

Analyte	Copco1 Reservoir - Sediment - Standard Analytes																	
	Sampling Sites																	
	CDH-S-009A(0.0-4.6)	CDH-S-010(0.0-5.0)	CDH-S-010(5.0-8.0)	CDH-S-011(0.0-1.3)	CDH-S-012(0.0-5.4)	CDH-S-013(0.0-5.7)	CDH-S-014(0.0-5.3)	CDH-S-015A(0.0-5.0)	CDH-S-015A(5.0-9.7)	CDH-S-015A(0.0-9.7)	CDH-S-016(0.0-5.0)	CDH-S-016(5.0-7.5)	CDH-S-017(0.0-1.2)	CDH-S-018(0.0-5.0)	CDH-S-018(5.0-8.9)	CDH-S-019(0.0-4.8)	CDH-S-020(0.0-5.0)	CDH-S-020(5.0-7.0)
<b>Conventionals (units and methods vary, all dry weights except pH and EC)</b>																		
pH (Method 9045)	7.0	7.1	7.3	6.7	7.3	7.2	7.3	7.1	7.5	-	7.4	7.8	7.6	7.4	7.5	6.8	7.3	7.3
EC (umhos/cm, Method 2510B)	250	520	830	150	600	480	370	610	990	-	830	480	110	530	680	260	370	280
Calcium (mg/kg, Method 6010B)	5,000	5,900	4,600	6,000	4,800	5,200	5,400	4,900	4,500	-	4,400	3,800	6,200	4,900	3,900	5,000	4,500	4,100
Magnesium (mg/kg, Method 6010B)	3,100	3,800	3,000	3,600	3,600	4,500	4,400	4,700	4,500	-	4,600	3,400	4,600	5,800	4,100	3,900	4,300	3,100
Ammonia as N (mg/kg, Method 350.1)	110	200	250	28	200	160	100	150	310	-	240	250	22	170	170	66	91	60
Total Nitrogen as N (mg/kg, Method 351.2)	1,500	2,800	1,500	1,300	1,300	1,100	1,000	1,300	1,400	-	1,300	1,500	850	1,200	1,300	1,100	1,200	1,300
Total Phosphorus as P (mg/kg, Method 4500P Mod)	130	270	180	160	200	190	200	210	230	-	190	210	140	160	230	180	120	120
Cyanide, WAD (mg/kg, Method 4500CN I)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Solids (mg/kg, Method 2540B)	250,000	270,000	230,000	280,000	240,000	230,000	250,000	240,000	260,000	-	260,000	250,000	230,000	240,000	250,000	260,000	260,000	280,000
Total Volatile Solids (mg/kg, Method 2540G)	38,000	36,000	36,000	30,000	33,000	30,000	27,000	35,000	33,000	-	31,000	25,000	24,000	22,000	27,000	24,000	26,000	30,000
TOC (% , Method USGS:N011, T10 USGS:C011, T08)	6.61	5.4	6.23	4.92	5.27	5	4.9	5.23	4.8	-	4.68	4.83	4.35	4.5	4.82	4.07	4.45	5.14
<b>Metals &amp; AVS (mg/kg dry weight, Method 6020 unless otherwise noted)</b>																		
Aluminum	32,000	33,000	25,000	26,000	28,000	32,000	29,000	30,000	28,000	-	29,000	30,000	31,000	35,000	28,000	29,000	28,000	26,000
Antimony	<0.83	<0.75	<0.91	<0.72	<0.81	<0.95	<0.78	<0.87	<0.76	-	<0.81	<0.78	<0.86	<0.89	<0.80	<0.78	<0.82	<0.72
Arsenic	6.8	6.9	6.9	13	7.3	8.1	6.3	9.4	8.3	-	8.9	8.8	8.5	9.3	9.1	9.1	9.3	9.9
Cadmium	<0.41	<0.37	<0.46	<0.36	<0.41	<0.48	<0.39	<0.44	<0.38	-	<0.40	<0.39	<0.43	<0.45	<0.40	<0.39	<0.41	<0.36
Chromium	41	41	36	35	37	42	37	36	35	-	36	34	33	38	34	30	31	28
Copper	28	33	27	28	29	35	31	30	29	-	29	24	28	32	24	24	24	23
Iron (Method 6010B)	18,000	21,000	17,000	21,000	19,000	21,000	23,000	21,000	21,000	-	21,000	20,000	24,000	24,000	21,000	22,000	23,000	22,000
Lead	6.4	8.4	7.8	8.5	8.2	10	9.4	8.3	9.5	-	9.0	7.6	9.3	9.3	7.6	8.6	8.7	7.5
Mercury (Method 7471A)	<0.17	<0.15	<0.18	<0.14	<0.16	<0.19	<0.16	<0.17	<0.15	-	<0.16	<0.16	<0.17	<0.18	<0.16	<0.16	<0.16	<0.14
Nickel	28	32	24	25	26	30	28	26	26	-	26	23	24	28	23	22	23	23
Selenium	<0.78	0.97	<0.88	1.2	1.0	<0.86	<0.76	<0.82	0.83	-	<0.77	<0.78	1.0	<0.88	<0.80	<0.78	<0.78	<0.70
Silver (Method 6010B)	<2.1	<1.9	<2.3	<1.8	<2.0	<2.4	<2.0	<2.2	<1.9	-	<2.0	<2.0	<2.2	<2.2	<2.0	<1.9	<2.0	<1.8
Zinc	52	55	50	49	52	59	48	50	50	-	50	48	63 L	52	51	45	44	43
Acid Volatile Sulfides (Method E821/R-91-100)	-	-	-	-	-	-	55	-	-	320	-	-	-	-	-	-	-	-
<b>Organics</b>																		
<b>SVOCs: PAHs (ug/kg dry weight, Method 8270D)</b>																		
Acenaphthene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
Acenaphthylene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
Anthracene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
Benzo(a)anthracene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
Benzo(a)pyrene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
Benzo(b)fluoranthene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
Benzo(g,h,i)perylene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
Benzo(k)fluoranthene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
4-Bromophenyl phenyl ether	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
Chrysene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
Dibenzo(a,h)anthracene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
Fluoranthene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
Fluorene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
Indeno(1,2,3-cd)pyrene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
2-Methyl naphthalene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
Naphthalene (Method 8260C)	<21	<18	<22	<18	<19	<21	<20	<20	<19	-	<20	<19	<21	<21	<20	<19	<19	<18
Phenanthrene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
Pyrene	<710	<580	<730	<580	<620	<700	<660	<680	<620	-	<650	<620	<700	<710	<650	<620	<620	<590
<b>Organics</b>																		
<b>PCBs (ug/g dry weight, Method 8082 unless otherwise noted)</b>																		
Aroclor 1016	<0.14	<0.12	<0.15	<0.12	<0.13	<0.14	<0.13	<0.14	<0.13	-	<0.13	<0.13	<0.14	<0.14	<0.13	<0.12	<0.13	<0.12
Aroclor 1221	<0.29	<0.24	<0.30	<0.24	<0.26	<0.28	<0.27	<0.27	<0.25	-	<0.26	<0.25	<0.28	<0.28	<0.27	<0.25	<0.25	<0.24
Aroclor 1232	<0.14	<0.12	<0.15	<0.12	<0.13	<0.14	<0.13	<0.14	<0.13	-	<0.13	<0.13	<0.14	<0.14	<0.13	<0.12	<0.13	<0.12
Aroclor 1242	<0.14	<0.12	<0.15	<0.12 L	<0.13	<0.14	<0.13 L	<0.14	<0.13	-	<0.13	<0.13	<0.14 L	<0.14	<0.13	<0.12 L	<0.13 L	<0.12 L
Aroclor 1248	<0.14	<0.12	<0.15	<0.12	<0.13	<0.14	<0.13	<0.14	<0.13	-	<0.13	<0.13	<0.14	<0.14	<0.13	<0.12	<0.13	<0.12
Aroclor 1254	<0.14	<0.12	<0.15	<0.12	<0.13	<0.14	<0.13	<0.14	<0.13	-	<0.13	<0.13	<0.14	<0.14	<0.13	<0.12	<0.13	<0.12
Aroclor 1260	<0.14	<0.12	<0.15	<0.12	<0.13	<0.14	<0.13	<0.14	<0.13	-	<0.13	<0.13	<0.14	<0.14	<0.13	<0.12	<0.13	<0.12
Aroclor 1268	<0.14	<0.12	<0.15	<0.12	<0.13	<0.14	<0.13	<0.14	<0.13	-	<0.13	<0.13	<0.14	<0.14	<0.13	<0.12	<0.13	<0.12
Total PCBs (pg/g) (Method 1668A)	-	-	-	-	-	-	13,000 T	-	-	10,000 T	-	-	-	-	-	-	-	-

Preliminary Data - Subject to Revision

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	Sampling Sites																	
	CDH-S-009A(0.0-4.6)	CDH-S-010(0.0-5.0)	CDH-S-010(5.0-8.0)	CDH-S-011(0.0-1.3)	CDH-S-012(0.0-5.4)	CDH-S-013(0.0-5.7)	CDH-S-014(0.0-5.3)	CDH-S-015A(0.0-5.0)	CDH-S-015A(5.0-9.7)	CDH-S-015A(0.0-9.7)	CDH-S-016(0.0-5.0)	CDH-S-016(5.0-7.5)	CDH-S-017(0.0-1.2)	CDH-S-018(0.0-5.0)	CDH-S-018(5.0-8.9)	CDH-S-019(0.0-4.8)	CDH-S-020(0.0-5.0)	CDH-S-020(5.0-7.0)
<b>Organics</b>																		
<b>Pesticides/Herbicides: Organochlorine Pesticides (ug/kg dry weight, Method 8081A unless otherwise noted)</b>																		
Aldrin	<2.9	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	<2.6	<2.5	<2.8	<2.8	<2.7	<2.5	<2.5	<2.4
Chlordane (Technical)	<14	<12	<15	<12	<13	<14	<13	<14	<13	-	<13	<13	<14	<14	<13	<12	<13	<12
Chlordane-Alpha	<2.9	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	<2.6	<2.5	<2.8	<2.8	<2.7	<2.5	<2.5	<2.4
Chlordane-Gamma	<2.9	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	<2.6 V	<2.5 V	<2.8	<2.8	<2.7	<2.5	<2.5	<2.4
4,4'-DDT	<2.9	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	<2.6	<2.5	<2.8	<2.8	<2.7	<2.5	<2.5	<2.4
4,4'-DDD	<2.9	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	<2.6	<2.5	<2.8	<2.8	<2.7	<2.5	<2.5	<2.4
4,4'-DDE	<2.9	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	<2.6	<2.5	<2.8	<2.8	<2.7	<2.5	<2.5	<2.4
2,4'-DDT (ENV by GC-MS Specialty)	<140	<120	<150	<120	<130	<140	<130	<130	<120	-	<130	<120	<140 T	<140	<130	<120 T	<130 T	<120 T
2,4'-DDD (ENV by GC-MS Specialty)	<14	<12	<15	<12	<13	<14	<13	<13	<12	-	<13	<12	<14 T	<14	<13	<12 T	<13 T	<12 T
2,4'-DDE (ENV by GC-MS Specialty)	<14	<12	<15	<12	<13	<14	<13	<13	<12	-	<13	<12	<14 T	<14	<13	<12 T	<13 T	<12 T
Dieldrin	<2.9	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	<2.6	<2.5	<2.8	<2.8	<2.7	<2.5	<2.5	<2.4
Endosulfan I	<2.9 L	<2.4 L	<3.0 L	<2.4 L	<2.6 L	<2.8 L	<2.7 L	<2.7 L	<2.5 L	-	<2.6 L	<2.5 L	<2.8 L	<2.8 L	<2.7 L	<2.5 L	<2.5 L	<2.4 L
Endosulfan II	<2.9 L	<2.4 L	<3.0 L	<2.4 L	<2.6 L	<2.8 L	<2.7 L	<2.7 L	<2.5 L	-	<2.6 L	<2.5 L	<2.8 L	<2.8 L	<2.7 L	<2.5 L	<2.5 L	<2.4 L
Endosulfan Sulfate	<2.9	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	<2.6	<2.5	<2.8	<2.8	<2.7	<2.5	<2.5	<2.4
Endrin	<2.9	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	<2.6 V	<2.5	<2.8	<2.8	<2.7	<2.5	<2.5	<2.4
Endrin Aldehyde	<2.9	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	<2.6	<2.5	11 V	<2.8	<2.7	<2.5	<2.5	<2.4
Endrin Ketone	<2.9	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	<2.6	<2.5	<2.8	<2.8	<2.7	<2.5	<2.5	<2.4
Heptachlor	<2.9	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	<2.6	<2.5	<2.8	<2.8	<2.7	<2.5	<2.5	<2.4
Heptachlor Epoxide	<2.9	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	<2.6	<2.5	<2.8	<2.8	<2.7	<2.5	<2.5	<2.4
HCH - Alpha	<2.9	<2.4	<3.0	<2.4 V	<2.6	<2.8	<2.7 V	<2.7	<2.5	-	<2.6 V	<2.5 V	<2.8	<2.8	<2.7	<2.5	<2.5	<2.4
HCH - Beta	3.0	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	<2.6	<2.5	3.1	<2.8	<2.7	<2.5	<2.5	<2.4
HCH - Delta	4.2	3.1	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	3.6	<2.5	3.8	<2.8	<2.7	<2.5	<2.5	2.7
HCH - Gamma	<2.9	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	<2.6	<2.5	<2.8	<2.8	<2.7	<2.5	<2.5	<2.4
Methoxychlor	<2.9	<2.4	<3.0	<2.4	<2.6	<2.8	<2.7	<2.7	<2.5	-	4.5	<2.5 V	<2.8	<2.8	<2.7	<2.5	<2.5	<2.4
Toxaphene	<140	<120	<150	<120	<130	<140	<130	<140	<130	-	<130	<130	<140	<140	<130	<120	<130	<120
<b>Particle Size Fraction (% dry weight)</b>																		
Fines (<0.005 mm)	31.3	27.8	38.8	-	39.0	44.1	-	75.1	60.8	-	-	-	62.5	-	-	70.4	59.7	-
Fines (0.005 to 0.075 mm)	47.4	53.4	57.8	-	58.7	53.9	-	24.9	33.3	-	-	-	36.0	-	-	29.1	30.8	-
Sand (#200 to #4)	20.5	18.8	3.4	-	2.3	2.0	-	0.0	5.9	-	-	-	1.5	-	-	0.5	9.5	-
Gravel (#4 to 3 inch)	0.8	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-	0.0	-	-	0.0	0.0	-
Cobbles (3 to 5 inch)	0.0	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-	0.0	-	-	0.0	0.0	-
Oversize (> 5 inch)	0.0	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-	0.0	-	-	0.0	0.0	-

Particle Size Fraction (% dry weight)	CDH-S-012(5.4-6.0)	CDH-S-013(5.7-6.5)	CDH-S-014(0.0-1.8)	CDH-S-016(0.0-7.5)	CDH-S-018(0.0-8.9)	CDH-S-018(8.9-10.0)	CDH-S-020(5.0-7.4)
	Fines (<0.005 mm)	37.9	46.7	38.1	58.1	82.0	39.4
Fines (0.005 to 0.075 mm)	56.5	48.9	59.4	31.5	18.0	48.6	33.9
Sand (#200 to #4)	5.6	4.4	2.5	10.4	0.0	12.0	8.8
Gravel (#4 to 3 inch)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cobbles (3 to 5 inch)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oversize (> 5 inch)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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