

Analyte	JC Boyle Reservoir - Sediment - Dioxins, Furans, PBDEs, and PCB Congeners	
	Sampling Sites	
	CDH-S-007(0.0-18.7)	CDH-S-008(0.0-1.7)
<b>Organics</b>		
<b>Polychlorinated Dioxins and Furans (pg/g dry weight, Method 8290A)</b>		
2,3,7,8-TCDD	<0.30 J	0.19 J
2,3,7,8-TCDF	0.90	0.88
1,2,3,7,8-PECDD	1.1 J	<0.91 J
1,2,3,7,8-PECDF	0.88 J	1.1 J
2,3,4,7,8-PECDF	1.5 J	1.5 J
1,2,3,4,7,8-HXCDD	1.6 J	1.5 J
1,2,3,6,7,8-HXCDD	7.3	6.6
1,2,3,7,8,9-HXCDD	3.7	3.7
1,2,3,6,7,8-HXCDF	4.4	5.3
1,2,3,7,8,9-HXCDF	0.66 J	0.67 J
1,2,3,4,7,8-HXCDF	2.1 J	1.7 J
2,3,4,6,7,8-HXCDF	3.0	3.2
1,2,3,4,6,7,8-HPCDD	180	170
1,2,3,4,6,7,8-HPCDF	64	58
1,2,3,4,7,8,9-HPCDF	3.3	3.5
OCDD	1,500	1,400
OCDF	240 V	140
TOTAL HPCDD	360	360
TOTAL HPCDF	220	170
TOTAL HXCDD	58	59
TOTAL HXCDF	57	68
TOTAL PECDD	10	7.7
TOTAL PECDF	32	40
TOTAL TCDD	4.5 V	2.7
TOTAL TCDF	30	42
<b>Organics</b>		
<b>PBDEs (pg/g dry weight, Method 1614 unless otherwise noted)</b>		
BDE-10	<4.9	<1.3
BDE-100	59	49
BDE-105	<13	<6.2
BDE-116	<16	<7.5
BDE-118	<11	<5.2
BDE-119/BDE-120	<10	<4.9
BDE-12/BDE-13	<2.7	<4.4 J
BDE-126	<7.0	<3.5
BDE-128	<49	<18
BDE-138/BDE-166	<39	<15
BDE-140	<20	<7.4
BDE-15	<2.2	<4.7 J
BDE-153	<26	<7.6
BDE-154	<35	<5.1
BDE-155	<11	<4.3
BDE-17/BDE-25	68	64
BDE-181	<65	<27
BDE-183	<32	<14
BDE-190	<110	<45
BDE-203	<100	<38
BDE-206	130 V	<42
BDE-207	<40	<40
BDE-208	<29	<44
BDE-209	5,000 V	300
BDE-28/BDE-33	18	34
BDE-30	<7.3	<1.8
BDE-32	<5.2	<1.3
BDE-35	<4.4	6.9
BDE-37	<4.4	<1.4 J
BDE-47	230	140
BDE-49	190	210
BDE-51	31	42
BDE-66	<6.2	<2.3
BDE-7	<120	93
BDE-71	<5.3	<1.9
BDE-75	<4.5	<1.7
BDE-77	<4.4	<1.6
BDE-79	<3.7	<1.4
BDE-8/BDE-11	<6.7	<31
BDE-85	<12	<5.6
BDE-99	160 H	84 H
DBDPE (Method 1614 Mod)	<120	<65
HBB (Method 1614 Mod)	<5.5	<2.1
PBEB (Method 1614 Mod)	<3.8	<1.1
<b>Organics</b>		
<b>PCBs (pg/g dry weight, Method 1668A)</b>		
PCB Congener 1	21 T	14 T
PCB Congener 100	1.9 T, J	<1.4 T, J
PCB Congener 101/113/89	610 T	470 T
PCB Congener 104	<0.77 T	<2.3 T, J
PCB Congener 105/127	250 T	180 T
PCB Congener 108/83	27 T	23 T
PCB Congener 109/107	74 T	58 T
PCB Congener 11	130 T	100 T
PCB Congener 110	670 T	540 T
PCB Congener 112	<2.5 T	<2.7 T
PCB Congener 114	12 T	<8.4 T
PCB Congener 115/116/87	240 T	170 T
PCB Congener 117/111	15 T	11 T
PCB Congener 118/106	650 T	490 T
PCB Congener 119	<11 T	<12 T
PCB Congener 12/13	<31 T	21 T
PCB Congener 122	<5.7 T	<4.2 T

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	CDH-S-007(0.0-18.7)	CDH-S-008(0.0-1.7)
PCB Congener 123	<3.1 T	<4.5 T
PCB Congener 124	21 T	<9.9 T
PCB Congener 126	<4.5 T	<5.7 T
PCB Congener 128	<140 T	130 T
PCB Congener 129	<30 T	20 T
PCB Congener 130	55 T	<39 T
PCB Congener 132	260 T	180 T
PCB Congener 133/165/131	<9.0 T	<0.92 T
PCB Congener 134	<41 T	37 T
PCB Congener 135	90 T	68 T
PCB Congener 136/154	93 T	76 T
PCB Congener 137	42 T	25 T
PCB Congener 138/160	630 T	420 T
PCB Congener 139/149	600 T	410 T
PCB Congener 14	<14 T	<11 T
PCB Congener 140	4.3 T, V, J	<0.91 T
PCB Congener 141	160 T	98 T
PCB Congener 142	<11 T	<10 T
PCB Congener 143	<33 T	<0.93 T
PCB Congener 144	32 T	<17 T
PCB Congener 145/148	<0.76 T	<0.49 T
PCB Congener 147	<15 T	10 T
PCB Congener 15	130 T	90 T
PCB Congener 150	<0.66 T	<0.43 T
PCB Congener 151	160 T	<100 T
PCB Congener 152	<0.64 T	<0.42 T
PCB Congener 155	<1.0 T	<1.7 T
PCB Congener 156	72 T	56 T
PCB Congener 157	17 T	13 T
PCB Congener 158	84 T	48 T
PCB Congener 159	<0.87 T	<0.68 T
PCB Congener 16/32	94 T	46 T
PCB Congener 161/146	110 T	<86 T
PCB Congener 162	<0.96 T	2.8 T, J
PCB Congener 164/163	210 T	150 T
PCB Congener 166	<0.87 T	<0.68 T
PCB Congener 167	35 T	22 T
PCB Congener 168/153	760 T	530 T
PCB Congener 169	<2.2 T	<2.0 T
PCB Congener 17	59 T	32 T
PCB Congener 170/190	190 T	140 T
PCB Congener 171	48 T	38 T
PCB Congener 173	4.8 T, J	<4.0 T, J
PCB Congener 174	200 T	160 T
PCB Congener 175	<5.7 T	<3.7 T, J
PCB Congener 176	<26 T	19 T
PCB Congener 177	110 T	88 T
PCB Congener 178	50 T	<32 T
PCB Congener 179	95 T	69 T
PCB Congener 18	170 T	77 T
PCB Congener 181	<1.8 T	<1.1 T
PCB Congener 182/187	<310 T	250 T
PCB Congener 183	140 T	<89 T
PCB Congener 184	<0.98 T	<1.3 T
PCB Congener 185	<29 T	<18 T
PCB Congener 186	<1.0 T	<1.3 T
PCB Congener 188	<1.1 T	<1.5 T
PCB Congener 189	6.3 T	6.4 T
PCB Congener 19	<8.6 T	4.5 T, J
PCB Congener 191	6.6 T	4.7 T, J
PCB Congener 192/172	33 T	25 T
PCB Congener 193/180	440 T	330 T
PCB Congener 194	120 T	98 T
PCB Congener 195	44 T	36 T
PCB Congener 196/203	190 T	150 T
PCB Congener 197	7.8 T	<4.6 T, J
PCB Congener 198	<6.9 T	<7.3 T
PCB Congener 199	200 T	170 T
PCB Congener 2	43 T	32 T
PCB Congener 20/33/21	190 T	130 H, T
PCB Congener 200	22 T	<14 T
PCB Congener 201	<23 T	<15 T
PCB Congener 202	<37 T	<31 T
PCB Congener 204	<0.96 T	<1.7 T
PCB Congener 205	7.8 T	6.8 T
PCB Congener 206	130 T	110 T
PCB Congener 207	<13 T	<12 T
PCB Congener 208	47 T	<33 T
PCB Congener 209	120 T	130 T
PCB Congener 22	110 T	74 T
PCB Congener 25	26 T	15 T
PCB Congener 26	44 T	24 T
PCB Congener 27/24	12 T	<5.3 T, J
PCB Congener 29	<13 T	<4.7 T
PCB Congener 3	50 T	39 T
PCB Congener 30	<2.0 T	<1.1 T
PCB Congener 31/28	660 T	390 T
PCB Congener 34/23	<13 T	<4.7 T
PCB Congener 35	<13 T	9.1 T
PCB Congener 36	<12 T	<4.3 T
PCB Congener 37	<17 T	95 H, T
PCB Congener 38	<12 T	<4.2 T

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	Sampling Sites	
	CDH-S-007(0.0-18.7)	CDH-S-008(0.0-1.7)
PCB Congener 39	<11 T	6.2 T
PCB Congener 4/10	<24 T	<17 T
PCB Congener 40/57	26 T	18 T
PCB Congener 41	<0.99 T	<0.62 T
PCB Congener 42	71 T	54 T
PCB Congener 43	<1.6 T	<1.0 T
PCB Congener 44	<1.5 T	<0.93 T
PCB Congener 45	23 T	13 T
PCB Congener 46/69/73	8.7 T	5.2 T, J
PCB Congener 48/47/75	100 T	70 T
PCB Congener 49	170 T	140 T
PCB Congener 50	<1.3 T	<0.83 T
PCB Congener 51	8.3 T	<4.1 T, J
PCB Congener 52	400 T	260 T
PCB Congener 53	24 T	14 T
PCB Congener 54	<0.93 T	<0.55 T
PCB Congener 55	<2.0 T, J	<0.70 T
PCB Congener 56	140 T	110 T
PCB Congener 58	12 T	<0.87 T, J
PCB Congener 59	180 T	120 T
PCB Congener 6	<18 T	<14 T
PCB Congener 60	62 T	39 T
PCB Congener 62	<1.1 T	<0.71 T
PCB Congener 63	<0.94 T	9.6 T
PCB Congener 65	<1.1 T	<0.69 T
PCB Congener 66/80	440 T	220 T
PCB Congener 67	<1.0 T	7.4 T
PCB Congener 71	54 T	45 T
PCB Congener 72/64/68	140 T	96 T
PCB Congener 74/61	<13 T	130 T
PCB Congener 76/70	170 T	300 T
PCB Congener 77	44 T	59 T
PCB Congener 78	<1.3 T	<1.4 T
PCB Congener 79	<1.4 T	<1.4 T
PCB Congener 8/5	120 T	77 T
PCB Congener 81	<1.4 T	<1.6 T
PCB Congener 82	71 T	57 T
PCB Congener 84/90	150 T	130 T
PCB Congener 85/120	87 T	73 T
PCB Congener 86/97/125	180 T	140 T
PCB Congener 88	<1.3 T	<1.5 T
PCB Congener 9/7	<14 T	<11 T
PCB Congener 91	66 T	52 T
PCB Congener 92	130 T	100 T
PCB Congener 94	<1.8 T, J	<1.6 T
PCB Congener 95/93/121	400 T	280 T
PCB Congener 96/103	<2.9 T, J	8.6 T
PCB Congener 98/102	<11 T	12 T
PCB Congener 99	280 T	250 T

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

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