



Alpha Analytical Laboratories Inc.

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Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 • Phone: (916) 686-5190 • Fax: (916) 686-5192

Bracewell Engineering
6200 Harwood Drive
Oakland, CA 94618

Project Manager: Chris Hauge
Project: SJW
Project Number: [none]

Reported:
09/07/17 14:42

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
SJW Well 5 (17H2189-01)		Sample Type: Water			Sampled: 08/22/17 12:48			
Metals (Drinking Water) by EPA 200 Series Methods								
Calcium	96 mg/L	1.0	1	AH74066	08/24/17 07:07	08/31/17 17:33	EPA 200.7	
Iron	1200 ug/L	100	1	AH74066	08/24/17 07:07	08/31/17 17:33	EPA 200.7	
Magnesium	19 mg/L	1.0	1	AH74066	08/24/17 07:07	08/31/17 17:33	EPA 200.7	
Mercury	ND ug/L	1.0	1	AH74307	08/30/17 13:14	08/31/17 11:45	EPA 245.1	
Potassium	1.9 mg/L	1.0	1	AH74066	08/24/17 07:07	08/31/17 17:33	EPA 200.7	
Sodium	72 mg/L	1.0	1	AH74066	08/24/17 07:07	09/05/17 13:40	EPA 200.7	
Metals by EPA Method 200.8 ICP/MS								
Aluminum	ND ug/L	50	4	AH74032	08/24/17 11:27	08/25/17 15:46	EPA 200.8	
Antimony	ND ug/L	6.0	4	AH74032	08/24/17 11:27	08/25/17 15:46	EPA 200.8	
Arsenic	2.4 ug/L	2.0	4	AH74032	08/24/17 11:27	08/25/17 15:46	EPA 200.8	
Barium	140 ug/L	100	4	AH74032	08/24/17 11:27	08/25/17 15:46	EPA 200.8	
Beryllium	ND ug/L	1.0	4	AH74032	08/24/17 11:27	08/25/17 15:46	EPA 200.8	
Cadmium	ND ug/L	1.0	4	AH74032	08/24/17 11:27	08/25/17 15:46	EPA 200.8	
Chromium	ND ug/L	10	4	AH74032	08/24/17 11:27	08/25/17 15:46	EPA 200.8	
Copper	ND ug/L	50	4	AH74032	08/24/17 11:27	08/25/17 15:46	EPA 200.8	
Lead	ND ug/L	5.0	4	AH74032	08/24/17 11:27	08/25/17 15:46	EPA 200.8	
Manganese	230 ug/L	20	4	AH74032	08/24/17 11:27	08/25/17 15:46	EPA 200.8	
Nickel	ND ug/L	10	4	AH74032	08/24/17 11:27	08/28/17 23:11	EPA 200.8	
Selenium	ND ug/L	5.0	4	AH74032	08/24/17 11:27	08/25/17 15:46	EPA 200.8	
Silver	ND ug/L	10	4	AH74032	08/24/17 11:27	08/25/17 15:46	EPA 200.8	
Thallium	ND ug/L	1.0	4	AH74032	08/24/17 11:27	08/25/17 15:46	EPA 200.8	
Zinc	ND ug/L	50	4	AH74032	08/24/17 11:27	08/25/17 15:46	EPA 200.8	



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	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
SJW Well 5 (17H2189-01)		Sample Type: Water			Sampled: 08/22/17 12:48			
Conventional Chemistry Parameters by APHA/EPA Methods								
Aggressive Index	12.42 NU	2.00	1	AH74066	08/24/17 07:07	09/06/17 06:52	AWWA	
Bicarbonate	380 mg/L	5.0	1	AH74136	08/29/17 08:00	08/29/17 12:19	SM2320B	
Carbonate	ND mg/L	5.0	1	AH74136	08/29/17 08:00	08/29/17 12:19	SM2320B	
Color	18 CU	5.0	1	AH74034	08/22/17 19:00	08/22/17 19:00	SM2120B	
Hydroxide	ND mg/L	5.0	1	AH74136	08/29/17 08:00	08/29/17 12:19	SM2320B	
MBAS, calculated as LAS, mw 340	ND mg/L	0.050	1	AH74026	08/23/17 11:00	08/25/17 15:15	SM5540C	
Odor	2.0 T.O.N.	1.0	1	AH74034	08/22/17 19:00	08/22/17 19:00	EPA 140.1	OD-1
pH	7.54 pH Units	1.68	1	AH74203	08/23/17 16:00	08/28/17 13:15	SM4500-H+ B	T-14
Specific Conductance (EC)	880 umhos/cm	20	1	AH74203	08/23/17 16:00	08/23/17 17:00	SM2510B	
Total Dissolved Solids	550 mg/L	10	1	AH74070	08/25/17 07:30	08/29/17 15:00	SM2540C	
Turbidity	4.9 NTU	0.10	1	AH74101	08/23/17 15:00	08/23/17 15:00	SM2130B	
Total Alkalinity as CaCO3	320 mg/L	5.0	1	AH74136	08/29/17 08:00	08/29/17 12:19	SM2320B	
Nitrate + Nitrite as N	ND mg/L	0.40	1	AH74154	08/25/17 11:21	08/29/17 12:23	Calculation	
Hardness, Total	321 mg/L	5	1	AH74066	08/24/17 07:07	08/31/17 17:33	SM2340B	
Miscellaneous Physical/Conventional Chemistry Parameters								
Cyanide (total)	ND mg/L	0.10	1	AH74300	08/30/17 14:00	08/30/17 18:49	10-204-00-1X	
Anions by EPA Method 300.0								
Chloride	81 mg/L	10	20	AH74021	08/23/17 18:46	08/23/17 18:46	EPA 300.0	
Fluoride	1.4 mg/L	0.10	1	AH74021	08/23/17 19:02	08/23/17 19:02	EPA 300.0	
Nitrate as N	ND mg/L	0.40	1	AH74021	08/23/17 19:02	08/23/17 19:02	EPA 300.0	
Nitrite as N	ND mg/L	0.40	1	AH74021	08/23/17 19:02	08/23/17 19:02	EPA 300.0	
Sulfate as SO4	41 mg/L	0.50	1	AH74021	08/23/17 19:02	08/23/17 19:02	EPA 300.0	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.