

Analyte	Iron Gate Reservoir - Sediment - Standard Analytes														
	Sampling Sites														
	CDH-S-021(0.0-0.5)	CDH-S-021(0.0-0.9)	CDH-S-022(0.0-1.4)	CDH-S-023(0.0-5.4)	CDH-S-023(5.4-7.7)	CDH-S-024(0.0-4.1)	CDH-S-025(0.0-4.7)	CDH-S-026(0.0-2.0)	CDH-S-027(0.0-1.9)	CDH-S-028(0.0-1.0)	CDH-S-029(0.0-4.8)	CDH-S-030(0.0-2.9)	CDH-S-031(0.0-4.8)	CDH-S-032(0.0-3.4)	CDH-S-046(0.0-2.5)
Conventionals (units and methods vary, all dry weights except pH and EC)															
pH (Method 9045)	6.8	-	6.7	7.0	7.3	6.9	7.4	7.3	7.1	7.1	7.4	6.9	7.1	7.4	7.2
EC (umhos/cm, Method 2510B)	130	-	82	330	290	310	340	92	130	100	220	910	130	280	150
Calcium (mg/kg, Method 6010B)	8,100	-	7,600	8,000	3,800	7,500	5,500	8,300	6,500	8,300	5,800	5,300	6,900	4,900	6,700
Magnesium (mg/kg, Method 6010B)	4,700	-	6,400	5,500	3,900	5,700	6,000	8,600	6,800	7,200	6,600	6,000	6,800	5,700	6,600
Ammonia as N (mg/kg, Method 350.1)	47	-	27	140	130	77	100	17	28	29	90	120	24	120	60
Total Nitrogen as N (mg/kg, Method 351.2)	1,400	-	760	810	880	710	1,100	740	720	700	1,000	900	730	1,000	1,000
Total Phosphorus as P (mg/kg, Method 4500P Mod)	260	-	370	350	180	370	190	170	220	180	180	250	160	160	240
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
Total Solids (mg/kg, Method 2540B)	360,000	-	260,000	510,000	540,000	440,000	240,000	260,000	270,000	250,000	250,000	250,000	250,000	230,000	290,000
Total Volatile Solids (mg/kg, Method 2540G)	58,000	-	29,000	55,000	56,000	42,000	26,000	27,000	28,000	25,000	24,000	26,000	28,000	23,000	27,000
TOC (% , Method USGS:N011, T10 USGS:C011, T08)	7.19	-	4.46	3.82	3.16	3.39	4.5	3.31	3.67	3.18	3.83	4.12	3.8	4.37	3.62
Metals & AVS (mg/kg dry weight, Method 6020 unless otherwise noted)															
Aluminum	24,000	-	28,000	38,000	38,000	39,000	36,000	40,000	39,000	44,000	34,000	36,000	41,000	34,000	35,000
Antimony	<0.54	-	<0.62	<0.42	<0.38	<0.45	<0.89	<0.85	<0.75	<0.84	<0.81	<0.78	<0.87	<0.87	<0.71
Arsenic	9.9	-	7.5	7.4	8.1	8.0	10	7.5	8.9	7.7	7.7	8.8	9.3	7.7	8.4
Cadmium	<0.27	-	<0.31	<0.21	<0.19	<0.23	<0.45	<0.42	<0.37	<0.42	<0.40	<0.39	<0.43	<0.43	<0.35
Chromium	26	-	29	38	40	44	37	42	32	40	34	35	48	35	28
Copper	17	-	23	30	32	27	31	38	27	38	28	26	37	28	28
Iron (Method 6010B)	19,000	-	28,000	26,000	14,000	30,000	30,000	31,000	30,000	30,000	29,000	28,000	27,000	27,000	32,000
Lead	5.7	-	7.8	5.1	5.3	5.9	9.3	10	8.4	11	9.1	8.5	10	9.2	8.4
Mercury (Method 7471A)	<0.11	-	<0.12	<0.083	<0.075	<0.091	<0.18	<0.17	<0.15	<0.17	<0.16	<0.16	<0.17	<0.17	<0.14
Nickel	18	-	19	27	28	31	28	33	23	27	25	26	31	24	20
Selenium	1.0	-	0.64	0.46	0.50	0.60	<0.85	<0.84	<0.77	<0.82	<0.83	<0.79	<0.78	<0.87	<0.70
Silver (Method 6010B)	<1.4	-	<1.5	<1.0	<0.94	<1.1	<2.2	<2.1	<1.9	<2.1	<2.0	<2.0	<2.2	<2.2	<1.8
Zinc	52	-	50	51	56	55	53	60	57	69	50	54	63	51	56
Acid Volatile Sulfides (Method E821/R-91-100)	-	-	-	-	-	-	-	-	-	-	340	-	78	-	-
Organics															
SVOCs: PAHs (ug/kg dry weight, Method 8270D)															
Acenaphthene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
Acenaphthylene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
Anthracene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
Benzo(a)anthracene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
Benzo(a)pyrene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
Benzo(b)fluoranthene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
Benzo(g,h,i)perylene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
Benzo(k)fluoranthene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
4-Bromophenyl phenyl ether	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
Chrysene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
Dibenzo(a,h)anthracene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
Fluoranthene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
Fluorene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
Indeno(1,2,3-cd)pyrene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
2-Methyl naphthalene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
Naphthalene (Method 8260C except CDH-S-21[0.0-0.9] by 8270D)	<15	<520	<14	<9.9	<9.3	<11	<21	<19	<18	<19	<21	<5.0	<19	<22	<19
Phenanthrene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
Pyrene	<420 T	<520	<470	<330	<310	<370	<710	<640	<590	<600	<700	<170	<630	<730	<630
Organics															
PCBs (ug/g dry weight, Method 8082 unless otherwise noted)															
Aroclor 1016	<0.098	-	<0.096	<0.066	<0.062	<0.075	<0.14	<0.13	<0.12	<0.12	<0.14	<0.033	<0.13	<0.15	<0.13
Aroclor 1221	<0.20	-	<0.19	<0.13	<0.12	<0.15	<0.29	<0.26	<0.24	<0.25	<0.28	<0.067	<0.26	<0.30	<0.25
Aroclor 1232	<0.098	-	<0.096	<0.066	<0.062	<0.075	<0.14	<0.13	<0.12	<0.12	<0.14	<0.033	<0.13	<0.15	<0.13
Aroclor 1242	<0.098	-	<0.096	<0.066	<0.062	<0.075	<0.14 L	<0.13	<0.12	<0.12	<0.14 L	<0.033	<0.13	<0.15 L	<0.13 L
Aroclor 1248	<0.098	-	<0.096	<0.066	<0.062	<0.075	<0.14	<0.13	<0.12	<0.12	<0.14	<0.033	<0.13	<0.15	<0.13
Aroclor 1254	<0.098	-	<0.096	<0.066	<0.062	<0.075	<0.14	<0.13	<0.12	<0.12	<0.14	<0.033	<0.13	<0.15	<0.13
Aroclor 1260	<0.098	-	<0.096	<0.066	<0.062	<0.075	<0.14	<0.13	<0.12	<0.12	<0.14	<0.033	<0.13	<0.15	<0.13
Aroclor 1268	<0.098	-	<0.096	<0.066	<0.062	<0.075	<0.14	<0.13	<0.12	<0.12	<0.14	<0.033	<0.13	<0.15	<0.13
Total PCBs (pg/g) (Method 1668A)	-	-	-	-	-	-	-	-	-	-	13,000 T	-	11,000 T	-	8,100 T

Preliminary Data - Subject to Revision

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	Sampling Sites														
	CDH-S-021(0.0-0.5)	CDH-S-021(0.0-0.9)	CDH-S-022(0.0-1.4)	CDH-S-023(0.0-5.4)	CDH-S-023(5.4-7.7)	CDH-S-024(0.0-4.1)	CDH-S-025(0.0-4.7)	CDH-S-026(0.0-2.0)	CDH-S-027(0.0-1.9)	CDH-S-028(0.0-1.0)	CDH-S-029(0.0-4.8)	CDH-S-030(0.0-2.9)	CDH-S-031(0.0-4.8)	CDH-S-032(0.0-3.4)	CDH-S-046(0.0-2.5)
Organics															
Pesticides/Herbicides: Organochlorine Pesticides (ug/kg dry weight, Method 8081A unless otherwise noted)															
Aldrin	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
Chlordane (Technical)	<8.5 T	<10	<9.6	<6.6	<6.2	<7.5	<14	<13	<12	<12	<14	<3.3	<13	<15	<13
Chlordane-Alpha	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
Chlordane-Gamma	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
4,4'-DDT	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
4,4'-DDD	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
4,4'-DDE	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
2,4'-DDT (ENV by GC-MS Specialty)	<97	-	<95	<65	<61	<75	<140	<130	<120	<120	<140	<33	<130	<150	<130
2,4'-DDD (ENV by GC-MS Specialty)	<97	-	<95	<65	<61	<75	<14	<13	<120	<12	<14	<33	<13	<15	<13
2,4'-DDE (ENV by GC-MS Specialty)	<97	-	<95	<65	<61	<75	<14	<13	<120	<12	<14	<33	<13	<15	<13
Dieldrin	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
Endosulfan I	<1.7 T	<2.1	<1.9 L	<1.3 L	<1.2 L	<1.5 L	<2.9 L	<2.6 L	<2.4 L	<2.5 L	<2.8 L	<0.67 L	<2.6 L	<3.0 L	<2.5 L
Endosulfan II	<1.7 T	2.6	<1.9 L	<1.3 L	<1.2 L	<1.5 L	<2.9 L	<2.6 L	<2.4 L	<2.5 L	<2.8 L	<0.67 L	<2.6 L	<3.0 L	<2.5 L
Endosulfan Sulfate	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
Endrin	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9 V	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
Endrin Aldehyde	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
Endrin Ketone	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
Heptachlor	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
Heptachlor Epoxide	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
HCH - Alpha	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8 V	<0.67	<2.6	<3.0 V	<2.5 V
HCH - Beta	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
HCH - Delta	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
HCH - Gamma	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
Methoxychlor	<1.7 T	<2.1	<1.9	<1.3	<1.2	<1.5	<2.9	<2.6	<2.4	<2.5	<2.8	<0.67	<2.6	<3.0	<2.5
Toxaphene	<85 T	<100	<96	<66	<62	<75	<140	<130	<120	<120	<140	<33	<130	<150	<130
Particle Size Fraction (% dry weight)															
Fines (<0.005 mm)	27.4	-	42.2	31.9	27.5	39.5	-	71.0	71.1	66.8	-	-	55.7	-	-
Fines (0.005 to 0.075 mm)	33.1	-	48.9	39.0	45.7	46.4	-	26.7	28.0	30.3	-	-	27.4	-	-
Sand (#200 to #4)	39.5	-	8.9	29.1	26.8	14.1	-	2.3	0.9	2.9	-	-	12.9	-	-
Gravel (#4 to 3 inch)	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	4.0	-	-
Cobbles (3 to 5 inch)	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	-	-

	CDH-S-021(1.1-1.3)	CDH-S-023(0.0-7.1)	CDH-S-023(7.1-8.8)	CDH-S-025(0.0-5.0)	CDH-S-027(3.1-4.2)	CDH-S-027(4.2-4.8)	CDH-S-029(0.0-2.7)	CDH-S-030(0.0-2.5)	CDH-S-032(0.0-4.3)	CDH-S-032(4.3-5.1)
Particle Size Fraction (% dry weight)										
Fines (<0.005 mm)	29.9	26.4	24.0	64.1	67.5	64.0	75.3	65.8	74.7	9.4
Fines (0.005 to 0.075 mm)	39.2	45.4	31.2	26.8	30.9	21.9	17.9	25.6	22.4	10.1
Sand (#200 to #4)	30.9	28.2	44.8	9.1	1.6	14.1	6.8	8.6	2.9	23.8
Gravel (#4 to 3 inch)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.7
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

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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