METROLINK

Integrated Transport. Integrated Life.

A18.2

Baseline Surface Water – Laboratory Summary December 2018

Sample ID	Details - SURFACE WATER						SW01	SW02	SW03	SW04	SW05	SW06	SW07	SW08	SW09	SW10	SW11	SW14	SW15	SW16	SW17
Laboratory							Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova
Report Ref.							18-20357 b1	18-20357 b1	18-20357 b1	18-20357 b1	18-20378 b1	18-20378 b1	18-20378 b1	18-20378 b1	18-20378 b1	18-20576 b1	18-20280 b1	18-20280 b1	18-20280 b1	18-20280 b1	18-20280 b1
Sample Type							Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Overall sampling period			Inland Waters		Other Surface Waters		10/12/2018 - 14/12/2018														
Parameters	**Units**	**MDL**	**SWTV (AA-EQS)**	**SWTV (MAC-EQS)**	**SWTV (AA-EQS)**	**SWTV (MAC-EQS)**															
Aluminium	mg/l	0.02	nv	nv	nv	nv	0.196	0.055	0.085	0.023	-	-	-	-	-	-	-	-	-	-	0.054
Antimony	mg/l	0.002	nv	nv	nv	nv	-	-	-	-	-	-	0.007	0.007	-	0.005	-	-	0.003	-	-
Arsenic	mg/l	0.0025	0.025	nv	0.020	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/l	0.003	nv	nv	nv	nv	0.013	0.016	0.034	0.031	0.039	0.038	0.036	0.039	0.04	0.083	0.068	0.052	0.053	0.062	0.045
Beryllium	mg/l	0.0005	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	mg/l	0.012	nv	nv	nv	nv	0.018	0.112	0.018	0.047	0.025	0.025	0.026	0.032	0.026	0.025	0.03	0.028	0.028	0.024	0.02
Cadmium	mg/l	0.0005	0.00008	0.00045	0.0002	0.00045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/l	0.2	nv	nv	nv	nv	46.8	57.2	75.5	71.9	131	131.5	143.2	132.5	124.7	145.4	131.9	118.1	123.6	117.8	64.2
Chromium	mg/l	0.0015	0.0034 [1]/ 0.0047 [2]	nv [1]/ 0.0032 [2]	0.0006 [1]/ nv [2]	0.0032 [1]/ nv [2]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/l	0.002	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/l	0.007	0.005/ 0.03 [3]	nv	0.005	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/l	0.02	nv	nv	nv	nv	0.119	0.092	0.06	0.055	0.024	0.022	-	0.023	0.029	0.02	-	0.025	-	-	0.04
Lead	mg/l	0.005	0.0012	0.014	0.0013	0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/l	0.1	nv	nv	nv	nv	3.8	28.4	5.6	12.5	8	8	18.6	15.6	7.7	7.1	8.1	8.1	9	6.8	3.7
Manganese	mg/l	0.002	nv	nv	nv	nv	0.022	0.018	0.016	0.013	0.024	0.021	0.024	0.035	0.035	0.017	0.023	0.039	0.041	0.01	0.099
Mercury	mg/l	0.001	0.00005	0.00007	0.00005	0.00007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	mg/l	0.002	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.005
Nickel	mg/l	0.002	0.004	0.034	0.0086	0.034	-	-	-	-	0.002	0.002	0.006	0.005	0.002	-	-	-	-	-	-
Phosphorus	mg/l	0.005	nv	nv	nv	nv	0.028	0.033	0.041	0.041	0.071	0.069	0.025	0.03	0.066	1.102	0.037	0.021	0.047	0.022	0.037
Potassium	mg/l	0.1	nv	nv	nv	nv	1.7	9.3	2	4.2	3	3.2	3.6	2.9	2.9	3.8	3.7	2.9	4.5	8.1	10
Selenium	mg/l	0.003	nv	nv	nv	nv	-	-	-	-	0.008	0.009	-	-	-	0.004	0.01	0.004	0.004	0.004	0.005
Sodium	mg/l	0.1	nv	nv	nv	nv	12.1	320.3	14.1	74.5	21.5	21.4	24.1	24.2	21.8	20	27	31.2	29.4	22.3	13.7
Thallium	mg/l	0.003	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/l	0.0015	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0016	0.0016
Zinc	mg/l	0.003	0.008/ 0.05/ 0.1 [4]	nv	0.04	nv	0.007	0.004	0.004	-	0.014	0.007	0.01	0.015	0.014	0.007	0.015	0.011	0.026	0.016	0.016
TPH CWG																					
Aliphatics																					
>C10-C12	mg/l	0.005	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>C12-C16	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>C16-C21	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>C21-C35	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total aliphatics >C10-35	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics																					-
>EC10-EC12	mg/l	0.005	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>EC12-EC16	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>EC16-EC21	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>EC21-EC35	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total aromatics >C10-35	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total aliphatics and aromatics >C10-35	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MTBE	mg/l	0.005	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/l	0.005	0.01	0.05	0.008	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/l	0.005	0.01	nv	0.01	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/l	0.005	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m/p-Xylene	mg/l	0.005	0.01	nv	0.01	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	mg/l	0.005	0.01	0.01	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	mg/l	0.3	0.5	nv	1.5	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulphate as SO4	mg/l	0.5	nv	nv	nv	nv	20.1	78.6	37.2	50.6	98.6	92.8	221.7	167.5	84.6	75.3	94.2	97.2	98.8	68	42.1
Chloride	mg/l	0.3	nv	nv	nv	nv	21.8	418.6	21.9	139.1	43.9	44.6	41.7	41.7	42.7	56.3	57.7	47.3	54.8	46.7	20.2
Ortho Phosphate as P	mg/l	0.03	0.075 [5]	0.075 [5]	nv	nv	-	-	-	-	0.08	0.07	-	-	-	-	-	-	-	-	-
Total Ammonia as N	mg/l	0.03	nv	nv	nv	nv	0.05	0.06	0.09	0.07	0.05	0.05	0.05	0.14	0.07	0.03	0.05	0.04	0.09	-	0.15
Total Alkalinity as CaCO3	mg/l	1	nv	nv	nv	nv	132	136	180	170	254	258	208	214	246	260	216	228	214	220	142
BOD (Settled)	mg/l	1	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
COD (Settled)	mg/l	7	nv	nv	nv	nv	26	33	23	23	30	23	19	25	37	7	10	13	16	11	31
Kjeldahl Nitrogen	mg/l	0.5	nv	nv	nv	nv	1.3	1.3	1.3	1.3	2.2	2.7	1.6	1.8	1.1	1.2	1.8	1.5	1.7	1.3	1.4
Total Suspended Solids	mg/l	10	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	105	-	-	13	-	-

Key

Inland waters — *Value exceeds the MAC-EQS Surface Water Threshold Value (SWTV used - Surface Water Regs SI No. 272 of 2009; Surface Water Amendment Regs SI No. 386 of 2015) for Inland Waters; Underlined exceeds the AA-EQS for same SWTVs, where available*

Other surface waters — *Value exceeds the MAC-EQS Surface Water Threshold Value (SWTV used - Surface Water Regs SI No. 272 of 2009; Surface Water Amendment Regs SI No. 386 of 2015) for Other Surface Waters; Underlined exceeds the AA-EQS for same SWTVs, where available*

SWTV (AA-EQS) means that for each representative monitoring point within the waterbody, the arithmetic mean of the concentrations measured over a twelve month monitoring period does not exceed the standard.

SWTV (MAC-EQS) means that for each representative monitoring point within the waterbody no measured concentration exceeds the standard.

Notes

Note 1 Chromium VI

Note 2 Chromium III

Note 3 - In the case of Copper, the value 5 applies where the water hardness measured in mg/l CaCO3 is less than or equal to 100; the value 30 applies where the water hardness exceeds 100 mg/l CaCO3.

Note 4 - In the case of Zinc, the standard shall be 8 µg/l for water hardness with annual average values less than or equal to 10 mg/l CaCO3, 50 µg/l for water hardness greater than 10 mg/l CaCO3 and less than or equal to 100 mg/l CaCO3 and 100 µg/l elsewhere.

Note 5 95th percentile

- Less than the MDL *nv No value* *nt Not Tested* *MDL Laboratory Method Detction Limit (shown in mg/l)*

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Sample ID	Details - SURFACE WATER						SW18	SW19	SW20	SW22	SW23	SW24	SW25	SW26	SW27	SW28	SW30	SW31	SW32	SW33	SW34	SW35	SW36	SW38	SW39	SW40
Laboratory							Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova	Exova
Report Ref.							18-20280 b1	18-20280 b1	18-20280 b1	18-20280 b1	18-20178 b1	18-20178 b1	18-20178 b1	18-20178 b1	18-20178 b1	18-20178 b1	18-20178 b1	18-20178 b1	18-20178 b1	18-20178 b1	18-20178 b1	18-20178 b1	18-20178 b1	18-20358 b1	18-20358 b1	18-20358 b1
Sample Type							Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Overall sampling period			Inland Waters		Other Surface Waters											10/12/2018 - 14/12/2018										
Parameters	**Units**	**MDL**	**SWTV (AA-EQS)**	**SWTV (MAC-EQS)**	**SWTV (AA-EQS)**	**SWTV (MAC-EQS)**																				
Aluminium	mg/l	0.02	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/l	0.002	nv	nv	nv	nv	-	-	-	-	0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/l	0.0025	0.025	nv	0.020	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/l	0.003	nv	nv	nv	nv	0.06	0.07	0.06	0.072	0.058	0.048	0.078	0.072	0.06	0.058	0.06	0.05	0.016	0.065	0.063	0.087	0.083	0.054	0.055	0.039
Beryllium	mg/l	0.0005	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	mg/l	0.012	nv	nv	nv	nv	0.029	0.033	0.04	0.042	-	0.014	0.021	0.016	0.024	0.023	0.037	0.081	2.684	0.03	0.028	0.053	0.043	0.02	0.018	0.076
Cadmium	mg/l	0.0005	0.00008	0.00045	0.0002	0.00045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/l	0.2	nv	nv	nv	nv	96.2	141.8	110.1	141.1	102	125.3	133.8	133.4	152.2	148.5	126.8	140.6	421.9	139	140.4	157.7	150.3	119.1	118.9	76.2
Chromium	mg/l	0.0015	0.0034 [1]/ 0.0047 [2]	nv [1]/ 0.0032 [2]	0.0006 [1]/ nv [2]	0.0032 [1]/ nv [2]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/l	0.002	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/l	0.007	0.005/ 0.03 [3]	nv	0.005	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/l	0.02	nv	nv	nv	nv	0.045	0.027	-	0.02	-	0.05	-	0.021	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/l	0.005	0.0012	0.014	0.0013	0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/l	0.1	nv	nv	nv	nv	6.2	6.9	5.8	7.9	8.5	14.7	7.6	7.9	8.2	7.9	11.3	21.5	824.3	6.8	7.2	9.7	10.3	9.5	9.5	19.1
Manganese	mg/l	0.002	nv	nv	nv	nv	0.0126	-	0.021	0.047	0.045	0.019	0.023	0.019	0.009	0.008	0.03	0.008	0.004	0.007	0.008	0.01	0.016	0.004	-	0.121
Mercury	mg/l	0.001	0.00005	0.00007	0.00005	0.00007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	mg/l	0.002	nv	nv	nv	nv	0.009	-	0.004	0.003	-	-	-	-	-	-	-	-	0.004	-	-	-	-	-	-	-
Nickel	mg/l	0.002	0.004	0.034	0.0086	0.034	0.002	0.004	-	-	0.005	-	-	-	-	-	-	-	-	-	-	0.008	0.005	0.002	-	-
Phosphorus	mg/l	0.005	nv	nv	nv	nv	0.0039	0.118	0.07	0.107	0.048	0.086	0.022	0.19	0.184	0.525	0.323	0.071	0.321	0.06	0.064	0.168	0.17	0.008	0.007	0.15
Potassium	mg/l	0.1	nv	nv	nv	nv	10.2	8.5	3.7	4.1	2.4	3.8	1.8	3.1	3.8	5.7	4.6	7.9	345.6	2.9	3.2	7.2	5.9	4.7	5	5.4
Selenium	mg/l	0.003	nv	nv	nv	nv	0.004	0.009	0.005	0.005	-	-	-	-	0.014	0.012	0.006	-	-	0.016	0.015	0.02	0.013	-	-	-
Sodium	mg/l	0.1	nv	nv	nv	nv	24.3	19.1	20.6	40.9	38.2	85	27	31.9	18.6	18.6	46.6	137.7	7965	14.4	16.8	19.2	30	17.5	17.5	20.5
Thallium	mg/l	0.003	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/l	0.0015	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1
Zinc	mg/l	0.003	0.008/ 0.05/ 0.1 [4]	nv	0.04	nv	0.039	0.006	0.012	0.007	0.018	0.028	-	0.007	0.005	0.006	0.014	0.003	0.006	-	0.003	0.015	0.018	-	-	0.003
TPH CWG																										
Aliphatics																										
>C10-C12	mg/l	0.005	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>C12-C16	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>C16-C21	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>C21-C35	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total aliphatics >C10-35	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics																										
>EC10-EC12	mg/l	0.005	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>EC12-EC16	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>EC16-EC21	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>EC21-EC35	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total aromatics >C10-35	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total aliphatics and aromatics >C10-35	mg/l	0.01	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MTBE	mg/l	0.005	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/l	0.005	0.01	0.05	0.008	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/l	0.005	0.01	nv	0.01	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/l	0.005	nv	nv	nv	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m/p-Xylene	mg/l	0.005	0.01	nv	0.01	nv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	mg/l	0.005	0.01	0.01	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	mg/l	0.3	0.5	nv	1.5	nv	-	-	-	-	-	0.5	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Sulphate as SO_4	mg/l	0.5	nv	nv	nv	nv	67.6	57	51.2	84.8	103	181.6	59.1	65.2	86.3	82.9	188	93.6	1952	75.8	79.9	92.7	90.5	76.8	79.7	70.9
Chloride	mg/l	0.3	nv	nv	nv	nv	46.1	39.4	41.9	73.8	58.3	136.1	47	51.3	51.7	53.3	108	269	15295.9	45.3	49	62.2	75.1	32.1	32.1	28.3
Ortho Phosphate as P	mg/l	0.03	0.075 [5]	0.075 [5]	nv	nv	-	0.08	-	0.06	-	-	-	-	0.05	0.05	-	0.04	-	0.04	0.04	0.12	0.08	-	-	0.21
Total Ammonia as N	mg/l	0.03	nv	nv	nv	nv	0.09	-	0.05	0.24	0.16	0.08	0.03	0.03	0.03	0.04	0.07	0.05	0.73	0.03	0.03	0.11	0.08	0.05	0.05	0.05
Total Alkalinity as $CaCO_3$	mg/l	1	nv	nv	nv	nv	178	240	224	264	182	180	284	280	266	256	278	252	160	254	252	292	276	288	272	232
BOD (Settled)	mg/l	1	nv	nv	nv	nv	3	-	-	1	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	5
COD (Settled)	mg/l	7	nv	nv	nv	nv	16	-	-	-	14	28	14	8	19	22	14	24	474	20	21	17	19	27	21	57
Kjeldahl Nitrogen	mg/l	0.5	nv	nv	nv	nv	1.4	1.3	1.5	1.5	1.3	1.7	1.3	1.3	1.6	1.4	1.4	1.9	1.5	1.5	1.2	1.5	1.5	1	1.2	5
Total Suspended Solids	mg/l	10	nv	nv	nv	nv	-	-	44	42	-	27	-	-	-	-	-	82	58	-	-	-	-	-	-	39

Key

Inland waters — *Value exceeds the MAC-EQS Surface Water Threshold Value (SWTV used - Surface Water Regs SI No. 272 of 2009; Surface Water Amendment Regs SI No. 386 of 2015) for Inland Waters; Underlined exceeds the AA-EQS for same SWTVs, where available*

Other surface waters — *Value exceeds the MAC-EQS Surface Water Threshold Value (SWTV used - Surface Water Regs SI No. 272 of 2009; Surface Water Amendment Regs SI No. 386 of 2015) for Other Surface Waters; Underlined exceeds the AA-EQS for same SWTVs, where available*

SWTV (AA-EQS) means that for each representative monitoring point within the waterbody, the arithmetic mean of the concentrations measured over a twelve month monitoring period does not exceed the standard.

SWTV (MAC-EQS) means that for each representative monitoring point within the waterbody no measured concentration exceeds the standard.

Notes

Note 1 Chromium VI

Note 2 Chromium III

Note 3 - In the case of Copper, the value 5 applies where the water hardness measured in mg/l CaCO3 is less than or equal to 100; the value 30 applies where the water hardness exceeds 100 mg/l CaCO3. Note 4 - In the case of Zinc, the standard shall be 8 µg/l for water hardness with annual average values less than or equal to 10 mg/l CaCO3, 50 µg/l for water hardness greater than 10 mg/l CaCO3 and less than or equal to 100 mg/l CaCO3 and 100 µg/l elsewhere.

Note 5 95th percentile

- *Less than the MDL* — *nv No value* — *nt Not Tested* — *MDL Laboratory Method Detction Limit (shown in mg/l)*

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