

Laboratory Name: Beckmar Environmental Laboratory
 KY Lab ID #: 00044

KY Category	CAS #	Analyte	Status	Reference Method	MDL	MRL	Units	ATP	Method Mod
Field	7782-50-5	Chlorine - Total Residual	Certified	Hach 8167	N/A	0.02	mg/L		
Field	N/A	Dissolved Oxygen	Certified	SM 4500-O G-2001	N/A	0.1	mg/L		
Field	N/A	pH	Certified	SM 4500 H ⁺ B-2000	N/A	N/A	pH SU		
Field	N/A	Specific Conductance	Certified	SM 2510-1997	3.17	10	umho/cm		
Field	N/A	Temperature	Certified	SM 2550 B-2000	N/A	N/A	°C		
Field	N/A	Turbidity	Certified	EPA 180.1 Rev. 2.0	0.128	0.2	NTU		
Inorganic/Gen	N/A	Alkalinity	Certified	SM 2320 B-1997	3.08	5	mg/L		
Inorganic/Gen	7664-41-7	Ammonia	Certified	SM 4500-NH ₃ D-1997	0.181	0.2	mg/L		
Inorganic/Gen	N/A	Biochemical Oxygen Demand (BOD5)	Certified	SM 5210 B-2001	1.53	4	mg/L		
Inorganic/Gen	N/A	Carbonaceous Biochemical Oxygen Demand (CBOD5)	Certified	SM 5210 B-2001	N/A	4	mg/L		
Inorganic/Gen	N/A	Chemical Oxygen Demand	Certified	EPA 410.4 Rev. 2.0	16.6	25	mg/L		
Inorganic/Gen	16887-00-6	Chloride	Certified	SM 4110 B-2000	0.053	0.1	mg/L		
Inorganic/Gen	18540-29-9	Chromium VI	Certified	SM 3500-Cr B-2011	-	0.001	mg/L	Nat	
Inorganic/Gen	N/A	Color	Certified	SM 2120 B-2001	N/A	5	CU		
Inorganic/Gen	57-12-5	Cyanide - Total	Interim	EPA 335.4	.00356	0.005	mg/L		
Inorganic/Gen	7782-41-4	Fluoride	Certified	SM 4110 B-2000	0.00968	0.01	mg/L		
Inorganic/Gen	N/A	Hardness - Total	Certified	SM 2340 C-1997	4.11	5	mg/L		
Inorganic/Gen	N/A	Kjeldahl Nitrogen - Total (TKN)	Certified	SM 4500-Norg B-1997	-	0.2	mg/L		
Inorganic/Gen	14797-55-8	Nitrate (as N)	Certified	SM 4110 B-2000	0.00779	0.01	mg/L		
Inorganic/Gen	1594-56-5	Nitrite (as N)	Certified	SM 4110 B-2000	0.0082	0.01	mg/L		
Inorganic/Gen	N/A	Oil and Grease	Certified	EPA 1664A	1.85	4	mg/L		
Inorganic/Gen	98059-61-1	Ortho-phosphate	Certified	SM 4500-P E-1999	0.0159	0.03	mg/L		
Inorganic/Gen	N/A	Phenols (Total Phenolics)	Certified	EPA 420.1 (Rev. 1978)	-	0.1	mg/L		
Inorganic/Gen	7723-14-0	Phosphorus	Certified	SM 4500-P E-1999	0.0153	0.03	mg/L		
Inorganic/Gen	N/A	Settleable Solids	Certified	SM 2540 F-1997	N/A	0.1	mg/L		
Inorganic/Gen	N/A	Solids Volatile	Certified	EPA 160.4 (Issued 1971)	N/A	9	mg/L		
Inorganic/Gen	7664-93-9	Sulfate	Certified	SM 4110 B-2000	0.0676	0.1	mg/L		
Inorganic/Gen	9073-75-0	Sulfide	Certified	Hach 8131	0.0859	0.1	mg/L	Nat	Yes
Inorganic/Gen	N/A	Surfactants	Certified	SM 5540 C-2000	0.0138	0.5	mg/L		
Inorganic/Gen	N/A	Total Dissolved Solids	Certified	SM 2540 C-1997	N/A	18	mg/L		
Inorganic/Gen	N/A	Total Solids	Certified	SM 2540 B-1997	12.4	14	mg/L		
Inorganic/Gen	N/A	Total Suspended Solids	Certified	SM 2540 D-1997	5.8	6	mg/L		
Inorganic/Meta	7429-0-5	Aluminum	Certified	EPA 200.8, Rev. 5.4 (1994)	3.24	5	ug/L		
Inorganic/Meta	7440-36-0	Antimony	Certified	EPA 200.8, Rev. 5.4 (1994)	0.951	1	ug/L		
Inorganic/Meta	7440-38-2	Arsenic	Certified	EPA 200.8, Rev. 5.4 (1994)	0.106	1	ug/L		
Inorganic/Meta	7440-39-3	Barium	Certified	EPA 200.8, Rev. 5.4 (1994)	0.081	1	ug/L		
Inorganic/Meta	7440-41-7	Beryllium	Certified	EPA 200.8, Rev. 5.4 (1994)	0.051	1	ug/L		
Inorganic/Meta	7440-43-9	Cadmium	Certified	EPA 200.8, Rev. 5.4 (1994)	0.0212	0.1	ug/L		
Inorganic/Meta	7440-70-2	Calcium	Certified	EPA 200.8, Rev. 5.4 (1994)	17.1	25	ug/L		
Inorganic/Meta	7440-47-3	Chromium	Certified	EPA 200.8, Rev. 5.4 (1994)	0.430	1	ug/L		

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Inorganic/Meta	7440-48-4	Cobalt	Certified	EPA 200.8, Rev. 5.4 (1994)	0.0831	1	ug/L		
Inorganic/Meta	7440-50-8	Copper	Certified	EPA 200.8, Rev. 5.4 (1994)	0.188	1	ug/L		
Inorganic/Meta	7440-50-8	Copper	Certified	SM3113 B - 2011	0.000963	0.005	mg/L	Nat	
Inorganic/Meta	7439-89-6	Iron	Certified	EPA 200.8, Rev. 5.4 (1994)	7.69	10	ug/L		
Inorganic/Meta	7439-92-1	Lead	Certified	EPA 200.8, Rev. 5.4 (1994)	0.115	1	ug/L		
Inorganic/Meta	7439-95-4	Magnesium	Certified	EPA 200.8, Rev. 5.4 (1994)	1.4	5	ug/L		
Inorganic/Meta	7439-96-5	Manganese	Certified	EPA 200.8, Rev. 5.4 (1994)	0.103	1	ug/L		
Inorganic/Meta	7439-97-6	Mercury	Certified	EPA 245.1 Rev. 3.0	0.000209	0.0005	mg/L		
Inorganic/Meta	7439-98-7	Molybdenum	Certified	EPA 200.8, Rev. 5.4 (1994)	0.0202	1	ug/L		
Inorganic/Meta	7440-02-0	Nickel	Certified	EPA 200.8, Rev. 5.4 (1994)	2.13	10	ug/L		
Inorganic/Meta	7440-09-7	Potassium	Certified	EPA 200.8, Rev. 5.4 (1994)	5.91	25	ug/L		
Inorganic/Meta	7782-49-2	Selenium	Certified	EPA 200.8, Rev. 5.4 (1994)	0.838	5	ug/L		
Inorganic/Meta	7440-22-4	Silver	Certified	EPA 200.8, Rev. 5.4 (1994)	0.0768	0.5	ug/L		
Inorganic/Meta	7440-23-5	Sodium	Certified	EPA 200.8, Rev. 5.4 (1994)	19.1	25	ug/L		
Inorganic/Meta	7440-28-0	Thallium	Certified	EPA 200.8, Rev. 5.4 (1994)	0.0164	1	ug/L		
Inorganic/Meta	7440-31-5	Tin	Certified	EPA 200.8, Rev. 5.4 (1994)	0.0814	1	ug/L		
Inorganic/Meta	7440-66-6	Zinc	Certified	EPA 200.8, Rev. 5.4 (1994)	0.753	5	ug/L		
Microbiology	N/A	Coliform, fecal	Certified	SM 9222 D-1997 m-FC	N/A	N/A	CFU/100mL		
Microbiology	N/A	Coliform, total	Certified	Colilert	N/A	N/A	MPN/100 mL		
Microbiology	N/A	E. coli, number per 100 mL	Certified	Colilert	N/A	N/A	MPN/100 mL		
Microbiology	N/A	E. coli, number per 100 mL	Certified	Colilert-18	N/A	N/A	MPN/100 mL		
Toxicity	N/A	Toxicity, acute - Ceriodaphnia dubia	Certified	EPA 2002.0	N/A	N/A	Tua		
Toxicity	N/A	Toxicity, acute - Daphnia pulex / Daphnia magna	Certified	EPA 2021.0	N/A	N/A	TUa		
Toxicity	N/A	Toxicity, acute - Pimephales promelas	Certified	EPA 2000.0	N/A	N/A	TUa		
Toxicity	N/A	Toxicity, chronic - Ceriodaphnia dubia	Certified	EPA 1002.0	N/A	N/A	TUc		
Toxicity	N/A	Toxicity, chronic - Pimephales promelas	Certified	EPA 1000.0	N/A	N/A	TUc		