

REPORTED TO PROJECT SION Improvement District
General Potability

WORK ORDER REPORTED 7030424
2017-03-14

Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
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Sample ID: 8508 Outlook Rd. (7030424-01) [Water] Sampled: 2017-03-06 11:30

Anions

Chloride	2.79	AO ≤ 250	0.10	mg/L	N/A	2017-03-08	
Fluoride	0.44	MAC = 1.5	0.10	mg/L	N/A	2017-03-08	
Nitrate (as N)	1.29	MAC = 10	0.010	mg/L	N/A	2017-03-08	
Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	N/A	2017-03-08	
Sulfate	59.1	AO ≤ 500	1.0	mg/L	N/A	2017-03-08	

General Parameters

Alkalinity, Total (as CaCO3)	226	N/A	2	mg/L	N/A	2017-03-09	
Alkalinity, Phenolphthalein (as CaCO3)	< 1	N/A	2	mg/L	N/A	2017-03-09	
Alkalinity, Bicarbonate (as CaCO3)	226	N/A	2	mg/L	N/A	2017-03-09	
Alkalinity, Carbonate (as CaCO3)	< 1	N/A	2	mg/L	N/A	2017-03-09	
Alkalinity, Hydroxide (as CaCO3)	< 1	N/A	2	mg/L	N/A	2017-03-09	
Colour, True	< 5	AO ≤ 15	5	CU	N/A	2017-03-08	
Conductivity (EC)	518	N/A	2	µS/cm	N/A	2017-03-09	
Cyanide, Total	< 0.0020	MAC = 0.2	0.0020	mg/L	N/A	2017-03-09	
pH	8.06	7-10.5	0.01	pH units	N/A	2017-03-09	HT2
Temperature, at pH	22	N/A		°C	N/A	2017-03-09	HT2
Turbidity	< 0.10	OG < 0.1	0.10	NTU	N/A	2017-03-08	

Calculated Parameters

Hardness, Total (as CaCO3)	287	N/A	0.500	mg/L	N/A	N/A	
Langelier Index	0.9	N/A	-5.0	-	N/A	2017-03-14	
Solids, Total Dissolved (calc)	317	N/A	1.00	mg/L	N/A	N/A	

Total Metals

Aluminum, total	< 0.005	OG < 0.1	0.005	mg/L	2017-03-08	2017-03-08	
Antimony, total	< 0.0001	MAC = 0.006	0.0001	mg/L	2017-03-08	2017-03-08	
Arsenic, total	0.0008	MAC = 0.01	0.0005	mg/L	2017-03-08	2017-03-08	
Barium, total	0.061	MAC = 1	0.005	mg/L	2017-03-08	2017-03-08	
Boron, total	0.020	MAC = 5	0.004	mg/L	2017-03-08	2017-03-08	
Cadmium, total	< 0.00001	MAC = 0.005	0.00001	mg/L	2017-03-08	2017-03-08	
Calcium, total	79.3	N/A	0.2	mg/L	2017-03-08	2017-03-08	
Chromium, total	0.0015	MAC = 0.05	0.0005	mg/L	2017-03-08	2017-03-08	
Cobalt, total	< 0.00005	N/A	0.00005	mg/L	2017-03-08	2017-03-08	
Copper, total	0.0022	AO ≤ 1	0.0002	mg/L	2017-03-08	2017-03-08	
Iron, total	< 0.01	AO ≤ 0.3	0.01	mg/L	2017-03-08	2017-03-08	
Lead, total	< 0.0001	MAC = 0.01	0.0001	mg/L	2017-03-08	2017-03-08	
Magnesium, total	21.5	N/A	0.01	mg/L	2017-03-08	2017-03-08	
Manganese, total	0.0002	AO ≤ 0.05	0.0002	mg/L	2017-03-08	2017-03-08	
Mercury, total	< 0.00002	MAC = 0.001	0.00002	mg/L	2017-03-08	2017-03-08	
Molybdenum, total	0.0053	N/A	0.0001	mg/L	2017-03-08	2017-03-08	
Nickel, total	0.0002	N/A	0.0002	mg/L	2017-03-08	2017-03-08	
Potassium, total	2.63	N/A	0.02	mg/L	2017-03-08	2017-03-08	
Selenium, total	0.0181	MAC = 0.05	0.0005	mg/L	2017-03-08	2017-03-08	
Sodium, total	8.27	AO ≤ 200	0.02	mg/L	2017-03-08	2017-03-08	
Uranium, total	0.00660	MAC = 0.02	0.00002	mg/L	2017-03-08	2017-03-08	
Zinc, total	0.012	AO ≤ 5	0.004	mg/L	2017-03-08	2017-03-08	

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Sample ID: 8508 Outlook Rd. (7030424-01) [Water] Sampled: 2017-03-06 11:30, Continued

Microbiological Parameters

Coliforms, Total	< 1	MAC = None Detected	1	CFU/100 mL	N/A	2017-03-07	
E. coli	< 1	MAC = None Detected	1	CFU/100 mL	N/A	2017-03-07	

Sample / Analysis Qualifiers:

HT2 The 15 minute recommended holding time (from sampling to analysis) has been exceeded - field analysis is recommended.