

Analyte	Klamath Estuary - Sediment - Dioxins, Furans, PBDEs, and PCB Congeners	
	Sampling Sites	
	Lower CHA-S-001	Upper CHA-S-002
<b>Organics</b>		
<b>Polychlorinated Dioxins and Furans (pg/g dry weight, Method 8290A)</b>		
2,3,7,8-TCDD	<0.072 T	<0.028 T
2,3,7,8-TCDF	<0.10 J, T	<0.043 T
1,2,3,7,8-PECDD	<0.048 T	<0.046 T
1,2,3,7,8-PECDF	<0.034 T	<0.025 T
2,3,4,7,8-PECDF	<0.037 T	<0.024 T
1,2,3,4,7,8-HXCDD	<0.054 T	<0.048 T
1,2,3,6,7,8-HXCDD	<0.058 T	<0.050 T
1,2,3,7,8,9-HXCDD	<0.056 T	<0.050 T
1,2,3,6,7,8-HXCDF	<0.030 T	<0.020 T
1,2,3,7,8,9-HXCDF	<0.042 T	<0.026 T
1,2,3,4,7,8-HXCDF	<0.028 T	<0.021 T
2,3,4,6,7,8-HXCDF	<0.031 T	<0.021 T
1,2,3,4,6,7,8-HPCDD	2.0 T	<0.24 T, J
1,2,3,4,6,7,8-HPCDF	<0.28 J, T	<0.028 T
1,2,3,4,7,8,9-HPCDF	<0.046 T	<0.041 T
OCDD	17 T	1.7 T
OCDF	1.3 J, T	<0.23 T, J
TOTAL HPCDD	4.4 T	<0.052 T
TOTAL HPCDF	<0.046 T	<0.041 T
TOTAL HXCDD	<0.058 T	<0.050 T
TOTAL HXCDF	<0.042 T	<0.026 T
TOTAL PECDD	<0.048 T	<0.046 T
TOTAL PECDF	0.18 T	<0.025 T
TOTAL TCDD	<0.072 T	<0.028 T
TOTAL TCDF	<0.073 T	<0.043 T
<b>Organics</b>		
<b>PBDEs (pg/g dry weight, Method 1614 unless otherwise noted)</b>		
BDE-10	<1.4	<0.44
BDE-100	4.9 H	32
BDE-105	<3.8	<1.7
BDE-116	<3.9	<1.8
BDE-118	<3.5	<1.6
BDE-119/BDE-120	<2.8	<1.3
BDE-12/BDE-13	<0.82	<0.25
BDE-126	<2.3	<1.1
BDE-128	<32	<6.3
BDE-138/BDE-166	<18	<3.6
BDE-140	<9.3	<1.8
BDE-15	1.5 J	0.73 J
BDE-153	<9.7	9.0
BDE-154	<5.2	8.1
BDE-155	<3.8	<0.71
BDE-156	<29	<5.8
BDE-17/BDE-25	2.8 J	2.0 J
BDE-181	<29	<6.5
BDE-183	<12	<2.7
BDE-184	<7.6	<1.7
BDE-190	<53	<12
BDE-191	<26	<5.8
BDE-196	<46	<18
BDE-197	<30	<12
BDE-203	<45	<17
BDE-206	<31	<5.7
BDE-207	<25	<4.6
BDE-208	<31	<5.7
BDE-209	76 H	<18 J
BDE-28/BDE-33	<1.7	6.0
BDE-30	<2.1	<0.40
BDE-32	<1.4	<0.27
BDE-35	<1.3	<0.24
BDE-37	<1.2	<0.32 J
BDE-47	25 H	160
BDE-49	5.4	18
BDE-51	<1.1	0.93 J
BDE-66	<1.8	15
BDE-7	1.3 J	<0.39
BDE-71	<1.6	<0.43
BDE-75	<1.4	<0.39
BDE-77	<1.4	<0.36
BDE-79	<1.2	<0.34
BDE-8/BDE-11	<1.0	<0.30
BDE-85	<3.4	5.7
BDE-99	15 H	160
HBB	<1.4	1.8 H, J
PBEB	<2.0	<0.24
<b>Organics</b>		
<b>PCBs (pg/g dry weight, Method 1668A)</b>		
PCB Congener 1	14 H	13 H
PCB Congener 100	<0.082	<0.064
PCB Congener 101/113/89	5.1 H	2.7 H
PCB Congener 104	<0.089	<0.071
PCB Congener 105/127	2.3 H	0.87 H
PCB Congener 108/83	<0.12	0.22 H
PCB Congener 109/107	<0.035	<0.031
PCB Congener 11	42 H	41 H
PCB Congener 110	5.8 H	2.8 H
PCB Congener 112	<0.088	<0.11
PCB Congener 114	<0.045	<0.038
PCB Congener 115/116/87	2.0 H	<0.99
PCB Congener 117/111	<0.095	<0.12

**Preliminary Data - Subject to Revision**

Analyte	Klamath Estuary - Sediment - Dioxins, Furans, PBDEs, and PCB Congeners	
	Sampling Sites	
	Lower CHA-S-001	Upper CHA-S-002
PCB Congener 118/106	6.0 H	2.1 H
PCB Congener 119	<0.15	<0.12
PCB Congener 12/13	3.9	3.9
PCB Congener 122	<0.035	<0.031
PCB Congener 123	<0.039	<0.038
PCB Congener 124	<0.034	<0.031
PCB Congener 126	<0.053	<0.046
PCB Congener 128	<0.050	<0.038
PCB Congener 129	<0.047	<0.036
PCB Congener 130	<0.046	<0.035
PCB Congener 132	<1.7	<0.033 V
PCB Congener 133/165/131	<0.037	<0.028
PCB Congener 134	<0.045	<0.034
PCB Congener 135	0.49	<0.030
PCB Congener 136/154	0.70	0.25
PCB Congener 137	<0.044	<0.033
PCB Congener 138/160	5.1	<0.77
PCB Congener 139/149	4.2	<1.0
PCB Congener 14	<1.6	<2.1
PCB Congener 140	<0.035	<0.027
PCB Congener 141	0.53	<0.029
PCB Congener 142	<0.044	<0.034
PCB Congener 143	<0.042	<0.032
PCB Congener 144	<0.038	<0.029 V
PCB Congener 145/148	<0.031	<0.024
PCB Congener 147	<0.035	<0.027
PCB Congener 15	13 H	11 H
PCB Congener 150	<0.027	<0.020
PCB Congener 151	<0.85	<0.24
PCB Congener 152	<0.027	<0.020
PCB Congener 155	<0.086	<0.046
PCB Congener 156	0.74	0.17
PCB Congener 157	<0.14	<0.035
PCB Congener 158	<0.028	<0.022
PCB Congener 159	<0.033	<0.025
PCB Congener 16/32	17 H	13 H
PCB Congener 161/146	<0.78	<0.025 V
PCB Congener 162	<0.034	<0.026
PCB Congener 164/163	<1.4	<0.41
PCB Congener 166	<0.030	<0.023
PCB Congener 167	<0.054	<0.032
PCB Congener 168/153	4.7	<1.6
PCB Congener 169	<0.050	<0.031
PCB Congener 17	18 H	12 H
PCB Congener 170/190	3.0	<0.34
PCB Congener 171	0.65	<0.092
PCB Congener 173	<0.046	<0.029
PCB Congener 174	2.1	0.37
PCB Congener 175	<0.075	<0.047
PCB Congener 176	<0.054	<0.034
PCB Congener 177	1.5	0.30 H
PCB Congener 178	<0.080	<0.050 V
PCB Congener 179	0.73	<0.034 V
PCB Congener 18	39 H	31 H, V
PCB Congener 181	<0.056	0.51 V
PCB Congener 182/187	<1.6	0.42
PCB Congener 183	<0.59	0.21
PCB Congener 184	<0.052	<0.033
PCB Congener 185	<0.074	<0.046
PCB Congener 186	<0.059	<0.037
PCB Congener 188	<0.17	<0.091
PCB Congener 189	<0.020	<0.014
PCB Congener 19	9.2 H	9.6 H
PCB Congener 191	0.066	<0.023
PCB Congener 192/172	<0.24	<0.046
PCB Congener 193/180	4.4	0.94
PCB Congener 194	<1.4	0.26
PCB Congener 195	0.69	<0.020
PCB Congener 196/203	2.1	<0.29
PCB Congener 197	<0.039	<0.019
PCB Congener 198	<0.057	<0.028
PCB Congener 199	1.7	<0.27
PCB Congener 2	2.6	2.0
PCB Congener 20/33/21	12 H	11 H
PCB Congener 200	<0.31	<0.019
PCB Congener 201	<0.20	<0.020
PCB Congener 202	<0.42	<0.10
PCB Congener 204	<0.039	<0.019
PCB Congener 205	<0.030	<0.015
PCB Congener 206	<1.1	<0.30
PCB Congener 207	<0.27	<0.019
PCB Congener 208	<1.1	<0.16
PCB Congener 209	<1.5	<0.22
PCB Congener 22	8.6 H	7.7 H
PCB Congener 25	1.5 H	1.5 H
PCB Congener 26	2.7 H	2.3 H, V
PCB Congener 27/24	2.8 H	2.0 H
PCB Congener 29	<0.69	0.23
PCB Congener 3	7.3	6.8
PCB Congener 30	<0.091	<0.086
PCB Congener 31/28	39 H	32 H
PCB Congener 34/23	<0.77	<0.23

**Preliminary Data - Subject to Revision**

Analyte	Klamath Estuary - Sediment - Dioxins, Furans, PBDEs, and PCB Congeners	
	Sampling Sites	
	Lower CHA-S-001	Upper CHA-S-002
PCB Congener 35	<0.74	0.86 H
PCB Congener 36	<0.65	0.24
PCB Congener 37	8.4 H	7.6 H
PCB Congener 38	<0.64	<0.30
PCB Congener 39	<0.68	<0.26
PCB Congener 4/10	58 H	65 H
PCB Congener 40/57	<0.63	0.74 H
PCB Congener 41	<0.048	<0.069
PCB Congener 42	2.4 H	2.1 H
PCB Congener 43	<0.088	<0.13
PCB Congener 44	4.9	5.4
PCB Congener 45	1.2 H	1.2 H
PCB Congener 46/69/73	0.31 H	0.39 H
PCB Congener 48/47/75	3.9 H	5.4 H
PCB Congener 49	3.2 H	3.6 H
PCB Congener 50	<0.066	<0.094
PCB Congener 51	0.67	0.67
PCB Congener 52	5.2 H	5.5 H
PCB Congener 53	1.1 H	<0.81
PCB Congener 54	<0.065	<0.099
PCB Congener 55	<0.20	<0.14
PCB Congener 56	2.5 H	2.3 H
PCB Congener 58	0.27	<0.072
PCB Congener 59	2.3	<0.35
PCB Congener 6	11 H	15 H
PCB Congener 60	2.4 H	2.1 H
PCB Congener 62	<0.063	<0.090
PCB Congener 63	<0.047	<0.19
PCB Congener 65	<0.043	<0.062
PCB Congener 66/80	6.1 H	5.1 H
PCB Congener 67	<0.046	<0.27
PCB Congener 71	1.2 H	<1.1
PCB Congener 72/64/68	4.0 H	4.9 H
PCB Congener 74/61	4.1 H	3.8 H
PCB Congener 76/70	7.3 H	5.6 H
PCB Congener 77	0.66	<0.41
PCB Congener 78	<0.071	<0.038
PCB Congener 79	<0.079	<0.042
PCB Congener 8/5	79 H	84 H
PCB Congener 81	<0.076	<0.039
PCB Congener 82	0.62	<0.048
PCB Congener 84/90	<0.93	<0.49
PCB Congener 85/120	1.0	0.43
PCB Congener 86/97/125	1.6	<0.72
PCB Congener 88	<0.097	<0.076
PCB Congener 9/7	10 H	12 H
PCB Congener 91	0.79	0.42
PCB Congener 92	0.98 H	0.58 H
PCB Congener 94	<0.097	<0.076
PCB Congener 95/93/121	3.3 H	1.6 H
PCB Congener 96/103	<0.33	<0.20
PCB Congener 98/102	<0.087	<0.073
PCB Congener 99	2.9 H	<1.2

Qualifiers:

- V: result may vary excessively from the true value
- H: result may have a high bias
- L: result may have a low bias
- T: result obtained past the holding time
- U: result determined to be an outlier at the time of data validation
- J: result is between the reporting limit and lowest calibration level
- : no data
- < : not detected at reporting limit shown