66	U	< 1.55	U
CL5-PCB-112	< 0.864	U	< 1.48	U
CL5-PCB-114	14.7		47.8	

Table D-11. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in December 2009 and January 2010.

Locator	CS030		63053	
Descrip	Hanford #2 CSO		Brandon St. CSO	
Sampled	12/21/2009 9:04		1/4/2010 9:17	
KC Sample ID	L49832-1		L49844-1	
AXYS ID	L14101-1 i (A)	validation	L14101-2 (A)	validation
WORKGROUP	WG31611	qualifier	WG31611	qualifier
Sample Size	0.958 L		0.938 L	
UNITS	pg/L		pg/L	
CL5-PCB-118	565		2250	
CL5-PCB-120	3.41		4.73	
CL5-PCB-121	1.71		< 1.54	U
CL5-PCB-122	8.6		34.6	
CL5-PCB-123	9.16		36.6	
CL5-PCB-126	4.97		22	
CL5-PCB-127	< 2.03	U	< 3.04	U
CL6-PCB-128/166	158		622	
CL6-PCB-129/138/160/163	1360		3440	
CL6-PCB-130	77.1		229	
CL6-PCB-131	13.7		47.8	
CL6-PCB-132	430		1200	
CL6-PCB-133	23.6		39.1	
CL6-PCB-134/143	57.7		179	
CL6-PCB-135/151/154	491		868	
CL6-PCB-136	158		335	
CL6-PCB-137	43.1		189	
CL6-PCB-139/140	17.7		58.7	
CL6-PCB-141	259		605	
CL6-PCB-142	< 2.44	U	< 3.73	U
CL6-PCB-144	58		130	
CL6-PCB-145	< 0.682	U	< 0.883	U
CL6-PCB-146	212		408	
CL6-PCB-147/149	1100		2190	
CL6-PCB-148	5.82		2.57	
CL6-PCB-150	7.46		4.41	
CL6-PCB-152	K 3.9	U	3.5	
CL6-PCB-153/168	1210		2240	
CL6-PCB-155	1.55		< 0.744	U
CL6-PCB-156/157	141		456	
CL6-PCB-158	127		378	
CL6-PCB-159	25		28.1	
CL6-PCB-161	< 1.71	U	< 2.45	U
CL6-PCB-162	3.95		11.1	
CL6-PCB-164	60.8	J	241	
CL6-PCB-165	< 1.96	U	< 2.86	U
CL6-PCB-167	52.7		156	
CL6-PCB-169	< 2.03	U	< 2.76	U
CL7-PCB-170	493		617	
CL7-PCB-171/173	146		195	
CL7-PCB-172	84.7		109	
CL7-PCB-174	466		606	
CL7-PCB-175	18.7		25.8	

Table D-11. CSO and CSO like PCB Congener Composite Data Results for Samples Collected in December 2009 and January 2010.

Locator	CS030		63053	
Descrip	Hanford #2 CSO		Brandon St. CSO	
Sampled	12/21/2009 9:04		1/4/2010 9:17	
KC Sample ID	L49832-1		L49844-1	
AXYS ID	L14101-1 i (A)	validation	L14101-2 (A)	validation
WORKGROUP	WG31611	qualifier	WG31611	qualifier
Sample Size	0.958 L		0.938 L	
UNITS	pg/L		pg/L	
CL7-PCB-176	56.7		75.1	
CL7-PCB-177	276		350	
CL7-PCB-178	90.9		114	
CL7-PCB-179	177		221	
CL7-PCB-180/193	1110		1280	
CL7-PCB-181	4.03		10.1	
CL7-PCB-182	3.11		K 5.27	U
CL7-PCB-183/185	346		416	
CL7-PCB-184	3.07		K 1.43	U
CL7-PCB-186	< 0.684	U	< 0.925	U
CL7-PCB-187	570		694	
CL7-PCB-188	K 2	U	1.99	
CL7-PCB-189	15.8		22	
CL7-PCB-190	101		120	
CL7-PCB-191	20.3		26.5	
CL7-PCB-192	< 0.735	U	< 1.01	U
CL8-PCB-194	221		265	
CL8-PCB-195	89.6		95.7	
CL8-PCB-196	126		149	
CL8-PCB-197/200	41.6		54	
CL8-PCB-198/199	263		334	
CL8-PCB-201	32.7		44.8	
CL8-PCB-202	52.5		76.9	
CL8-PCB-203	168		220	
CL8-PCB-204	9.35	U	19.9	UJ
CL8-PCB-205	12		13.7	
CL9-PCB-206	94.3		163	
CL9-PCB-207	12.9		23.6	
CL9-PCB-208	28.1		49.2	
CL10-PCB-209	48.4		86.4	
Total PCBs	23100	J	44400	J

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-12. Field Blank PCB Congener Sample Data Results Associated with CSO and CSO-like Composite Sampling Equipment.

Collection Location	DUWAMISH SIPHON FOREBAY		MICHIGAN STREET REG		DUWAMISH SIPHON FOREBAY	
Descrip	FIELD BLANK		FIELD BLANK		FIELD BLANK	
Sampled	05/24/07 11:30:00 AM		09/13/07 4:25:00 PM		10/19/07 11:10:00 AM	
KC Sample ID	L42798-1		L43912-1		L44132-1	
AXYS ID	L10318-1		L10445-1		L10719-1	
WORKGROUP	WG23202	validation qualifier	WG23448	validation qualifier	WG24297	validation qualifier
Sample Size	0.823 L		0.929 L		0.934 L	
UNITS	pg/L		pg/L		pg/L	
CL1-PCB-1	K 1.26	U	1.86		3.33	UJ
CL1-PCB-2	< 1.47	U	K 0.745	U	K 1.81	UJ
CL1-PCB-3	K 7.80	U	K 2.55	U	3.03	U
CL2-PCB-4	< 2.49	U	K 5.29	U	4.68	
CL2-PCB-5	< 1.79	U	< 1.68	U	< 1.75	U
CL2-PCB-6	< 1.62	U	K 2.73	U	2.03	
CL2-PCB-7	< 1.66	U	2.95	U	3.42	U
CL2-PCB-8	4.45		7.65	U	10.1	
CL2-PCB-9	< 1.59	U	< 1.52	U	< 1.57	U
CL2-PCB-10	< 1.62	U	< 1.60	U	< 1.61	U
CL2-PCB-11	K 13.6	U	20.8	U	13.5	U
CL2-PCB-12/13	< 1.76	U	< 1.67	U	< 1.65	U
CL2-PCB-14	< 1.70	U	< 1.58	U	< 1.63	U
CL2-PCB-15	< 1.83	U	K 4.24	U	5.77	
CL3-PCB-16	2.46		4.15	U	3.89	
CL3-PCB-17	K 2.47	U	5.01	U	3.59	U
CL3-PCB-18/30	4.56	U	8.25	U	6.51	U
CL3-PCB-19	1.15		2.39	U	1.82	
CL3-PCB-20/28	7.59	U	11.9	U	11.4	U
CL3-PCB-21/33	3.91	U	K 8.81	U	7.92	
CL3-PCB-22	2.85	U	4.36	U	4.49	U
CL3-PCB-23	< 0.736	U	< 0.594	U	< 0.535	U
CL3-PCB-24	< 0.608	U	< 0.544	U	< 0.535	U
CL3-PCB-25	< 0.608	U	K 1.01	U	1.08	
CL3-PCB-26/29	1.78	U	K 1.82	U	1.9	U
CL3-PCB-27	K 0.650	U	K 0.817	U	< 0.535	U
CL3-PCB-31	5.63	U	8.38	U	8.85	U
CL3-PCB-32	1.58	U	2.84	U	2.13	
CL3-PCB-34	< 0.713	U	< 0.570	U	< 0.535	U
CL3-PCB-35	< 0.778	U	< 0.608	U	0.675	
CL3-PCB-36	< 0.686	U	< 0.567	U	< 0.535	U
CL3-PCB-37	2.26	U	K 3.59	U	4.44	
CL3-PCB-38	< 0.724	U	< 0.579	U	< 0.535	U
CL3-PCB-39	< 0.700	U	< 0.554	U	< 0.535	U
CL4-PCB-40/41/71	3.13	U	5.29	U	K 3.54	U
CL4-PCB-42	1.38	U	K 3.05	U	K 1.77	U
CL4-PCB-43	< 0.698	U	< 0.666	U	< 0.535	U
CL4-PCB-44/47/65	14.9	U	76.8		62.1	
CL4-PCB-45/51	4.06	U	46.6		44	
CL4-PCB-46	< 0.675	U	< 0.648	U	K 0.607	U
CL4-PCB-48	1.13	U	2.23		K 1.28	U
CL4-PCB-49/69	2.96	U	K 6.64	U	4.89	U
CL4-PCB-50/53	1.08	U	K 1.52	U	1.42	
CL4-PCB-52	7.12	U	8.72	U	7.27	U

Table D-12. Field Blank PCB Congener Sample Data Results Associated with CSO and CSO-like Composite Sampling Equipment.

Collection Location	DUWAMISH SIPHON FOREBAY		MICHIGAN STREET REG		DUWAMISH SIPHON FOREBAY	
Descrip	FIELD BLANK		FIELD BLANK		FIELD BLANK	
Sampled	05/24/07 11:30:00 AM		09/13/07 4:25:00 PM		10/19/07 11:10:00 AM	
KC Sample ID	L42798-1		L43912-1		L44132-1	
AXYS ID	L10318-1	validation qualifier	L10445-1	validation qualifier	L10719-1	validation qualifier
WORKGROUP	WG23202		WG23448		WG24297	
Sample Size	0.823 L		0.929 L		0.934 L	
UNITS	pg/L		pg/L		pg/L	
CL4-PCB-54	< 0.608	U	< 0.538	U	K 0.731	U
CL4-PCB-55	< 1.01	U	< 0.851	U	< 0.648	U
CL4-PCB-56	2	U	1.98	U	K 2.18	U
CL4-PCB-57	< 0.888	U	< 0.794	U	< 0.644	U
CL4-PCB-58	< 0.904	U	< 0.807	U	< 0.668	U
CL4-PCB-59/62/75	< 0.608	U	K 0.951	U	0.715	
CL4-PCB-60	< 0.995	U	1.61		1.64	
CL4-PCB-61/70/74/76	7.6	U	11.2	U	8.81	U
CL4-PCB-63	< 0.880	U	< 0.762	U	< 0.610	U
CL4-PCB-64	2.13		3.52	U	2.22	U
CL4-PCB-66	3.94	U	5.07	U	4.68	U
CL4-PCB-67	< 0.775	U	< 0.688	U	< 0.571	U
CL4-PCB-68	K 1.26	U	18.4		10.4	
CL4-PCB-72	< 0.850	U	< 0.754	U	< 0.619	U
CL4-PCB-73	< 0.608	U	< 0.538	U	< 0.535	U
CL4-PCB-77	K 1.34	U	K 1.27	U	1.33	
CL4-PCB-78	< 0.979	U	< 0.840	U	< 0.655	U
CL4-PCB-79	< 0.829	U	< 0.701	U	< 0.560	U
CL4-PCB-80	< 0.854	U	< 0.732	U	< 0.580	U
CL4-PCB-81	< 0.939	U	< 0.916	U	< 0.680	U
CL5-PCB-82	0.852		1.57		1.2	U
CL5-PCB-83/99	3	U	4.41	U	3.36	U
CL5-PCB-84	K 1.03	U	1.68		2.09	U
CL5-PCB-85/116/117	0.944	U	1.75	U	1.92	U
CB-86/87/97/108/119/125	3.78	U	5.03	U	6.19	U
CL5-PCB-88/91	< 0.695	U	K 0.648	U	K 1.55	U
CL5-PCB-89	< 0.739	U	< 0.684	U	< 0.535	U
CL5-PCB-90/101/113	4.36	U	4.78	U	6.02	U
CL5-PCB-92	0.714		1.01		1.15	U
CL5-PCB-93/95/98/100/102	4.61	U	K 5.90	U	K 6.60	U
CL5-PCB-94	< 0.730	U	< 0.697	U	< 0.535	U
CL5-PCB-96	< 0.608	U	< 0.538	U	< 0.535	U
CL5-PCB-103	< 0.608	U	< 0.569	U	< 0.535	U
CL5-PCB-104	< 0.608	U	< 0.538	U	< 0.535	U
CL5-PCB-105	K 2.23	U	2.49	U	K 3.01	U
CL5-PCB-106	< 0.935	U	< 0.736	U	< 0.535	U
CL5-PCB-107/124	< 0.989	U	< 0.781	U	0.685	
CL5-PCB-109	< 0.867	U	< 0.690	U	< 0.535	U
CL5-PCB-110/115	5.96	U	5.88	U	8.24	U
CL5-PCB-111	< 0.608	U	< 0.538	U	< 0.535	U
CL5-PCB-112	< 0.608	U	< 0.538	U	< 0.535	U
CL5-PCB-114	< 0.970	U	< 0.792	U	< 0.535	U
CL5-PCB-118	4.96	U	5.27	U	6.53	U
CL5-PCB-120	< 0.608	U	< 0.538	U	< 0.535	U

Table D-12. Field Blank PCB Congener Sample Data Results Associated with CSO and CSO-like Composite Sampling Equipment.

Collection Location	DUWAMISH SIPHON FOREBAY		MICHIGAN STREET REG		DUWAMISH SIPHON FOREBAY	
Descrip	FIELD BLANK		FIELD BLANK		FIELD BLANK	
Sampled	05/24/07 11:30:00 AM		09/13/07 4:25:00 PM		10/19/07 11:10:00 AM	
KC Sample ID	L42798-1		L43912-1		L44132-1	
AXYS ID	L10318-1	validation qualifier	L10445-1	validation qualifier	L10719-1	validation qualifier
WORKGROUP	WG23202		WG23448		WG24297	
Sample Size	0.823 L		0.929 L		0.934 L	
UNITS	pg/L		pg/L		pg/L	
CL5-PCB-121	< 0.608	U	< 0.538	U	< 0.535	U
CL5-PCB-122	< 1.07	U	< 0.829	U	< 0.535	U
CL5-PCB-123	< 0.993	U	< 0.820	U	< 0.535	U
CL5-PCB-126	< 1.06	U	< 0.901	U	< 0.535	U
CL5-PCB-127	< 1.02	U	< 0.772	U	< 0.535	U
CL6-PCB-128/166	1.32	U	< 0.755	U	2.47	U
CL6-PCB-129/138/160/163	6.58	U	6.61	U	5.89	U
CL6-PCB-130	< 1.66	U	< 0.943	U	< 0.535	U
CL6-PCB-131	< 1.59	U	< 0.879	U	< 0.535	U
CL6-PCB-132	2.03	U	K 2.01	U	2.78	U
CL6-PCB-133	< 1.50	U	< 0.865	U	< 0.535	U
CL6-PCB-134/143	K 4.97	U	< 0.865	U	0.59	U
CL6-PCB-135/151/154	K 14.5	U	1.74	U	K 2.68	U
CL6-PCB-136	< 0.608	U	K 0.703	U	K 1.05	U
CL6-PCB-137	< 1.61	U	< 0.840	U	0.721	U
CL6-PCB-139/140	< 1.37	U	< 0.786	U	< 0.535	U
CL6-PCB-141	< 1.44	U	0.806	U	K 1.49	U
CL6-PCB-142	< 1.53	U	< 0.905	U	< 0.535	U
CL6-PCB-144	K 7.19	U	< 0.538	U	< 0.535	U
CL6-PCB-145	< 0.608	U	< 0.538	U	< 0.535	U
CL6-PCB-146	< 1.31	U	1.42	U	1.16	U
CL6-PCB-147/149	K 11.9	U	3.91	U	5.44	U
CL6-PCB-148	< 0.608	U	< 0.538	U	< 0.535	U
CL6-PCB-150	< 0.608	U	< 0.538	U	< 0.535	U
CL6-PCB-152	< 0.608	U	< 0.538	U	< 0.535	U
CL6-PCB-153/168	4.51	U	4.61	U	5.29	U
CL6-PCB-155	< 0.608	U	< 0.538	U	< 0.535	U
CL6-PCB-156/157	< 1.51	U	2.15	U	1.53	U
CL6-PCB-158	< 1.01	U	K 0.627	U	0.879	U
CL6-PCB-159	< 1.09	U	< 0.620	U	< 0.535	U
CL6-PCB-161	< 1.07	U	< 0.581	U	< 0.535	U
CL6-PCB-162	< 1.14	U	< 0.634	U	< 0.535	U
CL6-PCB-164	< 1.05	U	< 0.640	U	< 0.535	U
CL6-PCB-165	< 1.21	U	< 0.703	U	< 0.535	U
CL6-PCB-167	< 1.01	U	< 0.603	U	< 0.535	U
CL6-PCB-169	< 1.15	U	< 0.679	U	< 0.535	U
CL7-PCB-170	1.92	U	3.02	U	K 1.42	U
CL7-PCB-171/173	0.658	U	< 0.724	U	< 0.535	U
CL7-PCB-172	< 0.608	U	< 0.754	U	< 0.535	U
CL7-PCB-174	1.59	U	K 1.37	U	1.07	U
CL7-PCB-175	< 0.608	U	< 0.641	U	< 0.535	U
CL7-PCB-176	< 0.608	U	< 0.538	U	< 0.535	U
CL7-PCB-177	0.895	U	K 0.724	U	K 1.28	U
CL7-PCB-178	< 0.608	U	< 0.676	U	< 0.535	U

Table D-12. Field Blank PCB Congener Sample Data Results Associated with CSO and CSO-like Composite Sampling Equipment.

Collection Location	DUWAMISH SIPHON FOREBAY		MICHIGAN STREET REG		DUWAMISH SIPHON FOREBAY	
Descrip	FIELD BLANK		FIELD BLANK		FIELD BLANK	
Sampled	05/24/07 11:30:00 AM		09/13/07 4:25:00 PM		10/19/07 11:10:00 AM	
KC Sample ID	L42798-1		L43912-1		L44132-1	
AXYS ID	L10318-1	validation	L10445-1	validation	L10719-1	validation
WORKGROUP	WG23202	qualifier	WG23448	qualifier	WG24297	qualifier
Sample Size	0.823 L		0.929 L		0.934 L	
UNITS	pg/L		pg/L		pg/L	
CL7-PCB-179	< 0.608	U	< 0.538	U	1.41	U
CL7-PCB-180/193	K 3.79	U	3.72	U	2.71	U
CL7-PCB-181	< 0.608	U	< 0.703	U	< 0.535	U
CL7-PCB-182	< 0.608	U	< 0.642	U	< 0.535	U
CL7-PCB-183/185	0.987	U	K 1.19	U	1.51	U
CL7-PCB-184	< 0.608	U	< 0.538	U	< 0.535	U
CL7-PCB-186	< 0.608	U	< 0.538	U	< 0.535	U
CL7-PCB-187	3.13	U	4.91	U	26.2	
CL7-PCB-188	< 0.608	U	< 0.538	U	< 0.535	U
CL7-PCB-189	< 0.608	U	< 0.538	U	< 0.535	U
CL7-PCB-190	< 0.608	U	< 0.546	U	< 0.535	U
CL7-PCB-191	< 0.608	U	< 0.551	U	< 0.535	U
CL7-PCB-192	< 0.608	U	< 0.606	U	< 0.535	U
CL8-PCB-194	0.993	U	K 0.888	U	0.744	U
CL8-PCB-195	< 0.608	U	< 0.558	U	< 0.535	U
CL8-PCB-196	0.683	U	< 0.569	U	< 0.535	U
CL8-PCB-197/200	0.658	U	< 0.538	U	< 0.535	U
CL8-PCB-198/199	2.01	U	K 1.88	U	3.03	U
CL8-PCB-201	< 0.608	U	< 0.538	U	0.609	
CL8-PCB-202	< 0.608	U	< 0.538	U	0.591	
CL8-PCB-203	K 0.950	U	K 0.734	U	3.63	
CL8-PCB-204	< 0.608	U	< 0.538	U	K 1.07	U
CL8-PCB-205	< 0.608	U	< 0.538	U	< 0.535	U
CL9-PCB-206	< 3.34	U	< 2.38	U	K 1.03	U
CL9-PCB-207	< 2.18	U	< 1.80	U	< 0.722	U
CL9-PCB-208	< 2.30	U	< 1.94	U	< 0.771	U
CL10-PCB-209	8.63	U	1.22		1.53	U
Total PCBs	12		151		199	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-12. Field Blank PCB Congener Sample Data Results Associated with CSO and CSO-like Composite Sampling Equipment.

Collection Location	HANFORD #2 CSO		LANDER II REG		Kingdome Reg	
Descrip	FIELD BLANK		FIELD BLANK		FIELD BLANK	
Sampled	01/28/08 11:50:00 AM		06/05/08 10:20:00 AM		6/11/2009 10:45:00 AM	
KC Sample ID	L44913-1		L45805-1		L48336-1	
AXYS ID	L11268-2		L11659-1		L13358-1	
WORKGROUP	WG25565	validation	WG26133	validation	WG29960	validation
Sample Size	0.929 L	qualifier	0.890 L	qualifier	0.872 L	qualifier
UNITS	pg/L		pg/L		pg/L	
CL1-PCB-1	K 0.922	U	K 2.08	U	9.05	
CL1-PCB-2	0.856		< 1.81	U	0.886	
CL1-PCB-3	K 0.916	U	2.12		8.81	U
CL2-PCB-4	1.98		K 4.70	U	6.81	U
CL2-PCB-5	< 0.710	U	< 2.78	U	<2.46	U
CL2-PCB-6	K 0.916	U	< 2.57	U	< 2.26	U
CL2-PCB-7	1.55		< 2.70	U	< 2.29	U
CL2-PCB-8	3		K 6.60	U	K 6.27	U
CL2-PCB-9	< 0.614	U	< 2.59	U	< 2.2	U
CL2-PCB-10	< 0.584	U	< 2.63	U	< 2.01	U
CL2-PCB-11	8.18	U	13.5	U	K 13.2	U
CL2-PCB-12/13	< 0.683	U	< 2.75	U	< 2.48	U
CL2-PCB-14	< 0.647	U	< 2.61	U	< 2.37	U
CL2-PCB-15	K 0.818	U	K 3.65	U	K 4.32	U
CL3-PCB-16	K 1.82	U	K 3.80	U	< 0.675	U
CL3-PCB-17	3.11		K 4.19	U	K 0.781	U
CL3-PCB-18/30	2.67	U	6.06	U	3.34	U
CL3-PCB-19	< 0.539	U	< 2.08	U	5.15	
CL3-PCB-20/28	3.26	U	8.64	U	5.02	U
CL3-PCB-21/33	K 5.04	U	8.08	U	1.94	U
CL3-PCB-22	K 1.57	U	3.65	U	< 0.767	U
CL3-PCB-23	< 0.539	U	< 1.62	U	K 2.2	U
CL3-PCB-24	< 0.539	U	< 1.37	U	< 0.573	U
CL3-PCB-25	K 0.834	U	K 1.52	U	< 0.584	U
CL3-PCB-26/29	K 0.680	U	1.7		K 0.661	U
CL3-PCB-27	< 0.539	U	< 1.27	U	< 0.573	U
CL3-PCB-31	2.55	U	7.66	U	4.2	U
CL3-PCB-32	K 1.05	U	1.93		< 0.65	U
CL3-PCB-34	< 0.539	U	< 1.51	U	K 1.84	U
CL3-PCB-35	< 0.539	U	< 1.55	U	< 0.785	U
CL3-PCB-36	< 0.539	U	< 1.44	U	< 0.679	U
CL3-PCB-37	0.772		2.21	U	1.26	U
CL3-PCB-38	< 0.539	U	< 1.50	U	< 0.689	U
CL3-PCB-39	< 0.539	U	< 1.44	U	< 0.688	U
CL4-PCB-40/41/71	2.06		4.75	U	1.24	U
CL4-PCB-42	4.12		3.22	U	< 0.617	U
CL4-PCB-43	< 0.539	U	< 1.24	U	< 0.714	U
CL4-PCB-44/47/65	375		356		17.3	
CL4-PCB-45/51	161		92.4		21.8	
CL4-PCB-46	K 0.838	U	< 1.13	U	< 0.665	U
CL4-PCB-48	< 0.539	U	K 1.81	U	< 0.596	U
CL4-PCB-49/69	12.3		13.4		2.88	U
CL4-PCB-50/53	K 1.65	U	2.99		< 0.573	U
CL4-PCB-52	6.37		23.9		5.37	U

Table D-12. Field Blank PCB Congener Sample Data Results Associated with CSO and CSO-like Composite Sampling Equipment.

Collection Location	HANFORD #2 CSO		LANDER II REG		Kingdome Reg	
Descrip	FIELDBLANK		FIELDBLANK		FIELDBLANK	
Sampled	01/28/08 11:50:00 AM		06/05/08 10:20:00 AM		6/11/2009 10:45:00 AM	
KC Sample ID	L44913-1		L45805-1		L48336-1	
AXYS ID	L11268-2		L11659-1		L13358-1	
WORKGROUP	WG25565	validation	WG26133	validation	WG29960	validation
Sample Size	0.929 L	qualifier	0.890 L	qualifier	0.872 L	qualifier
UNITS	pg/L		pg/L		pg/L	
CL4-PCB-54	< 0.539	U	< 0.793	U	K 3.71	U
CL4-PCB-55	< 0.539	U	< 0.847	U	< 0.595	U
CL4-PCB-56	0.741		6.11		K 0.984	U
CL4-PCB-57	< 0.539	U	< 0.787	U	< 0.573	U
CL4-PCB-58	< 0.539	U	< 0.798	U	< 0.573	U
CL4-PCB-59/62/75	< 0.539	U	< 0.722	U	< 0.573	U
CL4-PCB-60	< 0.539	U	2.99	U	< 0.579	U
CL4-PCB-61/70/74/76	5	U	31.7		3.84	U
CL4-PCB-63	< 0.539	U	< 0.752	U	< 0.573	U
CL4-PCB-64	K 1.18	U	5.34		0.751	
CL4-PCB-66	2.56	U	10.3	U	K 1.82	U
CL4-PCB-67	< 0.539	U	< 0.713	U	< 0.573	U
CL4-PCB-68	69		52.6		K 4.78	U
CL4-PCB-72	< 0.539	U	< 0.758	U	< 0.573	U
CL4-PCB-73	< 0.539	U	< 0.716	U	< 0.573	U
CL4-PCB-77	< 0.539	U	1.34	U	K 0.697	U
CL4-PCB-78	< 0.539	U	< 0.806	U	< 0.577	U
CL4-PCB-79	< 0.539	U	< 0.700	U	< 0.573	U
CL4-PCB-80	< 0.539	U	< 0.719	U	< 0.573	U
CL4-PCB-81	< 0.539	U	< 0.763	U	< 0.573	U
CL5-PCB-82	K 0.619	U	7.32		< 0.697	U
CL5-PCB-83/99	K 2.98	U	23.5		K 2.84	U
CL5-PCB-84	1.51		16.5		1.04	
CL5-PCB-85/116/117	1.12		9.73		K 0.604	U
CB-86/87/97/108/119/125	4.38	U	42.9		K 2.82	U
CL5-PCB-88/91	K 1.23	U	K 8.19	U	< 0.625	U
CL5-PCB-89	< 0.539	U	< 1.58	U	< 0.649	U
CL5-PCB-90/101/113	4.84	U	47.6		4.37	U
CL5-PCB-92	K 0.784	U	8.05		K 0.966	U
CL5-PCB-93/95/98/100/102	4.87	U	46		3.85	U
CL5-PCB-94	< 0.539	U	< 1.65	U	< 0.685	U
CL5-PCB-96	< 0.539	U	< 0.911	U	< 0.573	U
CL5-PCB-103	< 0.539	U	< 1.32	U	< 0.573	U
CL5-PCB-104	< 0.682	U	< 0.943	U	1.38	
CL5-PCB-105	K 2.00	U	18.1		K 0.614	U
CL5-PCB-106	< 0.539	U	< 1.11	U	< 0.643	U
CL5-PCB-107/124	< 0.539	U	2.18		< 0.659	U
CL5-PCB-109	< 0.539	U	K 2.44	U	< 0.603	U
CL5-PCB-110/115	5.67		68.6		4.02	U
CL5-PCB-111	< 0.539	U	< 1.14	U	< 0.573	U
CL5-PCB-112	< 0.539	U	< 1.07	U	< 0.573	U
CL5-PCB-114	< 0.539	U	K 1.37	U	< 0.573	U
CL5-PCB-118	K 4.03	U	37.5		K 1.85	U
CL5-PCB-120	< 0.539	U	< 1.05	U	< 0.573	U

Table D-12. Field Blank PCB Congener Sample Data Results Associated with CSO and CSO-like Composite Sampling Equipment.

Collection Location	HANFORD #2 CSO		LANDER II REG		Kingdome Reg	
Descrip	FIELD BLANK		FIELD BLANK		FIELD BLANK	
Sampled	01/28/08 11:50:00 AM		06/05/08 10:20:00 AM		6/11/2009 10:45:00 AM	
KC Sample ID	L44913-1		L45805-1		L48336-1	
AXYS ID	L11268-2		L11659-1		L13358-1	
WORKGROUP	WG25565	validation	WG26133	validation	WG29960	validation
Sample Size	0.929 L	qualifier	0.890 L	qualifier	0.872 L	qualifier
UNITS	pg/L		pg/L		pg/L	
CL5-PCB-121	< 0.539	U	< 1.15	U	< 0.573	U
CL5-PCB-122	< 0.539	U	< 1.23	U	< 0.689	U
CL5-PCB-123	< 0.539	U	< 1.12	U	< 0.573	U
CL5-PCB-126	< 0.539	U	< 1.04	U	< 0.59	U
CL5-PCB-127	< 0.539	U	< 1.10	U	< 0.656	U
CL6-PCB-128/166	1.09		6.64		< 0.788	U
CL6-PCB-129/138/160/163	5.37		39.3		K 3.7	U
CL6-PCB-130	< 0.539	U	2.88		< 1.01	U
CL6-PCB-131	< 0.539	U	K 1.08	U	< 0.95	U
CL6-PCB-132	1.83		17.5		< 0.999	U
CL6-PCB-133	< 0.539	U	< 0.864	U	< 0.937	U
CL6-PCB-134/143	< 0.539	U	K 2.49	U	< 0.94	U
CL6-PCB-135/151/154	1.29		12.2		K 1.47	U
CL6-PCB-136	< 0.539	U	6.53		< 0.596	U
CL6-PCB-137	< 0.539	U	K 2.14	U	< 0.963	U
CL6-PCB-139/140	< 0.539	U	< 0.807	U	< 0.885	U
CL6-PCB-141	K 0.793	U	K 7.14	U	< 0.899	U
CL6-PCB-142	< 0.539	U	< 0.896	U	< 0.974	U
CL6-PCB-144	< 0.539	U	K 1.97	U	< 0.781	U
CL6-PCB-145	< 0.539	U	< 0.562	U	< 0.632	U
CL6-PCB-146	0.618		4.58		< 0.81	U
CL6-PCB-147/149	3.16	U	32.9		3.05	U
CL6-PCB-148	< 0.539	U	< 0.683	U	< 0.802	U
CL6-PCB-150	< 0.539	U	< 0.562	U	< 0.611	U
CL6-PCB-152	< 0.539	U	< 0.562	U	< 0.573	U
CL6-PCB-153/168	2.97	U	26.2		4.18	U
CL6-PCB-155	< 0.539	U	< 0.632	U	1.33	
CL6-PCB-156/157	K 0.849	U	3.8		K 1.09	U
CL6-PCB-158	< 0.539	U	K 4.69	U	< 0.645	U
CL6-PCB-159	< 0.539	U	< 0.600	U	< 0.656	U
CL6-PCB-161	< 0.539	U	< 0.591	U	< 0.688	U
CL6-PCB-162	< 0.539	U	< 0.638	U	< 0.693	U
CL6-PCB-164	K 0.618	U	K 2.60	U	< 0.693	U
CL6-PCB-165	< 0.539	U	< 0.677	U	< 0.767	U
CL6-PCB-167	< 0.539	U	1.17		< 0.611	U
CL6-PCB-169	< 0.539	U	< 0.568	U	< 0.672	U
CL7-PCB-170	K 1.15	U	K 4.60	U	K 1.14	U
CL7-PCB-171/173	< 0.539	U	K 2.06	U	< 0.617	U
CL7-PCB-172	< 0.539	U	0.992		< 0.612	U
CL7-PCB-174	1.02		7.19		< 0.591	U
CL7-PCB-175	< 0.539	U	< 0.562	U	< 0.601	U
CL7-PCB-176	< 0.539	U	K 1.04	U	< 0.573	U
CL7-PCB-177	0.777		4.39		< 0.607	U
CL7-PCB-178	< 0.539	U	K 1.77	U	< 0.638	U

Table D-12. Field Blank PCB Congener Sample Data Results Associated with CSO and CSO-like Composite Sampling Equipment.

Collection Location	HANFORD #2 CSO		LANDER II REG		Kingdome Reg	
Descrip	FIELD BLANK		FIELD BLANK		FIELD BLANK	
Sampled	01/28/08 11:50:00 AM		06/05/08 10:20:00 AM		6/11/2009 10:45:00 AM	
KC Sample ID	L44913-1		L45805-1		L48336-1	
AXYS ID	L11268-2		L11659-1		L13358-1	
WORKGROUP	WG25565	validation qualifier	WG26133	validation qualifier	WG29960	validation qualifier
Sample Size	0.929 L		0.890 L		0.872 L	
UNITS	pg/L		pg/L		pg/L	
CL7-PCB-179	K 0.723	U	4.27		< 0.573	U
CL7-PCB-180/193	2.35	U	10.2		2.17	U
CL7-PCB-181	< 0.539	U	< 0.562	U	< 0.6	U
CL7-PCB-182	< 0.539	U	< 0.562	U	< 0.598	U
CL7-PCB-183/185	K 0.633	U	K 4.09	U	K 1.18	U
CL7-PCB-184	< 0.539	U	< 0.562	U	< 0.573	U
CL7-PCB-186	< 0.539	U	< 0.562	U	< 0.573	U
CL7-PCB-187	K 7.85	U	29.9		K 2.37	U
CL7-PCB-188	< 0.539	U	< 0.562	U	< 0.573	U
CL7-PCB-189	< 0.539	U	< 0.562	U	< 0.843	U
CL7-PCB-190	< 0.539	U	K 1.11	U	< 0.573	U
CL7-PCB-191	< 0.539	U	< 0.562	U	< 0.573	U
CL7-PCB-192	< 0.539	U	< 0.562	U	< 0.573	U
CL8-PCB-194	0.614		K 2.19	U	< 0.772	U
CL8-PCB-195	< 0.539	U	K 0.908	U	< 0.799	U
CL8-PCB-196	< 0.539	U	1.66		< 0.816	U
CL8-PCB-197/200	< 0.539	U	K 0.635	U	< 0.607	U
CL8-PCB-198/199	K 0.966	U	K 4.97	U	< 0.851	U
CL8-PCB-201	< 0.539	U	K 0.579	U	< 0.592	U
CL8-PCB-202	< 0.539	U	K 0.984	U	< 0.77	U
CL8-PCB-203	0.874		4.15		< 0.808	U
CL8-PCB-204	< 0.539	U	< 0.562	U	< 0.605	U
CL8-PCB-205	< 0.539	U	< 0.562	U	< 0.629	U
CL9-PCB-206	< 0.539	U	< 3.01	U	< 0.837	U
CL9-PCB-207	< 0.539	U	< 2.40	U	< 0.642	U
CL9-PCB-208	< 0.539	U	< 2.26	U	< 0.65	U
CL10-PCB-209	1.06	U	K 1.81	U	K 1.21	U
Total PCBs	664		1,135		59	

Qualifiers Defined

K = peak detected but did not meet quantification criteria
number following this flag represents the estimated maximum possible concentration

< = less than the detection limit
number following this symbol represents the detection limit

U = analyte not detected

Table D-13. CSO and CSO like Dioxin/Furan (D/F) Congener Composite Data Results.

CS030					KINGDOME REGULATOR			
Locator	Hanford #2 CSO				Kingdome Reg			
Descrip	9/6/09 12:02				10/16/09 20:43			
Sampled	L49003-1				L49199-5			
KC Sample ID								
AXYS ID	L13835-1 L				L13835-4 W			
WORKGROUP	WG33371	Lab Flag	Validation	Detection	WG33371	Lab Flag	Validation	Detection
Sample Size	0.967 L		Qualifier	Limit	0.968 L		Qualifier	Limit
UNITS	pg/L				pg/L			
2,3,7,8-TCDD	1.64	K J	UJ	0.694		U D	UJ	2.29
1,2,3,7,8-PECDD		U D	U	1.23		U D		2.36
1,2,3,4,7,8-HXCDD	5.75	J	J	0.565	6.84	K D J	UJ	5.07
1,2,3,6,7,8-HXCDD	11.9		J	0.565	9.17	K D J	UJ	5.07
1,2,3,7,8,9-HXCDD	11.7		J	0.565		U D	UJ	5.07
1,2,3,4,6,7,8-HPCDD	242		J	1.77	161	D		3.77
OCDD	2430		J	2.91	1930	D		19.4
2,3,7,8-TCDF (225)	7.94		UJ	3.33		U	UJ	3.17
2,3,7,8-TCDF	14.3		R	0.829	2.02	D J	R	1.88
1,2,3,7,8-PECDF		U D	UJ	11.1		U D		2.12
2,3,4,7,8-PECDF		U D	UJ	13.3		U D		2.12
1,2,3,4,7,8-HXCDF	4.92	K J	UJ	0.876		U D	UJ	7.77
1,2,3,6,7,8-HXCDF	3.27	K J	UJ	0.876		U D	UJ	7.77
1,2,3,7,8,9-HXCDF		U	UJ	0.876		U D	UJ	7.77
2,3,4,6,7,8-HXCDF	2.84	J	UJ	0.876		U D	UJ	7.77
1,2,3,4,6,7,8-HPCDF	52.7		J	0.932	37.2	K D J	UJ	7
1,2,3,4,7,8,9-HPCDF	4.84	K J	UJ	0.932	10	D J	J	7
OCDF	117			0.714	134	D		2.29
Total D/F (TEQ ND=1/2 DL)	11		J	n/ap	7.51		J	n/ap

Table D-13. CSO and CSO like Dioxin/Furan (D/F) Congener Composite Data Results.

63053					LANDER II			
Locator	Brandon St. CSO				LANDER II REG			
Descrip	10/26/2009 9:36				5/2/2009 22:12			
Sampled	L49487-1				L47992-2			
KC Sample ID								
AXYS ID	L13835-5				L12676-2			
WORKGROUP	WG33371	Lab Flag	Validation	Detection	WG32830	Lab Flag	Validation	Detection
Sample Size	0.968 L		Qualifier	Limit	0.965 L		Qualifier	Limit
UNITS	pg/L				pg/L			
2,3,7,8-TCDD		U		0.537		U	UJ	0.518
1,2,3,7,8-PECDD	3.24	J	UJ	0.517	1.34	K J	UJ	0.518
1,2,3,4,7,8-HXCDD	7.09	J		0.818	2.89	J	J	0.518
1,2,3,6,7,8-HXCDD	15.6			0.818	5.77	J	J	0.518
1,2,3,7,8,9-HXCDD	16.6			0.818	6.45	J	J	0.518
1,2,3,4,6,7,8-HPCDD	284			0.992	111		J	0.518
OCDD	3040			0.569	773		J	0.518
2,3,7,8-TCDF	2.11	J	R	0.517	0.618	J	R	0.518
2,3,7,8-TCDF (225)		U		1.51		U	UJ	0.528
1,2,3,7,8-PECDF	1.58	J		0.517		U	UJ	0.518
2,3,4,7,8-PECDF	2.21	J	UJ	0.517	0.679	J	J	0.518
1,2,3,4,7,8-HXCDF	6.06	K J	UJ	0.679	1.88	J	J	0.518
1,2,3,6,7,8-HXCDF	3.97	J		0.679	1.18	J	J	0.518
1,2,3,7,8,9-HXCDF		U		0.679		U	UJ	0.518
2,3,4,6,7,8-HXCDF	3.69	K J	UJ	0.679	1.16	J	J	0.518
1,2,3,4,6,7,8-HPCDF	58			0.913	25.5		J	0.518
1,2,3,4,7,8,9-HPCDF	5.1	J		0.913	1.06	J	J	0.518
OCDF	138			0.517	61.6		J	0.518
Total D/F (TEQ ND=1/2 DL)	11.2		J	n/ap	4.34		J	n/ap

Table D-13. CSO and CSO like Dioxin/Furan (D/F) Congener Composite Data Results.

Locator	CS030			
Descrip	Hanford #2 CSO			
Sampled	5/5/2009 5:02			
KC Sample ID	L48009-2			
AXYS ID	L12676-4			
WORKGROUP	WG32830	Lab Flag	Validation	Detection
Sample Size	0.973 L		Qualifier	Limit
UNITS	pg/L			
2,3,7,8-TCDD		U	UJ	0.514
1,2,3,7,8-PECDD	2.84	J	J	0.514
1,2,3,4,7,8-HXCDD	5.39	J	J	0.514
1,2,3,6,7,8-HXCDD	13.3		J	0.514
1,2,3,7,8,9-HXCDD	14.6		J	0.514
1,2,3,4,6,7,8-HPCDD	257		J	0.701
OCDD	2400		J	0.829
2,3,7,8-TCDF	2.7		R	0.514
2,3,7,8-TCDF (225)		U	UJ	1.01
1,2,3,7,8-PECDF	1.01	K J	UJ	0.514
2,3,4,7,8-PECDF	1.61	J	J	0.514
1,2,3,4,7,8-HXCDF	5.33	J	J	0.574
1,2,3,6,7,8-HXCDF	3.88	J	J	0.574
1,2,3,7,8,9-HXCDF		U	UJ	0.574
2,3,4,6,7,8-HXCDF	2.83	K J	UJ	0.574
1,2,3,4,6,7,8-HPCDF	51.5		J	0.514
1,2,3,4,7,8,9-HPCDF	4.53	J	J	0.514
OCDF	114		J	0.514
Total D/F (TEQ ND=1/2 DL)	11.8		J	n/ap

Qualifiers Defined

K = peak detected but did not meet quantification criteria

number following this flag represents the estimated maximum possible concentration

< = less than the detection limit

number following this symbol represents the detection limit

U = analyte not detected

J = estimated value

R = quality control indicates data not usable

Total dioxins/furans (D/F) are based on the sum of 17 congeners expressed as toxic equivalent quotient (TEQ).

TEQs are calculated using World Health Organization toxic equivalency factors (TEFs) values for mammals (Van den Berg et al. 2006).