



Alpha

Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

ELAP Certificates 1551, 2728, and 2922

19 April 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

RE: WQ Monitoring

Work Order: 16D0202

Enclosed are the results of analyses for samples received by the laboratory on 04/04/16 21:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Robbie C. Phillips

Project Manager



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: Oak Avenue

Reported:
04/19/16 10:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Oak Avenue	16D0202-01	Water	04/03/16 09:00	04/04/16 21:20



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: Oak Avenue

Reported:
04/19/16 10:42

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
Oak Avenue (16D0202-01)								
Sample Type: Water			Sampled: 04/03/16 09:00					
Metals by EPA 200 Series Methods								
Boron	0.30 mg/L	0.050	1	AD63175	04/12/16 16:00	04/14/16 16:15	EPA 200.7	
Calcium	44 mg/L	1.0	1	AD63175	04/12/16 16:00	04/14/16 16:15	EPA 200.7	
Magnesium	22 mg/L	1.0	1	AD63175	04/12/16 16:00	04/14/16 16:15	EPA 200.7	
Sodium	71 mg/L	1.0	1	AD63175	04/12/16 16:00	04/14/16 16:15	EPA 200.7	
Conventional Chemistry Parameters by APHA/EPA Methods								
Ammonia as NH3	49 mg/L	0.50	1	AD62949	04/06/16 08:00	04/06/16 17:00	SM4500NH3C	
Bicarbonate	370 mg/L	5.0	1	AD62961	04/06/16 09:35	04/06/16 17:00	SM2320B	
Biochemical Oxygen Demand	360 mg/L	5.0	1	AD63122	04/05/16 09:00	04/10/16 14:00	SM5210B	
pH	7.46 pH Units	1.68	1	AD62924	04/04/16 18:40	04/04/16 18:40	SM4500-H+ B	T-14
Specific Conductance (EC)	1000 umhos/cm	20	1	AD62910	04/05/16 17:00	04/05/16 17:00	SM2510B	
Total Dissolved Solids	500 mg/L	10	1	AD62954	04/06/16 09:00	04/12/16 08:45	SM2540C	
Total Suspended Solids	490 mg/L	1.0	1	AD62969	04/06/16 11:13	04/08/16 11:00	SM2540D	
Silica	19 mg/L	2.0	2	AD62927	04/05/16 14:15	04/05/16 16:30	SM4500-SiO2 C	
Bicarbonate Alkalinity as CaCO3	300 mg/L	5.0	1	AD62961	04/06/16 09:35	04/06/16 17:00	SM2320B	
Carbonate Alkalinity as CaCO3	ND mg/L	5.0	1	AD62961	04/06/16 09:35	04/06/16 17:00	SM2320B	
Hydroxide Alkalinity as CaCO3	ND mg/L	5.0	1	AD62961	04/06/16 09:35	04/06/16 17:00	SM2320B	
Total Alkalinity as CaCO3	300 mg/L	5.0	1	AD62961	04/06/16 09:35	04/06/16 17:00	SM2320B	
Total Kjeldahl Nitrogen	58 mg/L	1.0	1	AD62911	04/06/16 09:41	04/07/16 09:23	SM4500-Norg B	
Total Nitrogen	58 mg/L	1.0	1	AD62999	04/07/16 08:43	04/12/16 09:47	SM4500-N	
Phosphorus, total	7.4 mg/L	2.0	5	AD63089	04/11/16 08:00	04/11/16 12:48	SM4500-P E	
Miscellaneous Physical/Conventional Chemistry Parameters								
Sodium Adsorption Ratio-Adj RNA	2.60 NA		1	AD63175	04/12/16 16:00	04/19/16 07:22	SAR	



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: Oak Avenue

Reported:
04/19/16 10:42

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
Oak Avenue (16D0202-01)		Sample Type: Water			Sampled: 04/03/16 09:00			
Anions by EPA Method 300.0								
Chloride	74 mg/L	10	20	AD62920	04/05/16 17:50	04/05/16 17:50	EPA 300.0	
Nitrate as N	ND mg/L	0.20	1	AD62920	04/05/16 18:06	04/05/16 18:06	EPA 300.0	T-2
Nitrate as NO3	ND mg/L	1.0	1	AD62920	04/05/16 18:06	04/05/16 18:06	EPA 300.0	T-2
Nitrite as N	ND mg/L	0.20	1	AD62920	04/05/16 18:06	04/05/16 18:06	EPA 300.0	T-2
Nitrite as NO2	ND mg/L	1.0	1	AD62920	04/05/16 18:06	04/05/16 18:06	EPA 300.0	T-2



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: Oak Avenue

Reported:
04/19/16 10:42

Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AD63175 - Metals Digest										
Blank (AD63175-BLK1)				Prepared: 04/12/16 Analyzed: 04/14/16						
Boron	ND	0.050	mg/L							
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	mg/L							
Sodium	ND	1.0	mg/L							
LCS (AD63175-BS1)				Prepared: 04/12/16 Analyzed: 04/14/16						
Boron	0.386	0.050	mg/L	0.400		96.6	85-115			
Calcium	7.87	1.0	mg/L	8.00		98.4	85-115			
Magnesium	8.39	1.0	mg/L	8.00		105	85-115			
Sodium	8.35	1.0	mg/L	8.00		104	85-115			
Duplicate (AD63175-DUP1)				Source: 16D0166-01		Prepared: 04/12/16 Analyzed: 04/14/16				
Boron	0.0889	0.050	mg/L		0.0865			2.72	20	
Calcium	11.9	1.0	mg/L		11.7			1.16	20	
Magnesium	27.2	1.0	mg/L		27.6			1.55	20	
Sodium	6.84	1.0	mg/L		6.72			1.84	20	
Matrix Spike (AD63175-MS1)				Source: 16D0166-01		Prepared: 04/12/16 Analyzed: 04/14/16				
Boron	0.432	0.050	mg/L	0.400	0.0865	86.3	70-130			
Calcium	18.2	1.0	mg/L	8.00	11.7	80.9	70-130			
Magnesium	32.2	1.0	mg/L	8.00	27.6	58.2	70-130			QM-01
Sodium	13.9	1.0	mg/L	8.00	6.72	90.0	70-130			
Matrix Spike (AD63175-MS2)				Source: 16D0198-01		Prepared: 04/12/16 Analyzed: 04/14/16				
Boron	0.577	0.050	mg/L	0.400	0.197	94.8	70-130			
Calcium	88.7	1.0	mg/L	8.00	78.3	130	70-130			
Magnesium	79.4	1.0	mg/L	8.00	67.9	144	70-130			QM-4X
Sodium	51.9	1.0	mg/L	8.00	42.6	116	70-130			

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.



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: Oak Avenue

Reported:
04/19/16 10:42

Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
------------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	------

Batch AD63175 - Metals Digest

Matrix Spike Dup (AD63175-MSD1)

Source: 16D0166-01

Prepared: 04/12/16 Analyzed: 04/14/16

Boron	0.462	0.050	mg/L	0.400	0.0865	93.9	70-130	6.86	20	
Calcium	19.0	1.0	mg/L	8.00	11.7	90.3	70-130	4.03	20	
Magnesium	33.7	1.0	mg/L	8.00	27.6	76.2	70-130	4.37	20	
Sodium	14.6	1.0	mg/L	8.00	6.72	98.3	70-130	4.65	20	



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: Oak Avenue

Reported:
04/19/16 10:42

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AD62910 - General Preparation										
Duplicate (AD62910-DUP1)	Source: 16D0236-03			Prepared & Analyzed: 04/05/16						
Specific Conductance (EC)	165	20	umhos/cm		165			0.00	5	
Batch AD62911 - General Prep										
LCS (AD62911-BS1)				Prepared: 04/05/16 Analyzed: 04/06/16						
Total Kjeldahl Nitrogen	2.95	1.0	mg/L	2.98		99.0	80-120			
LCS Dup (AD62911-BSD1)				Prepared: 04/05/16 Analyzed: 04/06/16						
Total Kjeldahl Nitrogen	2.95	1.0	mg/L	2.98		99.0	80-120	0.00	20	
Matrix Spike (AD62911-MS1)	Source: 16D0191-01			Prepared: 04/05/16 Analyzed: 04/06/16						
Total Kjeldahl Nitrogen	43.4	1.0	mg/L	22.6	24.5	83.5	75-125			
Matrix Spike Dup (AD62911-MSD1)	Source: 16D0191-01			Prepared: 04/05/16 Analyzed: 04/06/16						
Total Kjeldahl Nitrogen	43.4	1.0	mg/L	22.6	24.5	83.5	75-125	0.00	20	
Batch AD62924 - General Preparation										
Duplicate (AD62924-DUP1)	Source: 16D0229-01			Prepared & Analyzed: 04/04/16						
pH	9.00	1.68	pH Units		8.91			1.01	20	
Duplicate (AD62924-DUP2)	Source: 16D0224-01			Prepared & Analyzed: 04/04/16						
pH	8.33	1.68	pH Units		8.39			0.718	20	
Batch AD62927 - General Preparation										
Blank (AD62927-BLK1)				Prepared & Analyzed: 04/05/16						
Silica	ND	1.0	mg/L							



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: Oak Avenue

Reported:
04/19/16 10:42

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AD62927 - General Preparation										
LCS (AD62927-BS1)				Prepared & Analyzed: 04/05/16						
Silica	10.0	1.0	mg/L	10.0		100	85-115			
LCS Dup (AD62927-BSD1)				Prepared & Analyzed: 04/05/16						
Silica	10.6	1.0	mg/L	10.0		106	85-115	5.65	20	
Duplicate (AD62927-DUP1)				Source: 16D0230-01		Prepared & Analyzed: 04/05/16				
Silica	18.7	1.0	mg/L		18.4			1.57	20	
Matrix Spike (AD62927-MS1)				Source: 16D0230-01		Prepared & Analyzed: 04/05/16				
Silica	22.3	1.0	mg/L	5.00	18.4	78.0	80-120			QM-05
Matrix Spike Dup (AD62927-MSD1)				Source: 16D0230-01		Prepared & Analyzed: 04/05/16				
Silica	22.2	1.0	mg/L	5.00	18.4	75.1	80-120	0.656	20	QM-05
Batch AD62949 - General Preparation										
Blank (AD62949-BLK1)				Prepared & Analyzed: 04/06/16						
Ammonia as NH3	ND	0.50	mg/L							
LCS (AD62949-BS1)				Prepared & Analyzed: 04/06/16						
Ammonia as NH3	5.75	0.50	mg/L	6.10		94.2	90-110			
LCS Dup (AD62949-BSD1)				Prepared & Analyzed: 04/06/16						
Ammonia as NH3	5.85	0.50	mg/L	6.10		96.0	90-110	1.83	10	
Matrix Spike (AD62949-MS1)				Source: 16D0159-01		Prepared & Analyzed: 04/06/16				
Ammonia as NH3	12.1	0.50	mg/L	12.2	ND	99.5	85-115			

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.



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: Oak Avenue

Reported:
04/19/16 10:42

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AD62949 - General Preparation										
Matrix Spike Dup (AD62949-MSD1)		Source: 16D0159-01			Prepared & Analyzed: 04/06/16					
Ammonia as NH ₃	11.9	0.50	mg/L	12.2	ND	97.7	85-115	1.77	20	
Batch AD62954 - General Preparation										
Blank (AD62954-BLK1)		Prepared: 04/06/16 Analyzed: 04/12/16								
Total Dissolved Solids	ND	10	mg/L							
Duplicate (AD62954-DUP1)		Source: 16D0213-01			Prepared: 04/06/16 Analyzed: 04/12/16					
Total Dissolved Solids	600	10	mg/L		652			8.31	15	
Duplicate (AD62954-DUP2)		Source: 16D0230-02			Prepared: 04/06/16 Analyzed: 04/12/16					
Total Dissolved Solids	376	10	mg/L		404			7.18	15	
Batch AD62961 - General Preparation										
Duplicate (AD62961-DUP1)		Source: 16D0236-03			Prepared & Analyzed: 04/06/16					
Bicarbonate	85.4	5.0	mg/L		84.2			1.44	20	
Carbonate Alkalinity as CaCO ₃	ND	5.0	mg/L		ND				20	
Total Alkalinity as CaCO ₃	70.0	5.0	mg/L		69.0			1.44	20	
Hydroxide Alkalinity as CaCO ₃	ND	5.0	mg/L		ND				20	
Bicarbonate Alkalinity as CaCO ₃	70.0	5.0	mg/L		69.0			1.44	20	
Batch AD62969 - General Preparation										
Blank (AD62969-BLK1)		Prepared: 04/06/16 Analyzed: 04/08/16								
Total Suspended Solids	ND	1.0	mg/L							



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: Oak Avenue

Reported:
04/19/16 10:42

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AD62969 - General Preparation										
Duplicate (AD62969-DUP1)		Source: 16D0202-01		Prepared: 04/06/16 Analyzed: 04/08/16						
Total Suspended Solids	468	1.0	mg/L		490			4.70	30	
Duplicate (AD62969-DUP2)		Source: 16D0361-01		Prepared: 04/06/16 Analyzed: 04/08/16						
Total Suspended Solids	382	1.0	mg/L		335			13.2	30	
Batch AD63089 - General Prep										
Blank (AD63089-BLK1)		Prepared & Analyzed: 04/11/16								
Phosphorus, total	ND	0.040	mg/L							
LCS (AD63089-BS1)		Prepared & Analyzed: 04/11/16								
Phosphorus, total	0.200	0.040	mg/L	0.200		99.8	85-115			
Duplicate (AD63089-DUP1)		Source: 16D0370-02		Prepared & Analyzed: 04/11/16						
Phosphorus, total	3.21	0.80	mg/L		3.24			0.831	20	
Matrix Spike (AD63089-MS1)		Source: 16D0370-02		Prepared & Analyzed: 04/11/16						
Phosphorus, total	4.96	0.80	mg/L	2.00	3.24	86.1	70-130			
Matrix Spike (AD63089-MS2)		Source: 16D0372-02		Prepared & Analyzed: 04/11/16						
Phosphorus, total	5.04	0.80	mg/L	2.00	3.51	76.7	70-130			
Matrix Spike Dup (AD63089-MSD1)		Source: 16D0370-02		Prepared & Analyzed: 04/11/16						
Phosphorus, total	4.99	0.80	mg/L	2.00	3.24	87.4	70-130	0.543	20	
Batch AD63122 - General Preparation										
Blank (AD63122-BLK1)		Prepared: 04/05/16 Analyzed: 04/10/16								
Biochemical Oxygen Demand	ND	5.0	mg/L							

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.



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: Oak Avenue

Reported:
04/19/16 10:42

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Flag
Batch AD63122 - General Preparation									
Blank (AD63122-BLK2)				Prepared: 04/05/16 Analyzed: 04/10/16					
Biochemical Oxygen Demand	ND	5.0	mg/L						
LCS (AD63122-BS1)				Prepared: 04/05/16 Analyzed: 04/10/16					
Biochemical Oxygen Demand	220	5.0	mg/L	200	110	84-115			
Duplicate (AD63122-DUP1)				Source: 16D0202-01 Prepared: 04/05/16 Analyzed: 04/10/16					
Biochemical Oxygen Demand	340	5.0	mg/L		360		5.85	30	



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: Oak Avenue

Reported:
04/19/16 10:42

Anions by EPA Method 300.0 - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AD62920 - General Preparation										
Blank (AD62920-BLK1)				Prepared & Analyzed: 04/05/16						
Nitrite as NO ₂	ND	1.0	mg/L							
Nitrate as NO ₃	ND	1.0	mg/L							
Nitrite as N	ND	0.20	mg/L							
Nitrate as N	ND	0.20	mg/L							
Chloride	ND	0.50	mg/L							
LCS (AD62920-BS1)				Prepared & Analyzed: 04/05/16						
Chloride	11.5	0.50	mg/L	11.1		103	90-110			
Nitrate as NO ₃	26	1.0	mg/L	24.7		104	90-110			
Nitrate as N	5.80	0.20	mg/L	5.56		104	90-110			
Nitrite as NO ₂	18.0	1.0	mg/L	18.2		98.8	90-110			
Nitrite as N	5.47	0.20	mg/L	5.56		98.5	90-110			
Duplicate (AD62920-DUP1)				Source: 16D0166-01			Prepared & Analyzed: 04/05/16			
Nitrite as N	ND	0.20	mg/L		ND				20	
Nitrate as NO ₃	ND	1.0	mg/L		ND				20	
Nitrite as NO ₂	ND	1.0	mg/L		ND				20	
Nitrate as N	ND	0.20	mg/L		ND				20	
Chloride	3.78	0.50	mg/L		3.78			0.0264	20	
Matrix Spike (AD62920-MS1)				Source: 16D0166-01			Prepared & Analyzed: 04/05/16			
Chloride	14.9	2.5	mg/L	11.1	3.78	100	80-120			
Nitrite as N	5.30	1.0	mg/L	5.56	ND	95.4	80-120			
Nitrate as NO ₃	24	5.0	mg/L	24.7	ND	97.7	80-120			
Nitrite as NO ₂	17.4	5.0	mg/L	18.2	ND	95.7	80-120			
Nitrate as N	5.44	1.0	mg/L	5.56	ND	98.0	80-120			
Matrix Spike (AD62920-MS2)				Source: 16D0167-01			Prepared & Analyzed: 04/06/16			
Nitrite as N	6.12	0.20	mg/L	5.56	ND	110	80-120			
Nitrite as NO ₂	20.1	1.0	mg/L	18.2	ND	110	80-120			
Chloride	14.7	0.50	mg/L	11.1	3.13	105	80-120			
Nitrate as NO ₃	31	1.0	mg/L	24.7	1.0	122	80-120			QM-07
Nitrate as N	7.01	0.20	mg/L	5.56	0.237	122	80-120			QM-07

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.



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: Oak Avenue

Reported:
04/19/16 10:42

Anions by EPA Method 300.0 - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
------------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	------

Batch AD62920 - General Preparation

Matrix Spike Dup (AD62920-MSD1)

Source: 16D0166-01

Prepared & Analyzed: 04/05/16

Nitrite as NO ₂	17.5	5.0	mg/L	18.2	ND	96.1	80-120	0.418	20	
Nitrate as NO ₃	24	5.0	mg/L	24.7	ND	98.2	80-120	0.437	20	
Nitrate as N	5.47	1.0	mg/L	5.56	ND	98.4	80-120	0.437	20	
Nitrite as N	5.32	1.0	mg/L	5.56	ND	95.8	80-120	0.418	20	
Chloride	14.9	2.5	mg/L	11.1	3.78	100	80-120	0.112	20	



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: Oak Avenue

Reported:
04/19/16 10:42

Notes and Definitions

- QM-01 The spike recovery for this QC sample is outside of established control limits possibly due to a sample matrix interference.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- T-14 Residual chlorine, dissolved oxygen, and pH must be analyzed in the field to meet the EPA specified 15 minute hold time.
- T-2 Sample analyzed outside of recommended holding time per client.
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- REC Recovery
- RPD Relative Percent Difference

[illegible]