

# **APPENDIX D. POREWATER SUPPORTING DOCUMENTATION**

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**Table D-1. Literature PCB congener partition coefficients**

PCB congener	Log K <sub>ow</sub> <sup>a</sup> (L/kg)	Log K <sub>oc</sub> <sup>b</sup> (L/kg TOC)	Log K <sub>black carbon</sub> <sup>c</sup> (L/kg Black Carbon)
PCB-1	4.46	4.40	5.43
PCB-2	4.69	4.51	5.64
PCB-3	4.69	4.52	5.64
PCB-4	4.65	4.40	5.60
PCB-5	4.97	4.72	5.89
PCB-6	5.06	4.71	5.97
PCB-7	5.07	4.67	5.98
PCB-8	5.07	4.72	5.98
PCB-9	5.06	4.67	5.97
PCB-10	4.84	4.40	5.77
PCB-11	5.28	4.84	6.17
PCB-12	5.22	4.86	6.12
PCB-13	5.29	4.86	6.18
PCB-14	5.28	4.77	6.17
PCB-15	5.30	4.88	6.19
PCB-16	5.16	4.88	6.07
PCB-17	5.25	4.80	6.15
PCB-18	5.24	4.79	6.14
PCB-19	5.02	4.67	5.94
PCB-20	5.57	5.08	6.44
PCB-21	5.51	5.07	6.38
PCB-22	5.58	5.11	6.45
PCB-23	5.57	4.98	6.44
PCB-24	5.35	4.84	6.24
PCB-25	5.67	5.02	6.53
PCB-26	5.66	5.02	6.52
PCB-27	5.44	4.79	6.32
PCB-28	5.67	5.05	6.53
PCB-29	5.60	4.99	6.47
PCB-30	5.44	4.72	6.32
PCB-31	5.67	5.04	6.53
PCB-32	5.44	4.88	6.32
PCB-33	5.60	3.08	6.47
PCB-34	5.66	4.98	6.52
PCB-35	5.82	5.23	6.67
PCB-36	5.88	5.15	6.72

**Table D-1. Literature PCB congener partition coefficients**

PCB congener	Log K <sub>ow</sub> <sup>a</sup> (L/kg)	Log K <sub>oc</sub> <sup>b</sup> (L/kg TOC)	Log K <sub>black carbon</sub> <sup>c</sup> (L/kg Black Carbon)
PCB-37	5.83	5.26	6.68
PCB-38	5.76	5.19	6.61
PCB-39	5.89	5.16	6.73
PCB-40	5.66	5.39	6.52
PCB-41	5.69	5.35	6.55
PCB-42	5.76	5.31	6.61
PCB-43	5.75	5.21	6.60
PCB-44	5.75	5.30	6.60
PCB-45	5.53	5.12	6.40
PCB-46	5.53	5.16	6.40
PCB-47	5.85	5.23	6.69
PCB-48	5.78	5.23	6.63
PCB-49	5.85	5.22	6.69
PCB-50	5.63	5.01	6.49
PCB-51	5.63	5.09	6.49
PCB-52	5.84	5.20	6.68
PCB-53	5.62	5.07	6.48
PCB-54	5.21	4.94	6.11
PCB-55	6.11	5.44	6.93
PCB-56	6.11	5.47	6.93
PCB-57	6.17	5.34	6.98
PCB-58	6.17	5.37	6.98
PCB-59	5.95	5.31	6.78
PCB-60	6.11	5.47	6.93
PCB-61	6.04	5.38	6.87
PCB-62	5.89	5.25	6.73
PCB-63	6.17	5.37	6.98
PCB-64	5.95	5.36	6.78
PCB-65	5.86	5.24	6.70
PCB-66	6.20	5.41	7.01
PCB-67	6.20	5.35	7.01
PCB-68	6.26	5.31	7.07
PCB-69	6.04	5.19	6.87
PCB-70	6.20	5.40	7.01
PCB-71	5.98	5.35	6.81
PCB-72	6.26	5.29	7.07

**Table D-1. Literature PCB congener partition coefficients**

PCB congener	Log K <sub>ow</sub> <sup>a</sup> (L/kg)	Log K <sub>oc</sub> <sup>b</sup> (L/kg TOC)	Log K <sub>black carbon</sub> <sup>c</sup> (L/kg Black Carbon)
PCB-73	6.04	5.20	6.87
PCB-74	6.20	5.39	7.01
PCB-75	6.05	5.23	6.88
PCB-76	6.13	5.40	6.95
PCB-77	6.36	5.63	7.16
PCB-78	6.35	5.56	7.15
PCB-79	6.42	5.53	7.21
PCB-80	6.48	5.42	7.27
PCB-81	6.36	5.59	7.16
PCB-82	6.20	5.86	7.01
PCB-83	6.26	5.71	7.07
PCB-84	6.04	5.61	6.87
PCB-85	6.30	5.78	7.10
PCB-86	6.23	5.74	7.04
PCB-87	6.29	5.76	7.09
PCB-88	6.07	5.53	6.89
PCB-89	6.07	5.63	6.89
PCB-90	6.36	5.64	7.16
PCB-91	6.13	5.55	6.95
PCB-92	6.35	5.61	7.15
PCB-93	6.04	5.51	6.87
PCB-94	6.13	5.47	6.95
PCB-95	6.13	5.52	6.95
PCB-96	5.71	5.38	6.57
PCB-97	6.29	5.74	7.09
PCB-98	6.13	5.50	6.95
PCB-99	6.39	5.66	7.18
PCB-100	6.23	5.43	7.04
PCB-101	6.38	5.64	7.18
PCB-102	6.16	5.51	6.98
PCB-103	6.22	5.41	7.03
PCB-104	5.81	5.27	6.66
PCB-105	6.65	5.83	7.42
PCB-106	6.64	5.73	7.41
PCB-107	6.71	5.72	7.48
PCB-108	6.71	5.72	7.48

**Table D-1. Literature PCB congener partition coefficients**

PCB congener	Log K <sub>ow</sub> <sup>a</sup> (L/kg)	Log K <sub>oc</sub> <sup>b</sup> (L/kg TOC)	Log K <sub>black carbon</sub> <sup>c</sup> (L/kg Black Carbon)
PCB-109	6.48	5.71	7.27
PCB-110	6.48	5.81	7.27
PCB-111	6.76	5.60	7.52
PCB-112	6.45	5.70	7.24
PCB-113	6.54	5.66	7.32
PCB-114	6.65	5.77	7.42
PCB-115	6.49	5.76	7.28
PCB-116	6.33	5.75	7.13
PCB-117	6.46	5.76	7.25
PCB-118	6.74	5.73	7.50
PCB-119	6.58	5.69	7.36
PCB-120	6.79	5.62	7.55
PCB-121	6.64	5.54	7.41
PCB-122	6.64	5.78	7.41
PCB-123	6.74	5.73	7.50
PCB-124	6.73	5.71	7.49
PCB-125	6.51	5.75	7.29
PCB-126	6.89	5.95	7.64
PCB-127	6.95	5.83	7.69
PCB-128	6.74	6.32	7.50
PCB-129	6.73	6.23	7.49
PCB-130	6.80	6.15	7.56
PCB-131	6.58	6.00	7.36
PCB-132	6.58	6.06	7.36
PCB-133	6.86	6.01	7.61
PCB-134	6.55	5.98	7.33
PCB-135	6.64	5.90	7.41
PCB-136	6.22	5.79	7.03
PCB-137	6.83	6.17	7.59
PCB-138	6.83	6.19	7.59
PCB-139	6.67	5.95	7.44
PCB-140	6.67	5.95	7.44
PCB-141	6.82	6.12	7.58
PCB-142	6.51	6.00	7.29
PCB-143	6.60	5.98	7.38
PCB-144	6.67	5.90	7.44

**Table D-1. Literature PCB congener partition coefficients**

PCB congener	Log K <sub>ow</sub> <sup>a</sup> (L/kg)	Log K <sub>oc</sub> <sup>b</sup> (L/kg TOC)	Log K <sub>black carbon</sub> <sup>c</sup> (L/kg Black Carbon)
PCB-145	6.25	5.76	7.06
PCB-146	6.89	6.04	7.64
PCB-147	6.64	5.92	7.41
PCB-148	6.73	5.79	7.49
PCB-149	6.67	5.94	7.44
PCB-150	6.32	5.69	7.12
PCB-151	6.64	5.88	7.41
PCB-152	6.22	5.73	7.03
PCB-153	6.92	6.06	7.67
PCB-154	6.76	5.83	7.52
PCB-155	6.41	5.59	7.20
PCB-156	7.18	6.10	7.90
PCB-157	7.18	6.12	7.90
PCB-158	7.02	6.20	7.76
PCB-159	7.24	5.98	7.96
PCB-160	6.93	6.19	7.68
PCB-161	7.08	6.04	7.81
PCB-162	7.24	6.00	7.96
PCB-163	6.99	6.19	7.73
PCB-164	7.02	6.19	7.76
PCB-165	7.05	6.02	7.79
PCB-166	6.93	6.25	7.68
PCB-167	7.27	6.02	7.99
PCB-168	7.11	6.08	7.84
PCB-169	7.42	6.23	8.12
PCB-170	7.27	6.66	7.99
PCB-171	7.11	6.43	7.84
PCB-172	7.33	6.50	8.04
PCB-173	7.02	6.45	7.76
PCB-174	7.11	6.39	7.84
PCB-175	7.17	6.27	7.89
PCB-176	6.76	6.16	7.52
PCB-177	7.08	6.41	7.81
PCB-178	7.14	6.24	7.87
PCB-179	6.73	6.12	7.49
PCB-180	7.36	6.53	8.07

**Table D-1. Literature PCB congener partition coefficients**

PCB congener	Log K <sub>ow</sub> <sup>a</sup> (L/kg)	Log K <sub>oc</sub> <sup>b</sup> (L/kg TOC)	Log K <sub>black carbon</sub> <sup>c</sup> (L/kg Black Carbon)
PCB-181	7.11	6.39	7.84
PCB-182	7.20	6.28	7.92
PCB-183	7.20	6.30	7.92
PCB-184	6.85	6.06	7.60
PCB-185	7.11	6.35	7.84
PCB-186	6.69	6.20	7.46
PCB-187	7.17	6.28	7.89
PCB-188	6.82	6.02	7.58
PCB-189	7.71	6.37	8.39
PCB-190	7.46	6.66	8.16
PCB-191	7.55	6.56	8.24
PCB-192	7.52	6.49	8.21
PCB-193	7.52	6.54	8.21
PCB-194	7.80	6.96	8.47
PCB-195	7.56	6.86	8.25
PCB-196	7.65	6.73	8.33
PCB-197	7.30	6.50	8.01
PCB-198	7.62	6.69	8.30
PCB-199	7.20	6.57	7.92
PCB-200	7.27	6.47	7.99
PCB-201	7.62	6.71	8.30
PCB-202	7.24	6.43	7.96
PCB-203	7.65	6.73	8.33
PCB-204	7.30	6.48	8.01
PCB-205	8.00	6.99	8.65
PCB-206	8.09	7.13	8.73
PCB-207	7.74	6.90	8.41
PCB-208	7.71	6.86	8.39
PCB-209	8.18	7.27	8.81

<sup>a</sup> Hawker and Connell (1988)

<sup>b</sup> Hansen et al. (1999)

<sup>c</sup> Koelmans et al. (2006)

PCB – polychlorinated biphenyl

TOC – total organic carbon

K<sub>ow</sub> – octanol-water partition coefficient

K<sub>oc</sub> – organic carbon-water partition coefficient

**Table D-2.LDW-specific PCB congener K<sub>oc</sub> values**

PCB Congener	Literature Log K <sub>oc</sub>	Pre-Design Studies Locations Log K <sub>oc</sub> values										Average	SD
		SS-169	SS-172	SS-174	SS-175	SS-177	SS-179	SS-180	SS-184	SS-185	SS-187		
PCB-1	4.40	5.41	5.12	5.42	5.47	5.58	5.44	5.60	5.66	5.43	6.05	5.52	0.23
PCB-2	4.51	nc	5.43	5.40	5.64	5.84	5.51	6.12	5.78	5.63	5.87	5.69	0.22
PCB-3	4.52	nc	5.68	5.60	5.83	6.01	5.66	6.06	6.11	5.81	6.27	5.89	0.22
PCB-4	4.40	5.19	4.88	5.17	5.23	5.35	5.10	5.44	5.35	5.16	5.13	5.20	0.15
PCB-5	4.72	5.60	5.56	5.66	5.82	5.74	5.79	5.89	5.71	5.69	5.45	5.69	0.12
PCB-6	4.71	5.60	5.05	5.60	5.58	5.75	5.50	5.79	5.84	5.59	5.54	5.58	0.21
PCB-7	4.67	5.52	5.36	5.56	5.49	5.62	5.52	5.68	5.72	5.54	5.48	5.55	0.10
PCB-8	4.72	5.64	5.40	5.67	5.62	5.78	5.59	5.77	5.83	5.66	5.60	5.66	0.11
PCB-9	4.67	5.56	5.44	5.60	5.68	5.77	5.52	5.77	5.74	5.58	5.64	5.63	0.10
PCB-10	4.40	5.24	5.13	5.32	5.30	5.42	5.25	5.48	5.51	5.27	5.28	5.32	0.11
PCB-11	4.84	5.73	5.43	5.57	5.87	6.31	5.69	5.89	5.84	5.67	5.26	5.73	0.27
PCB-12	4.86	5.96	5.67	5.80	5.96	6.14	5.71	5.95	6.16	5.84	5.83	5.90	0.16
PCB-13	4.86	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-14	4.77	nc	5.20	5.63	5.08	4.97	4.61	5.18	4.55	5.30	4.74	5.03	0.33
PCB-15	4.88	6.10	5.86	5.93	6.04	6.19	5.90	5.97	6.14	5.86	5.80	5.98	0.12
PCB-16	4.88	5.51	5.31	5.61	5.50	5.67	5.56	5.61	5.65	5.54	5.33	5.53	0.12
PCB-17	4.80	5.49	5.19	5.57	5.41	5.59	5.32	5.50	5.60	5.48	5.25	5.44	0.14
PCB-18	4.79	5.51	5.24	5.59	5.47	5.68	5.37	5.58	5.63	5.52	5.30	5.49	0.14
PCB-19	4.67	5.30	5.03	5.30	5.19	5.33	5.17	5.46	5.32	5.22	5.05	5.24	0.13
PCB-20	5.08	5.82	5.69	5.84	5.87	6.02	5.69	5.82	5.97	5.81	5.60	5.81	0.12
PCB-21	5.07	5.86	5.69	5.89	5.90	6.00	5.74	5.89	5.97	5.83	5.65	5.84	0.11
PCB-22	5.11	5.93	5.84	5.98	6.01	6.16	5.84	5.96	6.04	5.96	5.75	5.95	0.11
PCB-23	4.98	nc	5.36	5.52	5.75	5.75	5.57	5.78	5.89	5.85	5.46	5.66	0.17



**Table D-2.LDW-specific PCB congener K<sub>oc</sub> values**

PCB Congener	Literature Log K <sub>oc</sub>	Pre-Design Studies Locations Log K <sub>oc</sub> values										Average	SD
		SS-169	SS-172	SS-174	SS-175	SS-177	SS-179	SS-180	SS-184	SS-185	SS-187		
PCB-24	4.84	5.51	5.34	5.70	5.51	5.72	5.52	5.55	5.63	5.48	5.34	5.53	0.12
PCB-25	5.02	5.93	5.72	5.94	5.93	6.02	5.80	5.90	6.04	5.91	5.66	5.89	0.12
PCB-26	5.02	5.89	5.82	5.91	5.90	6.04	5.70	5.91	6.00	5.89	5.67	5.87	0.11
PCB-27	4.79	5.69	5.39	5.74	5.64	5.77	5.49	5.73	5.77	5.51	5.39	5.61	0.15
PCB-28	5.05	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-29	4.99	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-30	4.72	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-31	5.04	5.94	5.79	5.97	6.01	6.15	5.74	5.95	6.05	5.97	5.75	5.93	0.13
PCB-32	4.88	5.60	5.06	5.60	5.54	5.66	5.57	5.78	5.87	5.27	5.52	5.55	0.22
PCB-33	3.08	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-34	4.98	5.79	5.50	5.82	5.73	5.83	5.58	5.79	5.90	5.79	5.59	5.73	0.12
PCB-35	5.23	6.33	6.21	6.27	6.51	6.52	6.27	6.29	6.39	6.25	6.13	6.32	0.12
PCB-36	5.15	nc	4.71	5.72	5.64	5.67	5.70	5.66	5.89	4.81	5.30	5.45	0.40
PCB-37	5.26	6.39	6.25	6.30	6.45	6.59	6.29	6.30	6.44	6.26	6.12	6.34	0.12
PCB-38	5.19	5.89	5.93	5.66	5.59	5.50	5.48	5.66	5.76	5.83	5.58	5.69	0.15
PCB-39	5.16	6.06	5.74	6.04	5.92	5.97	5.70	5.90	5.87	6.09	5.80	5.91	0.13
PCB-40	5.39	5.85	5.64	5.85	5.78	5.85	5.67	5.91	5.79	5.85	5.69	5.79	0.09
PCB-41	5.35	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-42	5.31	5.91	5.69	5.88	5.80	5.88	5.73	5.96	5.86	5.93	5.72	5.84	0.09
PCB-43	5.21	6.02	5.55	5.88	5.73	5.80	5.59	5.85	5.75	6.06	5.59	5.78	0.17
PCB-44	5.30	5.91	5.71	5.89	5.80	5.98	5.70	5.98	5.83	5.96	5.67	5.84	0.11
PCB-45	5.12	5.67	5.47	5.70	5.61	5.65	5.42	5.73	5.62	5.57	5.44	5.59	0.10
PCB-46	5.16	5.75	5.54	5.77	5.67	5.74	5.57	5.83	5.69	5.69	5.58	5.68	0.09

**Table D-2.LDW-specific PCB congener K<sub>oc</sub> values**

PCB Congener	Literature Log K <sub>oc</sub>	Pre-Design Studies Locations Log K <sub>oc</sub> values										Average	SD
		SS-169	SS-172	SS-174	SS-175	SS-177	SS-179	SS-180	SS-184	SS-185	SS-187		
PCB-47	5.23	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-48	5.23	5.86	5.62	5.84	5.80	5.88	5.62	5.89	5.81	5.89	5.74	5.79	0.10
PCB-49	5.22	5.97	5.71	5.93	5.80	5.96	5.72	6.00	5.88	5.96	5.71	5.86	0.11
PCB-50	5.01	5.82	5.58	5.82	5.67	5.78	5.56	5.84	5.77	5.71	5.49	5.70	0.12
PCB-51	5.09	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-52	5.20	6.03	5.82	5.99	5.86	6.19	5.76	6.04	5.91	6.05	5.65	5.93	0.15
PCB-53	5.07	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-54	4.94	5.38	5.27	5.38	5.33	5.26	5.21	5.51	5.32	5.25	5.19	5.31	0.09
PCB-55	5.44	6.29	5.86	6.20	6.32	6.36	6.29	6.48	6.45	6.13	6.21	6.26	0.17
PCB-56	5.47	6.39	6.25	6.37	6.41	6.56	6.27	6.49	6.46	6.44	6.22	6.39	0.11
PCB-57	5.34	6.20	6.17	6.19	6.30	6.22	6.19	6.46	6.30	6.36	6.10	6.25	0.10
PCB-58	5.37	4.91	4.41	5.05	4.97	4.73	6.15	6.55	6.25	5.19	5.11	5.33	0.68
PCB-59	5.31	6.03	6.18	5.99	5.97	5.98	5.84	6.08	5.98	5.99	5.80	5.98	0.10
PCB-60	5.47	6.32	6.21	6.30	6.42	6.57	6.15	6.39	6.34	6.42	6.16	6.33	0.12
PCB-61	5.38	6.26	6.05	6.21	6.21	6.44	6.08	6.31	6.27	6.40	6.06	6.23	0.13
PCB-62	5.25	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-63	5.37	6.20	6.04	6.14	6.21	6.33	6.05	6.27	6.23	6.42	6.05	6.19	0.12
PCB-64	5.36	6.11	5.87	6.09	6.01	6.19	5.91	6.15	6.06	6.22	5.89	6.05	0.12
PCB-65	5.24	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-66	5.41	6.41	6.20	6.33	6.37	6.50	6.21	6.47	6.40	6.42	6.16	6.35	0.11
PCB-67	5.35	6.30	6.34	6.21	6.34	6.33	6.11	6.33	6.26	6.32	6.11	6.26	0.09
PCB-68	5.31	6.27	6.20	6.21	6.17	6.17	6.10	6.29	6.25	6.20	6.06	6.19	0.07
PCB-69	5.19	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc

**Table D-2.LDW-specific PCB congener K<sub>oc</sub> values**

PCB Congener	Literature Log K <sub>oc</sub>	Pre-Design Studies Locations Log K <sub>oc</sub> values										Average	SD
		SS-169	SS-172	SS-174	SS-175	SS-177	SS-179	SS-180	SS-184	SS-185	SS-187		
PCB-70	5.40	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-71	5.35	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-72	5.29	6.27	6.24	6.24	6.18	6.23	6.09	6.31	6.24	6.22	6.05	6.21	0.07
PCB-73	5.20	nc	5.51	6.00	5.62	5.30	5.34	6.07	5.81	5.69	5.78	5.68	0.25
PCB-74	5.39	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-75	5.23	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-76	5.40	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-77	5.63	6.72	6.59	6.63	6.80	6.91	6.60	6.77	6.81	6.67	6.49	6.70	0.12
PCB-78	5.56	nc	5.58	6.40	5.88	5.83	5.54	6.13	5.84	6.19	5.92	5.92	0.26
PCB-79	5.53	6.54	6.17	6.36	6.15	6.51	6.24	6.50	6.43	6.62	6.21	6.37	0.16
PCB-80	5.42	nc	5.71	6.51	6.01	5.96	5.67	6.26	5.96	6.30	6.04	6.05	0.26
PCB-81	5.59	6.59	6.35	6.43	6.59	6.54	6.29	6.60	6.65	6.59	6.49	6.51	0.11
PCB-82	5.86	6.43	6.16	6.35	6.20	6.57	6.25	6.46	6.40	6.49	6.27	6.36	0.13
PCB-83	5.71	6.32	6.01	6.18	6.04	6.34	6.04	6.28	6.19	6.30	6.01	6.17	0.13
PCB-84	5.61	6.31	6.05	6.24	6.04	6.43	6.10	6.31	6.21	6.34	6.06	6.21	0.13
PCB-85	5.78	6.41	6.09	6.26	6.16	6.48	6.18	6.42	6.34	6.43	6.17	6.29	0.13
PCB-86	5.74	6.39	6.10	6.28	6.15	6.56	6.20	6.43	6.34	6.42	6.18	6.31	0.14
PCB-87	5.76	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-88	5.53	6.22	5.98	6.14	5.95	6.25	5.99	6.25	6.11	6.22	5.95	6.10	0.12
PCB-89	5.63	6.26	5.49	6.25	6.01	6.08	6.10	6.29	6.24	5.95	6.11	6.08	0.22
PCB-90	5.64	6.44	6.12	6.31	6.17	6.55	6.20	6.47	6.35	6.47	6.16	6.32	0.15
PCB-91	5.55	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-92	5.61	6.43	6.08	6.29	6.15	6.48	6.17	6.37	6.30	6.43	6.09	6.28	0.14

**Table D-2.LDW-specific PCB congener K<sub>oc</sub> values**

PCB Congener	Literature Log K <sub>oc</sub>	Pre-Design Studies Locations Log K <sub>oc</sub> values										Average	SD
		SS-169	SS-172	SS-174	SS-175	SS-177	SS-179	SS-180	SS-184	SS-185	SS-187		
PCB-93	5.51	6.23	5.97	6.14	5.96	6.35	6.00	6.25	6.14	6.27	5.96	6.13	0.14
PCB-94	5.47	6.18	5.93	6.15	6.00	6.24	6.00	6.21	6.12	6.20	6.02	6.10	0.10
PCB-95	5.52	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-96	5.38	5.90	5.76	5.95	5.81	6.04	5.73	5.98	5.92	5.90	5.79	5.88	0.10
PCB-97	5.74	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-98	5.50	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-99	5.66	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-100	5.43	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-101	5.64	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-102	5.51	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-103	5.41	6.17	5.97	6.10	5.91	6.06	5.96	6.16	6.10	6.07	5.87	6.04	0.10
PCB-104	5.27	5.79	5.66	5.33	5.50	5.63	5.42	5.84	5.63	5.56	5.08	5.54	0.21
PCB-105	5.83	6.89	6.61	6.77	6.69	7.09	6.66	6.86	6.84	6.93	6.63	6.80	0.15
PCB-106	5.73	nc	5.89	6.50	5.73	5.61	6.00	6.39	6.19	6.49	5.97	6.09	0.31
PCB-107	5.72	6.79	6.52	6.67	6.58	6.88	6.56	6.78	6.77	6.84	6.54	6.69	0.13
PCB-108	5.72	6.84	6.55	6.70	6.60	7.04	6.58	6.82	6.77	6.88	6.56	6.73	0.16
PCB-109	5.71	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-110	5.81	6.70	6.42	6.55	6.43	6.83	6.50	6.75	6.64	6.73	6.43	6.60	0.15
PCB-111	5.60	6.58	6.19	6.46	6.40	6.28	6.41	6.65	6.51	6.41	6.34	6.42	0.13
PCB-112	5.70	nc	5.80	6.14	5.86	5.81	5.79	5.92	6.41	6.63	6.00	6.04	0.28
PCB-113	5.66	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-114	5.77	6.77	6.46	6.62	6.57	7.05	6.46	6.76	6.64	6.84	6.49	6.67	0.18
PCB-115	5.76	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc

**Table D-2.LDW-specific PCB congener K<sub>oc</sub> values**

PCB Congener	Literature Log K <sub>oc</sub>	Pre-Design Studies Locations Log K <sub>oc</sub> values										Average	SD
		SS-169	SS-172	SS-174	SS-175	SS-177	SS-179	SS-180	SS-184	SS-185	SS-187		
PCB-116	5.75	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-117	5.76	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-118	5.73	6.89	6.60	6.73	6.65	7.02	6.64	6.82	6.80	6.88	6.56	6.76	0.14
PCB-119	5.69	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-120	5.62	6.67	6.53	6.56	6.42	6.47	6.41	6.65	6.54	6.49	6.32	6.51	0.10
PCB-121	5.54	nc	6.19	6.04	6.12	6.19	6.15	6.28	6.36	6.17	5.63	6.12	0.20
PCB-122	5.78	6.80	6.55	6.67	6.59	6.99	6.56	6.82	6.78	6.84	6.53	6.71	0.15
PCB-123	5.73	6.87	6.63	6.65	6.61	6.97	6.61	6.88	6.75	6.85	6.61	6.74	0.13
PCB-124	5.71	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-125	5.75	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-126	5.95	7.25	6.45	6.88	6.35	6.48	6.89	7.19	6.92	7.03	6.12	6.76	0.36
PCB-127	5.83	6.96	6.45	6.68	6.51	6.84	6.56	6.86	6.73	7.01	6.59	6.72	0.18
PCB-128	6.32	6.95	6.58	6.75	6.63	6.96	6.64	6.99	6.79	7.00	6.54	6.78	0.17
PCB-129	6.23	6.80	6.45	6.59	6.48	6.81	6.53	6.89	6.69	6.91	6.39	6.65	0.18
PCB-130	6.15	6.84	6.49	6.66	6.55	6.85	6.55	6.84	6.68	6.83	6.42	6.67	0.15
PCB-131	6.00	6.65	6.38	6.53	6.39	6.83	6.38	6.67	6.52	6.69	6.34	6.54	0.16
PCB-132	6.06	6.75	6.47	6.59	6.45	6.81	6.48	6.82	6.64	6.84	6.37	6.62	0.16
PCB-133	6.01	6.75	6.42	6.56	6.47	6.68	6.45	6.77	6.55	6.68	6.29	6.56	0.15
PCB-134	5.98	6.59	6.33	6.45	6.32	6.69	6.33	6.63	6.47	6.64	6.23	6.47	0.15
PCB-135	5.90	6.65	6.35	6.46	6.35	6.64	6.33	6.68	6.49	6.71	6.18	6.48	0.17
PCB-136	5.79	6.36	6.14	6.26	6.08	6.43	6.14	6.42	6.28	6.47	6.01	6.26	0.15
PCB-137	6.17	6.79	6.40	6.61	6.55	6.93	6.59	6.88	6.67	6.88	6.51	6.68	0.17
PCB-138	6.19	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc

**Table D-2.LDW-specific PCB congener K<sub>oc</sub> values**

PCB Congener	Literature Log K <sub>oc</sub>	Pre-Design Studies Locations Log K <sub>oc</sub> values										Average	SD
		SS-169	SS-172	SS-174	SS-175	SS-177	SS-179	SS-180	SS-184	SS-185	SS-187		
PCB-139	5.95	6.62	6.32	6.46	6.37	6.68	6.33	6.64	6.48	6.61	6.29	6.48	0.14
PCB-140	5.95	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-141	6.12	6.88	6.54	6.68	6.52	6.91	6.58	6.90	6.71	7.00	6.40	6.71	0.19
PCB-142	6.00	nc	6.34	6.07	5.88	6.18	5.65	6.24	6.09	6.39	5.82	6.07	0.23
PCB-143	5.98	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-144	5.90	6.69	6.38	6.52	6.38	6.76	6.41	6.72	6.58	6.80	6.25	6.55	0.18
PCB-145	5.76	6.29	6.03	6.24	6.03	6.42	6.06	6.33	6.19	6.29	5.99	6.18	0.14
PCB-146	6.04	6.82	6.48	6.64	6.56	6.77	6.49	6.84	6.58	6.74	6.30	6.62	0.16
PCB-147	5.92	6.71	6.37	6.53	6.40	6.71	6.42	6.81	6.59	6.79	6.28	6.56	0.18
PCB-148	5.79	6.52	6.22	6.36	6.28	6.37	6.23	6.55	6.38	6.36	6.09	6.34	0.13
PCB-149	5.94	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-150	5.69	6.25	5.98	6.17	6.02	6.17	5.95	6.28	6.11	6.12	5.89	6.09	0.12
PCB-151	5.88	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-152	5.73	6.24	5.98	6.13	5.99	6.36	6.03	6.35	6.07	6.23	6.01	6.14	0.14
PCB-153	6.06	6.88	6.51	6.66	6.56	6.82	6.57	6.96	6.69	6.90	6.37	6.69	0.18
PCB-154	5.83	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-155	5.59	6.11	5.60	5.81	5.84	5.92	5.86	6.29	6.02	5.93	5.86	5.93	0.18
PCB-156	6.10	7.30	6.91	7.07	7.03	7.46	7.03	7.30	7.06	7.25	6.99	7.14	0.17
PCB-157	6.12	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-158	6.20	7.06	6.70	6.82	6.74	7.07	6.75	7.06	6.83	7.05	6.59	6.87	0.17
PCB-159	5.98	7.28	5.38	7.09	6.92	7.09	6.93	7.34	7.01	7.40	6.71	6.91	0.55
PCB-160	6.19	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-161	6.04	nc	6.88	6.60	6.43	6.72	6.19	6.78	6.53	6.81	6.28	6.58	0.23

**Table D-2.LDW-specific PCB congener K<sub>oc</sub> values**

PCB Congener	Literature Log K <sub>oc</sub>	Pre-Design Studies Locations Log K <sub>oc</sub> values										Average	SD
		SS-169	SS-172	SS-174	SS-175	SS-177	SS-179	SS-180	SS-184	SS-185	SS-187		
PCB-162	6.00	7.30	6.77	6.92	6.96	7.17	6.98	7.32	7.01	7.04	6.89	7.04	0.17
PCB-163	6.19	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-164	6.19	7.12	6.83	6.93	6.80	7.11	6.78	7.11	6.91	7.09	6.62	6.93	0.16
PCB-165	6.02	nc	6.65	6.51	6.28	6.51	6.66	6.78	6.69	6.64	6.28	6.56	0.17
PCB-166	6.25	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-167	6.02	7.29	6.91	7.06	7.02	7.38	7.01	7.29	7.03	7.18	6.96	7.11	0.15
PCB-168	6.08	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-169	6.23	nc	7.27	7.67	7.23	6.48	7.75	7.50	7.31	7.70	7.23	7.35	0.36
PCB-170	6.66	7.32	6.96	7.07	7.01	7.27	7.05	7.47	7.13	7.45	6.96	7.17	0.18
PCB-171	6.43	7.19	6.73	6.87	6.74	7.06	6.80	7.27	6.93	7.34	6.69	6.96	0.23
PCB-172	6.50	7.38	6.92	7.06	6.96	7.25	7.06	7.46	7.02	7.41	6.89	7.14	0.20
PCB-173	6.45	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-174	6.39	7.23	6.76	6.89	6.75	7.04	6.84	7.33	6.96	7.37	6.66	6.98	0.24
PCB-175	6.27	7.11	6.63	6.79	6.68	6.93	6.73	7.18	6.84	7.23	6.58	6.87	0.22
PCB-176	6.16	6.79	6.35	6.55	6.38	6.65	6.46	6.88	6.64	7.00	6.31	6.60	0.22
PCB-177	6.41	7.09	6.71	6.88	6.79	7.03	6.82	7.25	6.91	7.18	6.65	6.93	0.19
PCB-178	6.24	7.11	6.58	6.77	6.67	6.87	6.70	7.14	6.78	7.14	6.49	6.82	0.22
PCB-179	6.12	6.78	6.34	6.52	6.37	6.60	6.40	6.85	6.61	6.96	6.23	6.57	0.23
PCB-180	6.53	7.32	6.92	7.04	7.01	7.22	7.01	7.44	7.07	7.39	6.90	7.13	0.19
PCB-181	6.39	7.17	6.67	6.85	6.75	7.19	6.77	7.21	6.88	7.20	6.84	6.95	0.20
PCB-182	6.28	7.12	4.68	5.29	6.68	4.89	6.74	7.13	6.81	7.01	6.64	6.30	0.90
PCB-183	6.30	7.21	6.71	6.87	6.76	7.04	6.79	7.26	6.90	7.34	6.65	6.95	0.23
PCB-184	6.06	6.73	6.20	6.51	6.39	6.57	6.37	5.53	6.44	6.63	6.33	6.37	0.32

**Table D-2.LDW-specific PCB congener K<sub>oc</sub> values**

PCB Congener	Literature Log K <sub>oc</sub>	Pre-Design Studies Locations Log K <sub>oc</sub> values										Average	SD
		SS-169	SS-172	SS-174	SS-175	SS-177	SS-179	SS-180	SS-184	SS-185	SS-187		
PCB-185	6.35	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-186	6.20	nc	6.22	6.62	6.12	6.02	6.03	6.42	6.55	6.35	6.19	6.28	0.20
PCB-187	6.28	7.16	6.66	6.81	6.75	6.94	6.63	7.18	6.71	7.08	6.43	6.84	0.24
PCB-188	6.02	6.68	6.11	6.42	6.31	6.49	6.28	6.71	6.45	6.52	6.23	6.42	0.18
PCB-189	6.37	7.76	7.42	7.43	7.50	7.79	7.51	7.93	7.41	7.71	7.39	7.58	0.18
PCB-190	6.66	7.51	7.21	7.22	7.21	7.50	7.17	7.61	7.23	7.55	7.20	7.34	0.17
PCB-191	6.56	7.59	7.21	7.30	7.23	7.54	7.25	7.68	7.19	7.55	7.13	7.37	0.19
PCB-192	6.49	7.30	7.13	7.47	7.04	6.94	6.88	7.26	7.12	6.88	6.88	7.09	0.19
PCB-193	6.54	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-194	6.96	7.82	7.46	7.52	7.61	7.86	7.64	8.12	7.54	7.77	7.52	7.69	0.19
PCB-195	6.86	7.59	7.26	7.35	7.35	7.63	7.34	7.82	7.41	7.65	7.30	7.47	0.18
PCB-196	6.73	7.65	7.37	7.43	7.40	7.69	7.44	7.88	7.44	7.62	7.33	7.53	0.17
PCB-197	6.50	7.37	7.01	7.12	7.03	7.28	7.02	7.47	7.10	7.36	6.88	7.16	0.18
PCB-198	6.69	7.64	7.31	7.41	7.36	7.61	7.35	7.80	7.40	7.54	7.38	7.48	0.15
PCB-199	6.57	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-200	6.47	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
PCB-201	6.71	7.75	7.25	7.34	7.32	7.58	7.42	7.84	7.35	7.55	7.18	7.46	0.21
PCB-202	6.43	7.17	6.73	6.92	6.85	7.07	6.85	7.31	6.98	7.16	6.77	6.98	0.18
PCB-203	6.73	7.66	7.37	7.43	7.44	7.71	7.50	7.93	7.44	7.58	7.39	7.54	0.17
PCB-204	6.48	7.58	6.46	7.02	6.84	7.23	7.34	7.77	6.96	7.46	6.88	7.15	0.37
PCB-205	6.99	8.11	7.76	7.75	7.85	8.08	7.85	8.33	7.66	7.89	7.66	7.89	0.21
PCB-206	7.13	8.38	8.19	8.04	8.12	8.16	8.16	8.62	7.86	7.95	7.93	8.14	0.21
PCB-207	6.90	8.00	7.72	7.72	7.72	7.85	7.77	8.27	7.71	7.84	7.67	7.83	0.17



**Table D-2.LDW-specific PCB congener K<sub>OC</sub> values**

PCB Congener	Literature Log K <sub>OC</sub>	Pre-Design Studies Locations Log K <sub>OC</sub> values										Average	SD
		SS-169	SS-172	SS-174	SS-175	SS-177	SS-179	SS-180	SS-184	SS-185	SS-187		
PCB-208	6.86	8.00	7.84	7.63	7.71	7.87	7.70	8.17	7.60	7.66	7.58	7.78	0.18
PCB-209	7.27	8.87	8.91	8.42	8.77	8.76	8.66	8.82	8.24	8.17	8.28	8.59	0.27

Notes: Calculation of LDW-specific K<sub>OC</sub> values discussed in Section 6.2.3 of the report.

K<sub>OC</sub> values were not calculated if either the porewater or sediment concentration of the PCB congener was not detected.

LDW – Lower Duwamish waterway

PCB – polychlorinated biphenyl

nc – not calculated

K<sub>OW</sub> – octanol-water partition coefficient

K<sub>OC</sub> – organic carbon-water partition coefficient

SD – standard deviation

**Table D-3. Dioxin/furan congener partition coefficients and TEFs**

Dioxin/Furan Congener	log K <sub>oc</sub> <sup>a</sup>	TEF <sup>b</sup>
2,3,7,8-TCDD	6.81	1
1,2,3,7,8-PeCDD	7.18	1
1,2,3,4,7,8-HxCDD	8.2	0.1
1,2,3,6,7,8-HxCDD	8.53	0.1
1,2,3,7,8,9-HxCDD	8.59	0.1
1,2,3,4,6,7,8-HpCDD	9.89	0.01
OCDD	10.9	0.0003
2,3,7,8-TCDF	6.87	0.1
1,2,3,7,8-PeCDF	7.28	0.03
2,3,4,7,8-PeCDF	7.38	0.3
1,2,3,4,7,8-HxCDF	7.97	0.1
1,2,3,6,7,8-HxCDF	8.16	0.1
1,2,3,7,8,9-HxCDF	6.97	0.1
2,3,4,6,7,8-HxCDF	8.04	0.1
1,2,3,4,6,7,8-HpCDF	9.37	0.01
1,2,3,4,7,8,9-HpCDF	8.74	0.01
OCDF	10.3	0.0003

<sup>a</sup> Lambert et al. (2011).

<sup>b</sup> Van den Berg et al. (2006).

HpCDD – heptachlorodibenzo-*p*-dioxin

HpCDF – heptachlorodibenzofuran

HxCDD – hexachlorodibenzo-*p*-dioxin

HxCDF – hexachlorodibenzofuran

K<sub>oc</sub> – organic carbon-water partition coefficient

OCDD – octachlorodibenzo-*p*-dioxin

OCDF – octachlorodibenzofuran

PeCDD – pentachlorodibenzo-*p*-dioxin

PeCDF – pentachlorodibenzofuran

TCDD – tetrachlorodibenzo-*p*-dioxin

TCDF – tetrachlorodibenzofuran

TEF – toxic equivalency factor

**Table D-4. TOC concentrations for sediment samples used for modelling dioxin/furan porewater concentrations**

Sample	TOC (% dw)
LDW18-SS-Comp01	1.94 J
LDW18-SS-Comp02	1.94 J
LDW18-SS-Comp03	1.67 J
LDW18-SS-Comp04	2.93 J
LDW18-SS-Comp05	1.47 J
LDW18-SS-Comp06	1.88 J
LDW18-SS-Comp07	2.26 J
LDW18-SS-Comp08	1.89 J
LDW18-SS-Comp09	1.95 J
LDW18-SS-Comp10	2.13 J
LDW18-SS-Comp11	1.90 J
LDW18-SS-Comp12	2.08 J
LDW18-SS-Comp13	1.49 J
LDW18-SS-Comp14	1.34 J
LDW18-SS-Comp15	2.10 J
LDW18-SS-Comp16	1.60 J
LDW18-SS-Comp17	1.85 J
LDW18-SS-Comp18	1.31 J
LDW18-SS-Comp19	1.74 J
LDW18-SS-Comp20	1.14 J
LDW18-SS-Comp21	2.35 J
LDW18-SS-Comp22	1.53 J
LDW18-SS-Comp23	1.35 J
LDW18-SS-Comp24	1.34 J
LDW18-SSOT-2100A-1	1.56 J
LDW18-SSOT-2100A-2	2.56 J
LDW18-SSOT-2507	2.07
LDW18-SSOT-CleanScapesB	2.12 J
LDW18-SSOT-SeattleDistCtr	2.06 J
LDW18-SSOT-T107Park	1.56 J
LDW18-SSOT-T107Park-FD	1.47 J

Note: Calculation of modelled dioxin/furan porewater concentrations discussed in Section 6.2.4 of the report.

dw – dry weight

TOC – total organic carbon

J – estimated concentration

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SS-Comp01	1,2,3,4,6,7,8-HpCDD	249	1.65E-03
LDW18-SS-Comp01	1,2,3,4,6,7,8-HpCDF	51.1	1.12E-03
LDW18-SS-Comp01	1,2,3,4,7,8,9-HpCDF	4.45	4.17E-04
LDW18-SS-Comp01	1,2,3,4,7,8-HxCDD	1.91	6.21E-04
LDW18-SS-Comp01	1,2,3,4,7,8-HxCDF	8.5	4.69E-03
LDW18-SS-Comp01	1,2,3,6,7,8-HxCDD	8.75	1.33E-03
LDW18-SS-Comp01	1,2,3,6,7,8-HxCDF	2.28	8.13E-04
LDW18-SS-Comp01	1,2,3,7,8,9-HxCDD	4.63	6.13E-04
LDW18-SS-Comp01	1,2,3,7,8,9-HxCDF	0.077 UJ EMPC	4.25E-04
LDW18-SS-Comp01	1,2,3,7,8-PeCDD	1.26	4.29E-03
LDW18-SS-Comp01	1,2,3,7,8-PeCDF	0.898 J	2.43E-03
LDW18-SS-Comp01	2,3,4,6,7,8-HxCDF	1.36	6.39E-04
LDW18-SS-Comp01	2,3,4,7,8-PeCDF	1.67	3.59E-03
LDW18-SS-Comp01	2,3,7,8-TCDD	0.312	2.49E-03
LDW18-SS-Comp01	2,3,7,8-TCDF	0.871	6.06E-03
LDW18-SS-Comp01	OCDD	2180	1.41E-03
LDW18-SS-Comp01	OCDF	151	3.90E-04
LDW18-SS-Comp01	dioxin/furan TEQ - mammal (half DL)	8.68 J	na
LDW18-SS-Comp02	1,2,3,4,6,7,8-HpCDD	374	2.48E-03
LDW18-SS-Comp02	1,2,3,4,6,7,8-HpCDF	57.1	1.26E-03
LDW18-SS-Comp02	1,2,3,4,7,8,9-HpCDF	4.13	3.87E-04
LDW18-SS-Comp02	1,2,3,4,7,8-HxCDD	2.26	7.35E-04
LDW18-SS-Comp02	1,2,3,4,7,8-HxCDF	6.92	3.82E-03
LDW18-SS-Comp02	1,2,3,6,7,8-HxCDD	10.4	1.58E-03
LDW18-SS-Comp02	1,2,3,6,7,8-HxCDF	2.26	8.06E-04
LDW18-SS-Comp02	1,2,3,7,8,9-HxCDD	4.87	6.45E-04
LDW18-SS-Comp02	1,2,3,7,8,9-HxCDF	0.142 J	7.84E-04
LDW18-SS-Comp02	1,2,3,7,8-PeCDD	1.31	4.46E-03
LDW18-SS-Comp02	1,2,3,7,8-PeCDF	0.91 J	2.46E-03
LDW18-SS-Comp02	2,3,4,6,7,8-HxCDF	1.58	7.43E-04
LDW18-SS-Comp02	2,3,4,7,8-PeCDF	1.88	4.04E-03
LDW18-SS-Comp02	2,3,7,8-TCDD	0.367	2.93E-03

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SS-Comp02	2,3,7,8-TCDF	1.08	7.51E-03
LDW18-SS-Comp02	Dioxin/furan TEQ - mammal (half DL)	10.5 J	na
LDW18-SS-Comp02	OCDD	2930	1.90E-03
LDW18-SS-Comp02	OCDF	185	4.78E-04
LDW18-SS-Comp03	1,2,3,4,6,7,8-HpCDD	533	4.11E-03
LDW18-SS-Comp03	1,2,3,4,6,7,8-HpCDF	56.5	1.44E-03
LDW18-SS-Comp03	1,2,3,4,7,8,9-HpCDF	4.65	5.07E-04
LDW18-SS-Comp03	1,2,3,4,7,8-HxCDD	2.14	8.09E-04
LDW18-SS-Comp03	1,2,3,4,7,8-HxCDF	6.83	4.38E-03
LDW18-SS-Comp03	1,2,3,6,7,8-HxCDD	11.2	1.98E-03
LDW18-SS-Comp03	1,2,3,6,7,8-HxCDF	2.24	9.28E-04
LDW18-SS-Comp03	1,2,3,7,8,9-HxCDD	5.47	8.42E-04
LDW18-SS-Comp03	1,2,3,7,8,9-HxCDF	0.0795 UJ EMPC	5.10E-04
LDW18-SS-Comp03	1,2,3,7,8-PeCDD	1.5	5.93E-03
LDW18-SS-Comp03	1,2,3,7,8-PeCDF	0.944	2.97E-03
LDW18-SS-Comp03	2,3,4,6,7,8-HxCDF	1.88	1.03E-03
LDW18-SS-Comp03	2,3,4,7,8-PeCDF	2.03	5.07E-03
LDW18-SS-Comp03	2,3,7,8-TCDD	0.47	4.36E-03
LDW18-SS-Comp03	2,3,7,8-TCDF	1.17	9.45E-03
LDW18-SS-Comp03	Dioxin/furan TEQ - mammal (half DL)	13.2	na
LDW18-SS-Comp03	OCDD	5090	3.84E-03
LDW18-SS-Comp03	OCDF	173	5.19E-04
LDW18-SS-Comp04	1,2,3,4,6,7,8-HpCDD	355	1.56E-03
LDW18-SS-Comp04	1,2,3,4,6,7,8-HpCDF	89.5	1.30E-03
LDW18-SS-Comp04	1,2,3,4,7,8,9-HpCDF	7.39	4.59E-04
LDW18-SS-Comp04	1,2,3,4,7,8-HxCDD	2.95	6.35E-04
LDW18-SS-Comp04	1,2,3,4,7,8-HxCDF	11.2	4.10E-03
LDW18-SS-Comp04	1,2,3,6,7,8-HxCDD	12.7	1.28E-03
LDW18-SS-Comp04	1,2,3,6,7,8-HxCDF	3.73	8.81E-04
LDW18-SS-Comp04	1,2,3,7,8,9-HxCDD	6.69	5.87E-04
LDW18-SS-Comp04	1,2,3,7,8,9-HxCDF	0.113 UJ EMPC	4.13E-04
LDW18-SS-Comp04	1,2,3,7,8-PeCDD	1.94	4.37E-03

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SS-Comp04	1,2,3,7,8-PeCDF	1.8	3.22E-03
LDW18-SS-Comp04	2,3,4,6,7,8-HxCDF	2.71	8.44E-04
LDW18-SS-Comp04	2,3,4,7,8-PeCDF	3.9	5.55E-03
LDW18-SS-Comp04	2,3,7,8-TCDD	0.53	2.80E-03
LDW18-SS-Comp04	2,3,7,8-TCDF	1.93	8.89E-03
LDW18-SS-Comp04	Dioxin/furan TEQ - mammal (half DL)	13.5	na
LDW18-SS-Comp04	OCDD	3180	1.37E-03
LDW18-SS-Comp04	OCDF	264	4.52E-04
LDW18-SS-Comp05	1,2,3,4,6,7,8-HpCDD	214	1.88E-03
LDW18-SS-Comp05	1,2,3,4,6,7,8-HpCDF	47.6	1.38E-03
LDW18-SS-Comp05	1,2,3,4,7,8,9-HpCDF	3.6	4.46E-04
LDW18-SS-Comp05	1,2,3,4,7,8-HxCDD	1.69	7.25E-04
LDW18-SS-Comp05	1,2,3,4,7,8-HxCDF	5.38	3.92E-03
LDW18-SS-Comp05	1,2,3,6,7,8-HxCDD	7.04	1.41E-03
LDW18-SS-Comp05	1,2,3,6,7,8-HxCDF	1.86	8.75E-04
LDW18-SS-Comp05	1,2,3,7,8,9-HxCDD	3.44	6.02E-04
LDW18-SS-Comp05	1,2,3,7,8,9-HxCDF	0.101 J	7.36E-04
LDW18-SS-Comp05	1,2,3,7,8-PeCDD	0.953	4.28E-03
LDW18-SS-Comp05	1,2,3,7,8-PeCDF	0.666 J	2.38E-03
LDW18-SS-Comp05	2,3,4,6,7,8-HxCDF	1.25	7.76E-04
LDW18-SS-Comp05	2,3,4,7,8-PeCDF	1.5	4.25E-03
LDW18-SS-Comp05	2,3,7,8-TCDD	0.139 U EMPC	1.46E-03
LDW18-SS-Comp05	2,3,7,8-TCDF	0.8	7.34E-03
LDW18-SS-Comp05	Dioxin/furan TEQ - mammal (half DL)	7.45 J	na
LDW18-SS-Comp05	OCDD	3410	2.92E-03
LDW18-SS-Comp05	OCDF	186	6.34E-04
LDW18-SS-Comp06	1,2,3,4,6,7,8-HpCDD	645	4.42E-03
LDW18-SS-Comp06	1,2,3,4,6,7,8-HpCDF	208	4.72E-03
LDW18-SS-Comp06	1,2,3,4,7,8,9-HpCDF	26	2.52E-03
LDW18-SS-Comp06	1,2,3,4,7,8-HxCDD	2.91	9.77E-04
LDW18-SS-Comp06	1,2,3,4,7,8-HxCDF	38.3	2.18E-02
LDW18-SS-Comp06	1,2,3,6,7,8-HxCDD	17.6	2.76E-03

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SS-Comp06	1,2,3,6,7,8-HxCDF	7.35	2.70E-03
LDW18-SS-Comp06	1,2,3,7,8,9-HxCDD	6.86	9.38E-04
LDW18-SS-Comp06	1,2,3,7,8,9-HxCDF	0.675 J	3.85E-03
LDW18-SS-Comp06	1,2,3,7,8-PeCDD	1.81	6.36E-03
LDW18-SS-Comp06	1,2,3,7,8-PeCDF	1.96	5.47E-03
LDW18-SS-Comp06	2,3,4,6,7,8-HxCDF	3.23	1.57E-03
LDW18-SS-Comp06	2,3,4,7,8-PeCDF	5.11	1.13E-02
LDW18-SS-Comp06	2,3,7,8-TCDD	0.581	4.79E-03
LDW18-SS-Comp06	2,3,7,8-TCDF	1.54	1.11E-02
LDW18-SS-Comp06	Dioxin/furan TEQ - mammal (half DL)	22.5 J	na
LDW18-SS-Comp06	OCDD	5370	3.60E-03
LDW18-SS-Comp06	OCDF	907	2.42E-03
LDW18-SS-Comp07	1,2,3,4,6,7,8-HpCDD	198	1.13E-03
LDW18-SS-Comp07	1,2,3,4,6,7,8-HpCDF	52.5	9.91E-04
LDW18-SS-Comp07	1,2,3,4,7,8,9-HpCDF	5.76	4.64E-04
LDW18-SS-Comp07	1,2,3,4,7,8-HxCDD	1.65	4.61E-04
LDW18-SS-Comp07	1,2,3,4,7,8-HxCDF	7.98	3.78E-03
LDW18-SS-Comp07	1,2,3,6,7,8-HxCDD	7.22	9.43E-04
LDW18-SS-Comp07	1,2,3,6,7,8-HxCDF	2.25	6.89E-04
LDW18-SS-Comp07	1,2,3,7,8,9-HxCDD	3.65	4.15E-04
LDW18-SS-Comp07	1,2,3,7,8,9-HxCDF	0.0835 UJ EMPC	3.96E-04
LDW18-SS-Comp07	1,2,3,7,8-PeCDD	1.07	3.13E-03
LDW18-SS-Comp07	1,2,3,7,8-PeCDF	0.991	2.30E-03
LDW18-SS-Comp07	2,3,4,6,7,8-HxCDF	1.33	5.37E-04
LDW18-SS-Comp07	2,3,4,7,8-PeCDF	2.03	3.74E-03
LDW18-SS-Comp07	2,3,7,8-TCDD	0.329	2.25E-03
LDW18-SS-Comp07	2,3,7,8-TCDF	1.23	7.34E-03
LDW18-SS-Comp07	Dioxin/furan TEQ - mammal (half DL)	7.7	na
LDW18-SS-Comp07	OCDD	1670	9.30E-04
LDW18-SS-Comp07	OCDF	211	4.68E-04
LDW18-SS-Comp08	1,2,3,4,6,7,8-HpCDD	343	2.34E-03
LDW18-SS-Comp08	1,2,3,4,6,7,8-HpCDF	75.7	1.71E-03

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SS-Comp08	1,2,3,4,7,8,9-HpCDF	6.83	6.58E-04
LDW18-SS-Comp08	1,2,3,4,7,8-HxCDD	2.34	7.81E-04
LDW18-SS-Comp08	1,2,3,4,7,8-HxCDF	8.2	4.65E-03
LDW18-SS-Comp08	1,2,3,6,7,8-HxCDD	10.8	1.69E-03
LDW18-SS-Comp08	1,2,3,6,7,8-HxCDF	2.7	9.88E-04
LDW18-SS-Comp08	1,2,3,7,8,9-HxCDD	6.54	8.89E-04
LDW18-SS-Comp08	1,2,3,7,8,9-HxCDF	0.112 UJ EMPC	6.35E-04
LDW18-SS-Comp08	1,2,3,7,8-PeCDD	1.79	6.26E-03
LDW18-SS-Comp08	1,2,3,7,8-PeCDF	1.03	2.86E-03
LDW18-SS-Comp08	2,3,4,6,7,8-HxCDF	1.7	8.20E-04
LDW18-SS-Comp08	2,3,4,7,8-PeCDF	2.49	5.49E-03
LDW18-SS-Comp08	2,3,7,8-TCDD	0.545	4.47E-03
LDW18-SS-Comp08	2,3,7,8-TCDF	1.2	8.56E-03
LDW18-SS-Comp08	Dioxin/furan TEQ - mammal (half DL)	11.8	na
LDW18-SS-Comp08	OCDD	3090	2.06E-03
LDW18-SS-Comp08	OCDF	357	9.47E-04
LDW18-SS-Comp09	1,2,3,4,6,7,8-HpCDD	358	2.37E-03
LDW18-SS-Comp09	1,2,3,4,6,7,8-HpCDF	70.2	1.54E-03
LDW18-SS-Comp09	1,2,3,4,7,8,9-HpCDF	5.68	5.30E-04
LDW18-SS-Comp09	1,2,3,4,7,8-HxCDD	3.12	1.01E-03
LDW18-SS-Comp09	1,2,3,4,7,8-HxCDF	10.7	5.88E-03
LDW18-SS-Comp09	1,2,3,6,7,8-HxCDD	11.6	1.76E-03
LDW18-SS-Comp09	1,2,3,6,7,8-HxCDF	3.26	1.16E-03
LDW18-SS-Comp09	1,2,3,7,8,9-HxCDD	6.64	8.75E-04
LDW18-SS-Comp09	1,2,3,7,8,9-HxCDF	0.13 UJ EMPC	7.14E-04
LDW18-SS-Comp09	1,2,3,7,8-PeCDD	1.93	6.54E-03
LDW18-SS-Comp09	1,2,3,7,8-PeCDF	1.2	3.23E-03
LDW18-SS-Comp09	2,3,4,6,7,8-HxCDF	2.05	9.59E-04
LDW18-SS-Comp09	2,3,4,7,8-PeCDF	2.52	5.39E-03
LDW18-SS-Comp09	2,3,7,8-TCDD	0.549	4.36E-03
LDW18-SS-Comp09	2,3,7,8-TCDF	1.2	8.30E-03
LDW18-SS-Comp09	Dioxin/furan TEQ - mammal (half DL)	12.5	na



**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SS-Comp09	OCDD	3030	1.96E-03
LDW18-SS-Comp09	OCDF	258	6.63E-04
LDW18-SS-Comp10	1,2,3,4,6,7,8-HpCDD	238	1.44E-03
LDW18-SS-Comp10	1,2,3,4,6,7,8-HpCDF	54.3 J	1.09E-03
LDW18-SS-Comp10	1,2,3,4,7,8,9-HpCDF	5.69 J	4.86E-04
LDW18-SS-Comp10	1,2,3,4,7,8-HxCDD	2.03	6.01E-04
LDW18-SS-Comp10	1,2,3,4,7,8-HxCDF	9.5 J	4.78E-03
LDW18-SS-Comp10	1,2,3,6,7,8-HxCDD	8.13	1.13E-03
LDW18-SS-Comp10	1,2,3,6,7,8-HxCDF	3.66 J	1.19E-03
LDW18-SS-Comp10	1,2,3,7,8,9-HxCDD	4.31	5.20E-04
LDW18-SS-Comp10	1,2,3,7,8,9-HxCDF	0.281 J	1.41E-03
LDW18-SS-Comp10	1,2,3,7,8-PeCDD	1.51	4.68E-03
LDW18-SS-Comp10	1,2,3,7,8-PeCDF	1.42 J	3.50E-03
LDW18-SS-Comp10	2,3,4,6,7,8-HxCDF	3.85 J	1.65E-03
LDW18-SS-Comp10	2,3,4,7,8-PeCDF	3.63 J	7.10E-03
LDW18-SS-Comp10	2,3,7,8-TCDD	0.383 J	2.78E-03
LDW18-SS-Comp10	2,3,7,8-TCDF	1.13 J	7.16E-03
LDW18-SS-Comp10	Dioxin/furan TEQ - mammal (half DL)	10 J	na
LDW18-SS-Comp10	OCDD	2210	1.31E-03
LDW18-SS-Comp10	OCDF	194 J	4.56E-04
LDW18-SS-Comp11	1,2,3,4,6,7,8-HpCDD	1170	7.93E-03
LDW18-SS-Comp11	1,2,3,4,6,7,8-HpCDF	74.6	1.67E-03
LDW18-SS-Comp11	1,2,3,4,7,8,9-HpCDF	10	9.58E-04
LDW18-SS-Comp11	1,2,3,4,7,8-HxCDD	6.9	2.29E-03
LDW18-SS-Comp11	1,2,3,4,7,8-HxCDF	22.1	1.25E-02
LDW18-SS-Comp11	1,2,3,6,7,8-HxCDD	25.5	3.96E-03
LDW18-SS-Comp11	1,2,3,6,7,8-HxCDF	4.81	1.75E-03
LDW18-SS-Comp11	1,2,3,7,8,9-HxCDD	13.8	1.87E-03
LDW18-SS-Comp11	1,2,3,7,8,9-HxCDF	0.503 J	2.84E-03
LDW18-SS-Comp11	1,2,3,7,8-PeCDD	1.54 J	5.36E-03
LDW18-SS-Comp11	1,2,3,7,8-PeCDF	1.82 J	5.03E-03
LDW18-SS-Comp11	2,3,4,6,7,8-HxCDF	2.65	1.27E-03

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SS-Comp11	2,3,4,7,8-PeCDF	11.5	2.52E-02
LDW18-SS-Comp11	2,3,7,8-TCDD	0.301 J	2.45E-03
LDW18-SS-Comp11	2,3,7,8-TCDF	2	1.42E-02
LDW18-SS-Comp11	Dioxin/furan TEQ - mammal (half DL)	27.7 J	na
LDW18-SS-Comp11	OCDD	6500	4.31E-03
LDW18-SS-Comp11	OCDF	270	7.12E-04
LDW18-SS-Comp12	1,2,3,4,6,7,8-HpCDD	246	1.52E-03
LDW18-SS-Comp12	1,2,3,4,6,7,8-HpCDF	54.6	1.12E-03
LDW18-SS-Comp12	1,2,3,4,7,8,9-HpCDF	5.27	4.61E-04
LDW18-SS-Comp12	1,2,3,4,7,8-HxCDD	1.92	5.82E-04
LDW18-SS-Comp12	1,2,3,4,7,8-HxCDF	7.42	3.82E-03
LDW18-SS-Comp12	1,2,3,6,7,8-HxCDD	8.07	1.15E-03
LDW18-SS-Comp12	1,2,3,6,7,8-HxCDF	2.3	7.65E-04
LDW18-SS-Comp12	1,2,3,7,8,9-HxCDD	5.14	6.35E-04
LDW18-SS-Comp12	1,2,3,7,8,9-HxCDF	0.079 UJ EMPC	4.07E-04
LDW18-SS-Comp12	1,2,3,7,8-PeCDD	1.38	4.38E-03
LDW18-SS-Comp12	1,2,3,7,8-PeCDF	0.874 J	2.21E-03
LDW18-SS-Comp12	2,3,4,6,7,8-HxCDF	1.48	6.49E-04
LDW18-SS-Comp12	2,3,4,7,8-PeCDF	1.85	3.71E-03
LDW18-SS-Comp12	2,3,7,8-TCDD	0.459	3.42E-03
LDW18-SS-Comp12	2,3,7,8-TCDF	0.918	5.95E-03
LDW18-SS-Comp12	Dioxin/furan TEQ - mammal (half DL)	8.92 J	na
LDW18-SS-Comp12	OCDD	2150	1.30E-03
LDW18-SS-Comp12	OCDF	211	5.08E-04
LDW18-SS-Comp13	1,2,3,4,6,7,8-HpCDD	334	2.89E-03
LDW18-SS-Comp13	1,2,3,4,6,7,8-HpCDF	45.7	1.31E-03
LDW18-SS-Comp13	1,2,3,4,7,8,9-HpCDF	3.92	4.79E-04
LDW18-SS-Comp13	1,2,3,4,7,8-HxCDD	2.94	1.24E-03
LDW18-SS-Comp13	1,2,3,4,7,8-HxCDF	5.73	4.12E-03
LDW18-SS-Comp13	1,2,3,6,7,8-HxCDD	11.2	2.22E-03
LDW18-SS-Comp13	1,2,3,6,7,8-HxCDF	2	9.29E-04
LDW18-SS-Comp13	1,2,3,7,8,9-HxCDD	6.94	1.20E-03

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SS-Comp13	1,2,3,7,8,9-HxCDF	0.093 UJ EMPC	6.69E-04
LDW18-SS-Comp13	1,2,3,7,8-PeCDD	1.66	7.36E-03
LDW18-SS-Comp13	1,2,3,7,8-PeCDF	1.06	3.73E-03
LDW18-SS-Comp13	2,3,4,6,7,8-HxCDF	1.46	8.94E-04
LDW18-SS-Comp13	2,3,4,7,8-PeCDF	1.76	4.92E-03
LDW18-SS-Comp13	2,3,7,8-TCDD	0.418	4.35E-03
LDW18-SS-Comp13	2,3,7,8-TCDF	0.961	8.70E-03
LDW18-SS-Comp13	Dioxin/furan TEQ - mammal (half DL)	10.4	na
LDW18-SS-Comp13	OCDD	2500	2.11E-03
LDW18-SS-Comp13	OCDF	141	4.74E-04
LDW18-SS-Comp14	1,2,3,4,6,7,8-HpCDD	210	2.02E-03
LDW18-SS-Comp14	1,2,3,4,6,7,8-HpCDF	41.4	1.32E-03
LDW18-SS-Comp14	1,2,3,4,7,8,9-HpCDF	3.34	4.54E-04
LDW18-SS-Comp14	1,2,3,4,7,8-HxCDD	2	9.42E-04
LDW18-SS-Comp14	1,2,3,4,7,8-HxCDF	5.61	4.49E-03
LDW18-SS-Comp14	1,2,3,6,7,8-HxCDD	7.16	1.58E-03
LDW18-SS-Comp14	1,2,3,6,7,8-HxCDF	1.88	9.71E-04
LDW18-SS-Comp14	1,2,3,7,8,9-HxCDD	5.21	9.99E-04
LDW18-SS-Comp14	1,2,3,7,8,9-HxCDF	0.066 UJ EMPC	5.28E-04
LDW18-SS-Comp14	1,2,3,7,8-PeCDD	1.34	6.61E-03
LDW18-SS-Comp14	1,2,3,7,8-PeCDF	0.705 J	2.76E-03
LDW18-SS-Comp14	2,3,4,6,7,8-HxCDF	1.35	9.19E-04
LDW18-SS-Comp14	2,3,4,7,8-PeCDF	1.43	4.45E-03
LDW18-SS-Comp14	2,3,7,8-TCDD	0.418	4.83E-03
LDW18-SS-Comp14	2,3,7,8-TCDF	0.805	8.10E-03
LDW18-SS-Comp14	Dioxin/furan TEQ - mammal (half DL)	7.78 J	na
LDW18-SS-Comp14	OCDD	1890	1.78E-03
LDW18-SS-Comp14	OCDF	163	6.10E-04
LDW18-SS-Comp15	1,2,3,4,6,7,8-HpCDD	129	7.91E-04
LDW18-SS-Comp15	1,2,3,4,6,7,8-HpCDF	25.7	5.22E-04
LDW18-SS-Comp15	1,2,3,4,7,8,9-HpCDF	2.41	2.09E-04
LDW18-SS-Comp15	1,2,3,4,7,8-HxCDD	1.31	3.94E-04

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SS-Comp15	1,2,3,4,7,8-HxCDF	3.83	1.95E-03
LDW18-SS-Comp15	1,2,3,6,7,8-HxCDD	4.76	6.69E-04
LDW18-SS-Comp15	1,2,3,6,7,8-HxCDF	1.3	4.28E-04
LDW18-SS-Comp15	1,2,3,7,8,9-HxCDD	2.95	3.61E-04
LDW18-SS-Comp15	1,2,3,7,8,9-HxCDF	0.118 J	6.02E-04
LDW18-SS-Comp15	1,2,3,7,8-PeCDD	0.849 J	2.67E-03
LDW18-SS-Comp15	1,2,3,7,8-PeCDF	0.437 J	1.09E-03
LDW18-SS-Comp15	2,3,4,6,7,8-HxCDF	0.813 J	3.53E-04
LDW18-SS-Comp15	2,3,4,7,8-PeCDF	0.96 J	1.91E-03
LDW18-SS-Comp15	2,3,7,8-TCDD	0.324	2.39E-03
LDW18-SS-Comp15	2,3,7,8-TCDF	0.578	3.71E-03
LDW18-SS-Comp15	Dioxin/furan TEQ - mammal (half DL)	4.98 J	na
LDW18-SS-Comp15	OCDD	1150	6.89E-04
LDW18-SS-Comp15	OCDF	81.9	1.95E-04
LDW18-SS-Comp16	1,2,3,4,6,7,8-HpCDD	130	1.05E-03
LDW18-SS-Comp16	1,2,3,4,6,7,8-HpCDF	22.8	6.08E-04
LDW18-SS-Comp16	1,2,3,4,7,8,9-HpCDF	2.31	2.63E-04
LDW18-SS-Comp16	1,2,3,4,7,8-HxCDD	1.06	4.18E-04
LDW18-SS-Comp16	1,2,3,4,7,8-HxCDF	2.57	1.72E-03
LDW18-SS-Comp16	1,2,3,6,7,8-HxCDD	4.19	7.73E-04
LDW18-SS-Comp16	1,2,3,6,7,8-HxCDF	0.965 J	4.17E-04
LDW18-SS-Comp16	1,2,3,7,8,9-HxCDD	2.62	4.21E-04
LDW18-SS-Comp16	1,2,3,7,8,9-HxCDF	0.08 J	5.36E-04
LDW18-SS-Comp16	1,2,3,7,8-PeCDD	0.343 U EMPC	1.42E-03
LDW18-SS-Comp16	1,2,3,7,8-PeCDF	0.385 J	1.26E-03
LDW18-SS-Comp16	2,3,4,6,7,8-HxCDF	0.648 J	3.69E-04
LDW18-SS-Comp16	2,3,4,7,8-PeCDF	0.715 J	1.86E-03
LDW18-SS-Comp16	2,3,7,8-TCDD	0.133 U EMPC	1.29E-03
LDW18-SS-Comp16	2,3,7,8-TCDF	0.452	3.81E-03
LDW18-SS-Comp16	Dioxin/furan TEQ - mammal (half DL)	3.88 J	na
LDW18-SS-Comp16	OCDD	1140	8.97E-04
LDW18-SS-Comp16	OCDF	90.8	2.84E-04

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SS-Comp17	1,2,3,4,6,7,8-HpCDD	80.1	5.58E-04
LDW18-SS-Comp17	1,2,3,4,6,7,8-HpCDF	17.9	4.13E-04
LDW18-SS-Comp17	1,2,3,4,7,8,9-HpCDF	1.58	1.55E-04
LDW18-SS-Comp17	1,2,3,4,7,8-HxCDD	0.812 J	2.77E-04
LDW18-SS-Comp17	1,2,3,4,7,8-HxCDF	2.06	1.19E-03
LDW18-SS-Comp17	1,2,3,6,7,8-HxCDD	2.9	4.63E-04
LDW18-SS-Comp17	1,2,3,6,7,8-HxCDF	0.823 J	3.08E-04
LDW18-SS-Comp17	1,2,3,7,8,9-HxCDD	1.75	2.43E-04
LDW18-SS-Comp17	1,2,3,7,8,9-HxCDF	0.032 UJ EMPC	1.85E-04
LDW18-SS-Comp17	1,2,3,7,8-PeCDD	0.498 J	1.78E-03
LDW18-SS-Comp17	1,2,3,7,8-PeCDF	0.319 J	9.05E-04
LDW18-SS-Comp17	2,3,4,6,7,8-HxCDF	0.638 J	3.15E-04
LDW18-SS-Comp17	2,3,4,7,8-PeCDF	0.631 J	1.42E-03
LDW18-SS-Comp17	2,3,7,8-TCDD	0.229	1.92E-03
LDW18-SS-Comp17	2,3,7,8-TCDF	0.405	2.95E-03
LDW18-SS-Comp17	Dioxin/furan TEQ - mammal (half DL)	3.09 J	na
LDW18-SS-Comp17	OCDD	696	4.74E-04
LDW18-SS-Comp17	OCDF	55.2	1.50E-04
LDW18-SS-Comp18	1,2,3,4,6,7,8-HpCDD	42.7	4.20E-04
LDW18-SS-Comp18	1,2,3,4,6,7,8-HpCDF	9.07	2.95E-04
LDW18-SS-Comp18	1,2,3,4,7,8,9-HpCDF	0.784 J	1.09E-04
LDW18-SS-Comp18	1,2,3,4,7,8-HxCDD	0.524 J	2.52E-04
LDW18-SS-Comp18	1,2,3,4,7,8-HxCDF	1.28	1.05E-03
LDW18-SS-Comp18	1,2,3,6,7,8-HxCDD	1.69	3.81E-04
LDW18-SS-Comp18	1,2,3,6,7,8-HxCDF	0.449 J	2.37E-04
LDW18-SS-Comp18	1,2,3,7,8,9-HxCDD	1.08	2.12E-04
LDW18-SS-Comp18	1,2,3,7,8,9-HxCDF	0.022 UJ	1.80E-04
LDW18-SS-Comp18	1,2,3,7,8-PeCDD	0.336 J	1.69E-03
LDW18-SS-Comp18	1,2,3,7,8-PeCDF	0.104 U EMPC	4.17E-04
LDW18-SS-Comp18	2,3,4,6,7,8-HxCDF	0.351 J	2.44E-04
LDW18-SS-Comp18	2,3,4,7,8-PeCDF	0.353 J	1.12E-03
LDW18-SS-Comp18	2,3,7,8-TCDD	0.178	2.10E-03

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SS-Comp18	2,3,7,8-TCDF	0.231	2.38E-03
LDW18-SS-Comp18	Dioxin/furan TEQ - mammal (half DL)	1.82 J	na
LDW18-SS-Comp18	OCDD	351	3.37E-04
LDW18-SS-Comp18	OCDF	26.3	1.01E-04
LDW18-SS-Comp19	1,2,3,4,6,7,8-HpCDD	54.6	4.04E-04
LDW18-SS-Comp19	1,2,3,4,6,7,8-HpCDF	13.5	3.31E-04
LDW18-SS-Comp19	1,2,3,4,7,8,9-HpCDF	1.19	1.24E-04
LDW18-SS-Comp19	1,2,3,4,7,8-HxCDD	0.526 J	1.91E-04
LDW18-SS-Comp19	1,2,3,4,7,8-HxCDF	1.37	8.44E-04
LDW18-SS-Comp19	1,2,3,6,7,8-HxCDD	1.9	3.22E-04
LDW18-SS-Comp19	1,2,3,6,7,8-HxCDF	0.505 J	2.01E-04
LDW18-SS-Comp19	1,2,3,7,8,9-HxCDD	1.29	1.91E-04
LDW18-SS-Comp19	1,2,3,7,8,9-HxCDF	0.0234 UJ	1.44E-04
LDW18-SS-Comp19	1,2,3,7,8-PeCDD	0.34 J	1.29E-03
LDW18-SS-Comp19	1,2,3,7,8-PeCDF	0.222 J	6.70E-04
LDW18-SS-Comp19	2,3,4,6,7,8-HxCDF	0.37 J	1.94E-04
LDW18-SS-Comp19	2,3,4,7,8-PeCDF	0.322 J	7.71E-04
LDW18-SS-Comp19	2,3,7,8-TCDD	0.0795 U EMPC	7.08E-04
LDW18-SS-Comp19	2,3,7,8-TCDF	0.114 U EMPC	8.84E-04
LDW18-SS-Comp19	Dioxin/furan TEQ - mammal (half DL)	1.97 J	na
LDW18-SS-Comp19	OCDD	419	3.03E-04
LDW18-SS-Comp19	OCDF	49.5	1.43E-04
LDW18-SS-Comp20	1,2,3,4,6,7,8-HpCDD	70.3	7.94E-04
LDW18-SS-Comp20	1,2,3,4,6,7,8-HpCDF	16.1	6.02E-04
LDW18-SS-Comp20	1,2,3,4,7,8,9-HpCDF	1.18	1.88E-04
LDW18-SS-Comp20	1,2,3,4,7,8-HxCDD	0.824 J	4.56E-04
LDW18-SS-Comp20	1,2,3,4,7,8-HxCDF	1.97	1.85E-03
LDW18-SS-Comp20	1,2,3,6,7,8-HxCDD	2.56	6.63E-04
LDW18-SS-Comp20	1,2,3,6,7,8-HxCDF	0.861 J	5.23E-04
LDW18-SS-Comp20	1,2,3,7,8,9-HxCDD	1.88	4.24E-04
LDW18-SS-Comp20	1,2,3,7,8,9-HxCDF	0.078 J	7.33E-04
LDW18-SS-Comp20	1,2,3,7,8-PeCDD	0.486 J	2.82E-03

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SS-Comp20	1,2,3,7,8-PeCDF	0.447 J	2.06E-03
LDW18-SS-Comp20	2,3,4,6,7,8-HxCDF	0.296 U EMPC	2.37E-04
LDW18-SS-Comp20	2,3,4,7,8-PeCDF	0.632 J	2.31E-03
LDW18-SS-Comp20	2,3,7,8-TCDD	0.23	3.12E-03
LDW18-SS-Comp20	2,3,7,8-TCDF	0.578	6.84E-03
LDW18-SS-Comp20	Dioxin/furan TEQ - mammal (half DL)	2.91 J	na
LDW18-SS-Comp20	OCDD	655	7.23E-04
LDW18-SS-Comp20	OCDF	44.8	1.97E-04
LDW18-SS-Comp21	1,2,3,4,6,7,8-HpCDD	89.3	4.90E-04
LDW18-SS-Comp21	1,2,3,4,6,7,8-HpCDF	17.5	3.18E-04
LDW18-SS-Comp21	1,2,3,4,7,8,9-HpCDF	1.59	1.23E-04
LDW18-SS-Comp21	1,2,3,4,7,8-HxCDD	1.06	2.85E-04
LDW18-SS-Comp21	1,2,3,4,7,8-HxCDF	2.33	1.06E-03
LDW18-SS-Comp21	1,2,3,6,7,8-HxCDD	3.27	4.11E-04
LDW18-SS-Comp21	1,2,3,6,7,8-HxCDF	0.902 J	2.66E-04
LDW18-SS-Comp21	1,2,3,7,8,9-HxCDD	2.5	2.73E-04
LDW18-SS-Comp21	1,2,3,7,8,9-HxCDF	0.0315U	1.44E-04
LDW18-SS-Comp21	1,2,3,7,8-PeCDD	0.636 J	1.79E-03
LDW18-SS-Comp21	1,2,3,7,8-PeCDF	0.201 U EMPC	4.49E-04
LDW18-SS-Comp21	2,3,4,6,7,8-HxCDF	0.634 J	2.46E-04
LDW18-SS-Comp21	2,3,4,7,8-PeCDF	0.627 J	1.11E-03
LDW18-SS-Comp21	2,3,7,8-TCDD	0.459	3.03E-03
LDW18-SS-Comp21	2,3,7,8-TCDF	0.526	3.02E-03
LDW18-SS-Comp21	Dioxin/furan TEQ - mammal (half DL)	3.73 J	na
LDW18-SS-Comp21	OCDD	706	3.78E-04
LDW18-SS-Comp21	OCDF	52.5	1.12E-04
LDW18-SS-Comp22	1,2,3,4,6,7,8-HpCDD	47.3	3.98E-04
LDW18-SS-Comp22	1,2,3,4,6,7,8-HpCDF	12.6	3.51E-04
LDW18-SS-Comp22	1,2,3,4,7,8,9-HpCDF	0.824 J	9.80E-05
LDW18-SS-Comp22	1,2,3,4,7,8-HxCDD	0.865 J	3.57E-04
LDW18-SS-Comp22	1,2,3,4,7,8-HxCDF	1.04	7.28E-04
LDW18-SS-Comp22	1,2,3,6,7,8-HxCDD	2.09	4.03E-04

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SS-Comp22	1,2,3,6,7,8-HxCDF	0.629 J	2.84E-04
LDW18-SS-Comp22	1,2,3,7,8,9-HxCDD	2.17	3.65E-04
LDW18-SS-Comp22	1,2,3,7,8,9-HxCDF	0.0238 U	1.67E-04
LDW18-SS-Comp22	1,2,3,7,8-PeCDD	0.324 U EMPC	1.40E-03
LDW18-SS-Comp22	1,2,3,7,8-PeCDF	0.08 U EMPC	2.74E-04
LDW18-SS-Comp22	2,3,4,6,7,8-HxCDF	0.472 J	2.81E-04
LDW18-SS-Comp22	2,3,4,7,8-PeCDF	0.29 J	7.90E-04
LDW18-SS-Comp22	2,3,7,8-TCDD	0.208 J	2.11E-03
LDW18-SS-Comp22	2,3,7,8-TCDF	0.239	2.11E-03
LDW18-SS-Comp22	Dioxin/furan TEQ - mammal (half DL)	2.13 J	na
LDW18-SS-Comp22	OCDD	451	3.71E-04
LDW18-SS-Comp22	OCDF	28.3	9.27E-05
LDW18-SS-Comp23	1,2,3,4,6,7,8-HpCDD	64.6	6.16E-04
LDW18-SS-Comp23	1,2,3,4,6,7,8-HpCDF	24.8	7.84E-04
LDW18-SS-Comp23	1,2,3,4,7,8,9-HpCDF	2.6	3.50E-04
LDW18-SS-Comp23	1,2,3,4,7,8-HxCDD	0.978	4.57E-04
LDW18-SS-Comp23	1,2,3,4,7,8-HxCDF	1.11	8.81E-04
LDW18-SS-Comp23	1,2,3,6,7,8-HxCDD	2.58	5.64E-04
LDW18-SS-Comp23	1,2,3,6,7,8-HxCDF	0.637 J	3.26E-04
LDW18-SS-Comp23	1,2,3,7,8,9-HxCDD	1.39	2.65E-04
LDW18-SS-Comp23	1,2,3,7,8,9-HxCDF	0.0585 U	4.64E-04
LDW18-SS-Comp23	1,2,3,7,8-PeCDD	0.377 J	1.85E-03
LDW18-SS-Comp23	1,2,3,7,8-PeCDF	0.161 J	6.26E-04
LDW18-SS-Comp23	2,3,4,6,7,8-HxCDF	0.399 J	2.70E-04
LDW18-SS-Comp23	2,3,4,7,8-PeCDF	0.212 J	6.55E-04
LDW18-SS-Comp23	2,3,7,8-TCDD	0.0675 U EMPC	7.74E-04
LDW18-SS-Comp23	2,3,7,8-TCDF	0.0865 U EMPC	8.64E-04
LDW18-SS-Comp23	Dioxin/furan TEQ - mammal (half DL)	2.32 J	na
LDW18-SS-Comp23	OCDD	429	4.00E-04
LDW18-SS-Comp23	OCDF	129	4.79E-04
LDW18-SS-Comp24	1,2,3,4,6,7,8-HpCDD	11.4	1.10E-04
LDW18-SS-Comp24	1,2,3,4,6,7,8-HpCDF	2.32	7.39E-05



**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SS-Comp24	1,2,3,4,7,8,9-HpCDF	0.185 J	2.51E-05
LDW18-SS-Comp24	1,2,3,4,7,8-HxCDD	0.0855 U EMPC	4.03E-05
LDW18-SS-Comp24	1,2,3,4,7,8-HxCDF	0.219 J	1.75E-04
LDW18-SS-Comp24	1,2,3,6,7,8-HxCDD	0.491 J	1.08E-04
LDW18-SS-Comp24	1,2,3,6,7,8-HxCDF	0.124 J	6.40E-05
LDW18-SS-Comp24	1,2,3,7,8,9-HxCDD	0.394 J	7.56E-05
LDW18-SS-Comp24	1,2,3,7,8,9-HxCDF	0.0244	1.95E-04
LDW18-SS-Comp24	1,2,3,7,8-PeCDD	0.0765 U EMPC	3.77E-04
LDW18-SS-Comp24	1,2,3,7,8-PeCDF	0.117 J	4.58E-04
LDW18-SS-Comp24	2,3,4,6,7,8-HxCDF	0.103 J	7.01E-05
LDW18-SS-Comp24	2,3,4,7,8-PeCDF	0.0505 U EMPC	1.57E-04
LDW18-SS-Comp24	2,3,7,8-TCDD	0.05 U EMPC	5.78E-04
LDW18-SS-Comp24	2,3,7,8-TCDF	0.055 U EMPC	5.54E-04
LDW18-SS-Comp24	Dioxin/furan TEQ - mammal (half DL)	0.462 J	na
LDW18-SS-Comp24	OCDD	87.9	8.26E-05
LDW18-SS-Comp24	OCDF	4.84	1.81E-05
LDW18-SSOT-2100A-1	1,2,3,4,6,7,8-HpCDD	152	1.26E-03
LDW18-SSOT-2100A-1	1,2,3,4,6,7,8-HpCDF	17.9	4.89E-04
LDW18-SSOT-2100A-1	1,2,3,4,7,8,9-HpCDF	1.33	1.55E-04
LDW18-SSOT-2100A-1	1,2,3,4,7,8-HxCDD	3.34	1.35E-03
LDW18-SSOT-2100A-1	1,2,3,4,7,8-HxCDF	2.13	1.46E-03
LDW18-SSOT-2100A-1	1,2,3,6,7,8-HxCDD	16.4	3.10E-03
LDW18-SSOT-2100A-1	1,2,3,6,7,8-HxCDF	1.67	7.41E-04
LDW18-SSOT-2100A-1	1,2,3,7,8,9-HxCDD	25.4	4.19E-03
LDW18-SSOT-2100A-1	1,2,3,7,8,9-HxCDF	0.118 J	8.11E-04
LDW18-SSOT-2100A-1	1,2,3,7,8-PeCDD	11.7	4.96E-02
LDW18-SSOT-2100A-1	1,2,3,7,8-PeCDF	0.602 J	2.03E-03
LDW18-SSOT-2100A-1	2,3,4,6,7,8-HxCDF	0.874 J	5.11E-04
LDW18-SSOT-2100A-1	2,3,4,7,8-PeCDF	0.718 J	1.92E-03
LDW18-SSOT-2100A-1	2,3,7,8-TCDD	2.69	2.67E-02
LDW18-SSOT-2100A-1	2,3,7,8-TCDF	0.416	3.60E-03
LDW18-SSOT-2100A-1	Dioxin/furan TEQ - mammal (half DL)	21.7 J	na

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SSOT-2100A-1	OCDD	1070	8.63E-04
LDW18-SSOT-2100A-1	OCDF	35.7	1.15E-04
LDW18-SSOT-2100A-2	1,2,3,4,6,7,8-HpCDD	176	8.86E-04
LDW18-SSOT-2100A-2	1,2,3,4,6,7,8-HpCDF	18.9	3.15E-04
LDW18-SSOT-2100A-2	1,2,3,4,7,8,9-HpCDF	1.28	9.10E-05
LDW18-SSOT-2100A-2	1,2,3,4,7,8-HxCDD	2.39	5.89E-04
LDW18-SSOT-2100A-2	1,2,3,4,7,8-HxCDF	2.25	9.42E-04
LDW18-SSOT-2100A-2	1,2,3,6,7,8-HxCDD	9.48	1.09E-03
LDW18-SSOT-2100A-2	1,2,3,6,7,8-HxCDF	1.19	3.22E-04
LDW18-SSOT-2100A-2	1,2,3,7,8,9-HxCDD	9.98	1.00E-03
LDW18-SSOT-2100A-2	1,2,3,7,8,9-HxCDF	0.105 J	4.39E-04
LDW18-SSOT-2100A-2	1,2,3,7,8-PeCDD	6.12	1.58E-02
LDW18-SSOT-2100A-2	1,2,3,7,8-PeCDF	0.577 J	1.18E-03
LDW18-SSOT-2100A-2	2,3,4,6,7,8-HxCDF	0.751 J	2.68E-04
LDW18-SSOT-2100A-2	2,3,4,7,8-PeCDF	0.652 J	1.06E-03
LDW18-SSOT-2100A-2	2,3,7,8-TCDD	2.58	1.56E-02
LDW18-SSOT-2100A-2	2,3,7,8-TCDF	0.339	1.79E-03
LDW18-SSOT-2100A-2	Dioxin/furan TEQ - mammal (half DL)	14 J	na
LDW18-SSOT-2100A-2	OCDD	1490	7.33E-04
LDW18-SSOT-2100A-2	OCDF	37.1	7.26E-05
LDW18-SSOT-2507	1,2,3,4,6,7,8-HpCDD	178	1.11E-03
LDW18-SSOT-2507	1,2,3,4,6,7,8-HpCDF	27	5.56E-04
LDW18-SSOT-2507	1,2,3,4,7,8,9-HpCDF	1.88	1.65E-04
LDW18-SSOT-2507	1,2,3,4,7,8-HxCDD	2.4	7.32E-04
LDW18-SSOT-2507	1,2,3,4,7,8-HxCDF	3.81	1.97E-03
LDW18-SSOT-2507	1,2,3,6,7,8-HxCDD	7.1	1.01E-03
LDW18-SSOT-2507	1,2,3,6,7,8-HxCDF	1.7	5.68E-04
LDW18-SSOT-2507	1,2,3,7,8,9-HxCDD	5.56	6.90E-04
LDW18-SSOT-2507	1,2,3,7,8,9-HxCDF	0.154 J	7.97E-04
LDW18-SSOT-2507	1,2,3,7,8-PeCDD	1.54	4.92E-03
LDW18-SSOT-2507	1,2,3,7,8-PeCDF	0.737 J	1.87E-03
LDW18-SSOT-2507	2,3,4,6,7,8-HxCDF	1.24	5.46E-04

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SSOT-2507	2,3,4,7,8-PeCDF	1.14 J	2.30E-03
LDW18-SSOT-2507	2,3,7,8-TCDD	0.378	2.83E-03
LDW18-SSOT-2507	2,3,7,8-TCDF	1.05	6.84E-03
LDW18-SSOT-2507	Dioxin/furan TEQ - mammal (half DL)	7.22 J	na
LDW18-SSOT-2507	OCDD	1850	1.13E-03
LDW18-SSOT-2507	OCDF	53.8	1.30E-04
LDW18-SSOT-5thAveS	1,2,3,4,6,7,8-HpCDD	393	3.29E-03
LDW18-SSOT-5thAveS	1,2,3,4,6,7,8-HpCDF	63.8	1.77E-03
LDW18-SSOT-5thAveS	1,2,3,4,7,8,9-HpCDF	3.33	3.93E-04
LDW18-SSOT-5thAveS	1,2,3,4,7,8-HxCDD	8.46	3.47E-03
LDW18-SSOT-5thAveS	1,2,3,4,7,8-HxCDF	133	9.25E-02
LDW18-SSOT-5thAveS	1,2,3,6,7,8-HxCDD	44.1	8.45E-03
LDW18-SSOT-5thAveS	1,2,3,6,7,8-HxCDF	45.7	2.05E-02
LDW18-SSOT-5thAveS	1,2,3,7,8,9-HxCDD	33.8	5.64E-03
LDW18-SSOT-5thAveS	1,2,3,7,8,9-HxCDF	0.253 J	1.76E-03
LDW18-SSOT-5thAveS	1,2,3,7,8-PeCDD	20.2	8.67E-02
LDW18-SSOT-5thAveS	1,2,3,7,8-PeCDF	65.9	2.25E-01
LDW18-SSOT-5thAveS	2,3,4,6,7,8-HxCDF	20.6	1.22E-02
LDW18-SSOT-5thAveS	2,3,4,7,8-PeCDF	523	1.42E+00
LDW18-SSOT-5thAveS	2,3,7,8-TCDD	2.52	2.53E-02
LDW18-SSOT-5thAveS	2,3,7,8-TCDF	309	2.71E+00
LDW18-SSOT-5thAveS	Dioxin/furan TEQ - mammal (half DL)	247 J	na
LDW18-SSOT-5thAveS	OCDD	3080	2.52E-03
LDW18-SSOT-5thAveS	OCDF	90.4	2.94E-04
LDW18-SSOT-CleanScapesB	1,2,3,4,6,7,8-HpCDD	253	1.54E-03
LDW18-SSOT-CleanScapesB	1,2,3,4,6,7,8-HpCDF	25.1	5.05E-04
LDW18-SSOT-CleanScapesB	1,2,3,4,7,8,9-HpCDF	2.83	2.43E-04
LDW18-SSOT-CleanScapesB	1,2,3,4,7,8-HxCDD	1.66	4.94E-04
LDW18-SSOT-CleanScapesB	1,2,3,4,7,8-HxCDF	3.68	1.86E-03
LDW18-SSOT-CleanScapesB	1,2,3,6,7,8-HxCDD	5.46	7.60E-04
LDW18-SSOT-CleanScapesB	1,2,3,6,7,8-HxCDF	1.49 J	4.86E-04
LDW18-SSOT-CleanScapesB	1,2,3,7,8,9-HxCDD	3.26	3.95E-04

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SSOT-CleanScapesB	1,2,3,7,8,9-HxCDF	0.112 J	5.66E-04
LDW18-SSOT-CleanScapesB	1,2,3,7,8-PeCDD	0.84 J	2.62E-03
LDW18-SSOT-CleanScapesB	1,2,3,7,8-PeCDF	0.514 J	1.27E-03
LDW18-SSOT-CleanScapesB	2,3,4,6,7,8-HxCDF	0.434 U EMPC	1.87E-04
LDW18-SSOT-CleanScapesB	2,3,4,7,8-PeCDF	1.06	2.08E-03
LDW18-SSOT-CleanScapesB	2,3,7,8-TCDD	0.309	2.26E-03
LDW18-SSOT-CleanScapesB	2,3,7,8-TCDF	0.793	5.05E-03
LDW18-SSOT-CleanScapesB	Dioxin/furan TEQ - mammal (half DL)	6.65 J	na
LDW18-SSOT-CleanScapesB	OCDD	2150	1.28E-03
LDW18-SSOT-CleanScapesB	OCDF	84.9	2.01E-04
LDW18-SSOT-SeattleDistCtr	1,2,3,4,6,7,8-HpCDD	416 J	2.60E-03
LDW18-SSOT-SeattleDistCtr	1,2,3,4,6,7,8-HpCDF	86.4 J	1.79E-03
LDW18-SSOT-SeattleDistCtr	1,2,3,4,7,8,9-HpCDF	7.23 J	6.39E-04
LDW18-SSOT-SeattleDistCtr	1,2,3,4,7,8-HxCDD	3.84	1.18E-03
LDW18-SSOT-SeattleDistCtr	1,2,3,4,7,8-HxCDF	12 J	6.24E-03
LDW18-SSOT-SeattleDistCtr	1,2,3,6,7,8-HxCDD	13.5	1.93E-03
LDW18-SSOT-SeattleDistCtr	1,2,3,6,7,8-HxCDF	3.28 J	1.10E-03
LDW18-SSOT-SeattleDistCtr	1,2,3,7,8,9-HxCDD	7.82	9.76E-04
LDW18-SSOT-SeattleDistCtr	1,2,3,7,8,9-HxCDF	0.303 J	1.58E-03
LDW18-SSOT-SeattleDistCtr	1,2,3,7,8-PeCDD	2.27	7.28E-03
LDW18-SSOT-SeattleDistCtr	1,2,3,7,8-PeCDF	1.07 J	2.73E-03
LDW18-SSOT-SeattleDistCtr	2,3,4,6,7,8-HxCDF	1.92 J	8.50E-04
LDW18-SSOT-SeattleDistCtr	2,3,4,7,8-PeCDF	2.72 J	5.50E-03
LDW18-SSOT-SeattleDistCtr	2,3,7,8-TCDD	0.498	3.74E-03
LDW18-SSOT-SeattleDistCtr	2,3,7,8-TCDF	1.02	6.68E-03
LDW18-SSOT-SeattleDistCtr	Dioxin/furan TEQ - mammal (half DL)	14.2 J	na
LDW18-SSOT-SeattleDistCtr	OCDD	3410 J	2.08E-03
LDW18-SSOT-SeattleDistCtr	OCDF	341 J	8.30E-04
LDW18-SSOT-T107Park	1,2,3,4,6,7,8-HpCDD	197	1.63E-03
LDW18-SSOT-T107Park	1,2,3,4,6,7,8-HpCDF	113	3.09E-03
LDW18-SSOT-T107Park	1,2,3,4,7,8,9-HpCDF	3.45 J	4.02E-04
LDW18-SSOT-T107Park	1,2,3,4,7,8-HxCDD	2.28	9.22E-04

**Table D-5. Sediment dioxin/furan congener concentrations and predicted porewater concentrations**

Sample Name	Chemical	Sediment Concentration (ng/kg)	Porewater Concentration (pg/L)
LDW18-SSOT-T107Park	1,2,3,4,7,8-HxCDF	9.03	6.20E-03
LDW18-SSOT-T107Park	1,2,3,6,7,8-HxCDD	7.67	1.45E-03
LDW18-SSOT-T107Park	1,2,3,6,7,8-HxCDF	5.89	2.61E-03
LDW18-SSOT-T107Park	1,2,3,7,8,9-HxCDD	4.47	7.37E-04
LDW18-SSOT-T107Park	1,2,3,7,8,9-HxCDF	0.468 J	3.21E-03
LDW18-SSOT-T107Park	1,2,3,7,8-PeCDD	2.37	1.00E-02
LDW18-SSOT-T107Park	1,2,3,7,8-PeCDF	3.5 J	1.18E-02
LDW18-SSOT-T107Park	2,3,4,6,7,8-HxCDF	5.13	3.00E-03
LDW18-SSOT-T107Park	2,3,4,7,8-PeCDF	6.74	1.80E-02
LDW18-SSOT-T107Park	2,3,7,8-TCDD	0.965	9.58E-03
LDW18-SSOT-T107Park	2,3,7,8-TCDF	7.04	6.09E-02
LDW18-SSOT-T107Park	Dioxin/furan TEQ - mammal (half DL)	13.4 J	na
LDW18-SSOT-T107Park	OCDD	1800	1.45E-03
LDW18-SSOT-T107Park	OCDF	174	5.59E-04
LDW18-SSOT-T107Park-FD	1,2,3,4,6,7,8-HpCDD	407	3.57E-03
LDW18-SSOT-T107Park-FD	1,2,3,4,6,7,8-HpCDF	120	3.48E-03
LDW18-SSOT-T107Park-FD	1,2,3,4,7,8,9-HpCDF	6.54 J	8.10E-04
LDW18-SSOT-T107Park-FD	1,2,3,4,7,8-HxCDD	2.7	1.16E-03
LDW18-SSOT-T107Park-FD	1,2,3,4,7,8-HxCDF	7.05	5.14E-03
LDW18-SSOT-T107Park-FD	1,2,3,6,7,8-HxCDD	15.1	3.03E-03
LDW18-SSOT-T107Park-FD	1,2,3,6,7,8-HxCDF	4.15	1.95E-03
LDW18-SSOT-T107Park-FD	1,2,3,7,8,9-HxCDD	5.19	9.08E-04
LDW18-SSOT-T107Park-FD	1,2,3,7,8,9-HxCDF	0.146 U EMPC	1.06E-03
LDW18-SSOT-T107Park-FD	1,2,3,7,8-PeCDD	2.29	1.03E-02
LDW18-SSOT-T107Park-FD	1,2,3,7,8-PeCDF	3.22	1.15E-02
LDW18-SSOT-T107Park-FD	2,3,4,6,7,8-HxCDF	3.71	2.30E-03
LDW18-SSOT-T107Park-FD	2,3,4,7,8-PeCDF	5.21	1.48E-02
LDW18-SSOT-T107Park-FD	2,3,7,8-TCDD	0.85	8.96E-03
LDW18-SSOT-T107Park-FD	2,3,7,8-TCDF	6.29	5.77E-02
LDW18-SSOT-T107Park-FD	Dioxin/furan TEQ - mammal (half DL)	15.9 J	na
LDW18-SSOT-T107Park-FD	OCDD	3730	3.19E-03
LDW18-SSOT-T107Park-FD	OCDF	644	2.20E-03

DL – detection limit	OCDF – octachlorodibenzofuran
EMPC – estimated maximum possible concentration	PeCDD – pentachlorodibenzo- <i>p</i> -dioxin
HpCDD – heptachlorodibenzo- <i>p</i> -dioxin	PeCDF – pentachlorodibenzofuran
HpCDF – heptachlorodibenzofuran	TCDD – tetrachlorodibenzo- <i>p</i> -dioxin
HxCDD – hexachlorodibenzo- <i>p</i> -dioxin	TCDF – tetrachlorodibenzofuran
HxCDF – hexachlorodibenzofuran	U – not detected at given concentration
J – estimated concentration	UJ – not detected at given concentration; estimated concentration
na – not applicable	
OCDD – octachlorodibenzo- <i>p</i> -dioxin	

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