

NOTE: Average-average value of samples with results greater than instrument detection limit

NOTE: #>LLD - number of samples with value greater than instrument detection limit

NOTE: Estimated: Detected in the method blank

NOTE: Estimated: Hold time exceeded

Data Table 5-26 Surface Water Surveillance- Inorganic Contaminants, Pesticides, Herbicides, and PCBs

Sample Measurement Section

2014 Surface Water Surveillance- Inorganic Contaminants, Pesticides, Herbicides, and PCBs: Location FM-6

Parameter	Unit	Collection Date												MAX	MIN	Average	#>LLD
		01/2014	02/2014	03/2014	04/2014	05/2014	06/2014	07/2014	08/2014	09/2014	10/2014	11/2014	12/2014				
Dissolved Oxygen	mg/L	9.92	10.60	9.66	8.20	8.13	7.52	7.72	7.60	7.30	8.79	9.80	9.24	10.60	7.30	8.71	12
pH	SU	6.80	6.40	6.79	6.21	6.84	6.38	7.02	6.45	6.31	6.64	6.00	6.86	7.02	6.00	6.56	12
Temperature	° C	11.7	10.0	13.0	20.6	22.3	26.2	24.7	25.1	23.9	17.5	13.0	10.1	26.2	10.0	18.2	12
Hardness (total)	mg/L	11	<10	11	10	22	16	12	<10	<10	11	<10	<10	22	10	13	7
Nitrate-Nitrogen	mg/L	0.760	1.000	0.470	0.340	0.620	0.770	0.390	0.340	0.410	0.240	0.400	0.460	1.000	0.240	0.517	12
Nitrite-Nitrogen	mg/L	<0.020	0.022	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.022	0.022	0.022	1
Phosphorus	mg/L	0.081	0.084	0.067	0.140	0.160	0.180	0.100	0.120	0.140	0.064	0.081	0.100	0.180	0.064	0.110	12
Total Organic Carbon	mg/L	5.1	4.4	5.5	6.8	6.4	6.0	5.1	8.2	8.3	2.8	2.9	5.0	8.3	2.8	5.5	12
Aluminum	mg/L	0.2140	0.1424	0.1787	0.1693	0.1984	0.1768	0.0815	0.0990	0.2249	0.0373	<0.0200	0.0611	0.2249	0.0373	0.1439	11
Beryllium	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0
Cadmium	mg/L	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	0.0006	0.0006	0.0006	2
Chromium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0023	0.0016	<0.0010	<0.0010	0.0023	0.0016	0.0020	2
Copper	mg/L	0.0012	<0.0010	<0.0010	<0.0010	<0.0010	0.0015	<0.0010	<0.0010	0.0050	<0.0010	<0.0010	<0.0010	0.0050	0.0012	0.0026	3
Iron	mg/L	0.9430	0.8661	0.8075	1.4618	1.7808	1.5278	0.9973	1.2417	1.1964	0.4832	0.4695	0.9101	1.7808	0.4695	1.0571	12
Mercury	µg/L	<0.02000	<0.02000	<0.02000	<0.02000	<0.02000	<0.02000	<0.02000	<0.02000	<0.02000	<0.02000	<0.02000	<0.02000	<0.02000	<0.02000	<0.02000	0
Manganese	mg/L	0.0442	0.0416	0.0439	0.0878	0.0676	0.0969	0.0665	0.0835	0.0818	0.0325	0.0264	0.0397	0.0969	0.0264	0.0594	12
Nickel	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0135	<0.0010	<0.0010	<0.0010	0.0135	0.0135	0.0135	1
Lead	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0
Thallium	mg/L	<0.0100	<0.0100	<0.0100	0.0117	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0117	0.0117	0.0117	1
Zinc	mg/L	0.0082	0.0098	0.0239	0.0105	0.0050	0.0137	0.0119	0.0056	0.0207	0.0191	0.0025	0.0020	0.0239	0.0020	0.0111	12
Total Suspended Solids	mg/L	4	2	2	5	5	6	4	5	5	2	2	1	6	1	4	12

2014 Surface Water Surveillance- Inorganic Contaminants, Pesticides, Herbicides, and PCBs: Location FM-6

		Collection Date															
Parameter	Unit	01/2014	02/2014	03/2014	04/2014	05/2014	06/2014	07/2014	08/2014	09/2014	10/2014	11/2014	12/2014	MAX	MIN	Average	#>LLD
Pesticides/Herbicides/PCBs		1st Quarter			2nd Quarter			3rd Quarter			4th Quarter						
Aldrin	µg/L	<0.025	N/A	N/A	<0.028	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	<0.028	<0.025	<0.026	0
Aroclor 1016	µg/L	<0.25	N/A	N/A	<0.28	N/A	N/A	<0.25	N/A	N/A	<0.25	N/A	N/A	<0.28	<0.25	<0.26	0
Aroclor 1221	µg/L	<0.25	N/A	N/A	<0.28	N/A	N/A	<0.25	N/A	N/A	<0.25	N/A	N/A	<0.28	<0.25	<0.26	0
Aroclor 1232	µg/L	<0.25	N/A	N/A	<0.28	N/A	N/A	<0.25	N/A	N/A	<0.25	N/A	N/A	<0.28	<0.25	<0.26	0
Aroclor 1242	µg/L	<0.25	N/A	N/A	<0.28	N/A	N/A	<0.25	N/A	N/A	<0.25	N/A	N/A	<0.28	<0.25	<0.26	0
Aroclor 1248	µg/L	<0.25	N/A	N/A	<0.28	N/A	N/A	<0.25	N/A	N/A	<0.25	N/A	N/A	<0.28	<0.25	<0.26	0
Aroclor 1254	µg/L	<0.25	N/A	N/A	<0.28	N/A	N/A	<0.25	N/A	N/A	<0.25	N/A	N/A	<0.28	<0.25	<0.26	0
Aroclor 1260	µg/L	<0.25	N/A	N/A	<0.28	N/A	N/A	<0.25	N/A	N/A	<0.25	N/A	N/A	<0.28	<0.25	<0.26	0
alpha-BHC	µg/L	<0.025	N/A	N/A	<0.028	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	<0.028	<0.025	<0.026	0
beta-BHC	µg/L	<0.025	N/A	N/A	<0.028	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	<0.028	<0.025	<0.026	0
delta-BHC	µg/L	<0.025	N/A	N/A	<0.028	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	<0.028	<0.025	<0.026	0
gamma-BHC (Lindane)	µg/L	<0.025	N/A	N/A	<0.028	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	<0.028	<0.025	<0.026	0
Chlordane	µg/L	<0.25	N/A	N/A	<0.28	N/A	N/A	<0.25	N/A	N/A	<0.25	N/A	N/A	<0.28	<0.25	<0.26	0
4,4'-DDD	µg/L	<0.025	N/A	N/A	<0.028	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	<0.028	<0.025	<0.026	0
4,4'-DDE	µg/L	<0.025	N/A	N/A	<0.028	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	<0.028	<0.025	<0.026	0
4,4'-DDT	µg/L	<0.025	N/A	N/A	<0.028	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	<0.028	<0.025	<0.026	0
Dieldrin	µg/L	<0.025	N/A	N/A	<0.028	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	<0.028	<0.025	<0.026	0
Endosulfan I	µg/L	<0.025	N/A	N/A	<0.028	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	<0.028	<0.025	<0.026	0
Endosulfan II	µg/L	<0.025	N/A	N/A	<0.028	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	<0.028	<0.025	<0.026	0
Endosulfan sulfate	µg/L	<0.025	N/A	N/A	0.030	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	0.030	<0.025	<0.026	1
Endrin	µg/L	<0.025	N/A	N/A	<0.028	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	<0.028	<0.025	<0.026	0
Endrin aldehyde	µg/L	<0.025	N/A	N/A	<0.028	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	<0.028	<0.025	<0.026	0
Heptachlor	µg/L	<0.025	N/A	N/A	<0.028	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	<0.028	<0.025	<0.026	0
Heptachlor epoxide	µg/L	<0.025	N/A	N/A	<0.028	N/A	N/A	<0.025	N/A	N/A	<0.025	N/A	N/A	<0.028	<0.025	<0.026	0
Toxaphene	µg/L	<0.25	N/A	N/A	<0.28	N/A	N/A	<0.25	N/A	N/A	<0.25	N/A	N/A	<0.28	<0.25	<0.26	0
2,4-D	µg/L	<2.0	N/A	N/A	<2.2	N/A	N/A	<2.1	N/A	N/A	<2.1	N/A	N/A	<2.2	<2.0	<2.1	0
2,4,5-TP (Silvex)	µg/L	<0.51	N/A	N/A	<0.55	N/A	N/A	<0.53	N/A	N/A	<0.53	N/A	N/A	<0.55	<0.51	<0.53	0