



Certificate of Analysis

Sample ID: ADE2619-01
Sampled By: Liset Arevalo
Sample Description: Surface Water Treatment Plant Effluent

Sample Date - Time: 05/27/2020 - 09:15
Matrix: Surface Water
Sample Type: Grab

BSK Associates Laboratory Fresno
General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Aggressive Index		11				ADF0154	06/03/20	06/03/20	
Alkalinity as CaCO3	SM 2320B	68	3.0	mg/L	1	ADE1413	05/28/20	05/28/20	
Bicarbonate as CaCO3	SM 2320B	68	3.0	mg/L	1	ADE1413	05/28/20	05/28/20	
Carbonate as CaCO3	SM 2320B	ND	3.0	mg/L	1	ADE1413	05/28/20	05/28/20	
Hydroxide as CaCO3	SM 2320B	ND	3.0	mg/L	1	ADE1413	05/28/20	05/28/20	
Chloride	EPA 300.0	68	1.0	mg/L	1	ADE1385	05/28/20	05/28/20	
Color, Apparent	SM 2120B	ND	5.0	CU	1	ADE1175	05/27/20 20:35	05/27/20	
Color pH (1)	SM 4500-H+ B	7.7		pH Units	1	ADE1175	05/27/20	05/27/20	
Conductivity @ 25C	SM 2510B	520	1.0	umhos/cm	1	ADE1413	05/28/20	05/28/20	
Fluoride	EPA 300.0	ND	0.10	mg/L	1	ADE1385	05/28/20	05/28/20	
Langelier Index	SM 2330B	-0.90				ADF0191	06/03/20	06/03/20	
MBAS, Calculated as LAS, mol wt 340	SM 5540C	ND	0.050	mg/L	1	ADE1400	05/27/20 22:20	05/28/20	
Nitrate + Nitrite as N	EPA 300.0	ND	0.23	mg/L	1	ADE1385	05/28/20 05:16	05/28/20	
Nitrate as N	EPA 300.0	ND	0.23	mg/L	1	ADE1385	05/28/20 05:16	05/28/20	
Nitrite as N	EPA 300.0	ND	0.050	mg/L	1	ADE1385	05/28/20 05:16	05/28/20	
Threshold Odor	SM 2150B	1.0	1.0	T.O.N.	1	ADE1180	05/27/20 15:48	05/27/20	OD.a
pH (1)	SM 4500-H+ B	7.5		pH Units	1	ADE1413	05/28/20	05/28/20	
pH Temperature in °C		22.7							
Sulfate as SO4	EPA 300.0	72	1.0	mg/L	1	ADE1385	05/28/20	05/28/20	
Total Dissolved Solids	SM 2540C	290	5.0	mg/L	1	ADE1419	05/28/20	06/03/20	
Turbidity	SM 2130B	0.28	0.10	NTU	1	ADE1175	05/27/20 20:57	05/27/20	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Aluminum	EPA 200.7	ND	0.050	mg/L	1	ADE1429	05/29/20	06/02/20	
Antimony	EPA 200.8	ND	2.0	ug/L	1	ADE1429	05/29/20	06/01/20	
Arsenic	EPA 200.8	2.3	2.0	ug/L	1	ADE1429	05/29/20	06/01/20	
Barium	EPA 200.7	ND	0.050	mg/L	1	ADE1429	05/29/20	06/02/20	
Beryllium	EPA 200.8	ND	1.0	ug/L	1	ADE1429	05/29/20	06/01/20	
Cadmium	EPA 200.8	ND	1.0	ug/L	1	ADE1429	05/29/20	06/01/20	
Calcium	EPA 200.7	24	0.10	mg/L	1	ADE1429	05/29/20	06/02/20	
Chromium	EPA 200.8	ND	10	ug/L	1	ADE1429	05/29/20	06/01/20	
Copper	EPA 200.8	37	5.0	ug/L	1	ADE1429	05/29/20	06/01/20	
Iron	EPA 200.7	ND	0.030	mg/L	1	ADE1429	05/29/20	06/02/20	
Lead	EPA 200.8	ND	1.0	ug/L	1	ADE1429	05/29/20	06/01/20	
Magnesium	EPA 200.7	12	0.10	mg/L	1	ADE1429	05/29/20	06/02/20	
Manganese	EPA 200.7	ND	0.010	mg/L	1	ADE1429	05/29/20	06/02/20	
Mercury	EPA 200.8	ND	0.20	ug/L	1	ADE1429	05/29/20	06/01/20	
Nickel	EPA 200.8	ND	10	ug/L	1	ADE1429	05/29/20	06/01/20	
Potassium	EPA 200.7	2.3	2.0	mg/L	1	ADE1429	05/29/20	06/02/20	
Selenium	EPA 200.8	ND	2.0	ug/L	1	ADE1429	05/29/20	06/01/20	
Silver	EPA 200.8	ND	10	ug/L	1	ADE1429	05/29/20	06/01/20	

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Sodium	EPA 200.7	60	1.0	mg/L	1	ADE1429	05/29/20	06/02/20	MS1.4
Thallium	EPA 200.8	ND	1.0	ug/L	1	ADE1429	05/29/20	06/01/20	
Hardness as CaCO3	SM 2340B	110	0.41	mg/L					
Zinc	EPA 200.7	ND	0.050	mg/L	1	ADE1429	05/29/20	06/02/20	

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