



Alpha Analytical Laboratories Inc.

e-mail: [clientservices@alpha-labs.com](mailto: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

20 April 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

RE: WQ Monitoring

Work Order: 16D0361

Enclosed are the results of analyses for samples received by the laboratory on 04/05/16 22:15. 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](mailto: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:  
04/20/16 10:35

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Oak Avenue	16D0361-01	Water	04/05/16 09:00	04/05/16 22:15



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:  
04/20/16 10:35

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
Oak Avenue (16D0361-01)								
Sample Type: Water			Sampled: 04/05/16 09:00					
Metals by EPA 200 Series Methods								
Boron	0.48 mg/L	0.050	1	AD63278	04/14/16 14:02	04/18/16 16:48	EPA 200.7	
Calcium	36 mg/L	1.0	1	AD63278	04/14/16 14:02	04/18/16 16:48	EPA 200.7	
Magnesium	24 mg/L	1.0	1	AD63278	04/14/16 14:02	04/18/16 16:48	EPA 200.7	
Sodium	73 mg/L	1.0	1	AD63278	04/14/16 14:02	04/18/16 16:48	EPA 200.7	
Conventional Chemistry Parameters by APHA/EPA Methods								
Ammonia as NH3	59 mg/L	0.50	1	AD63144	04/12/16 08:00	04/12/16 17:00	SM4500NH3C	
Bicarbonate	390 mg/L	5.0	1	AD62962	04/11/16 09:37	04/11/16 15:37	SM2320B	
Biochemical Oxygen Demand	230 mg/L	5.0	1	AD63127	04/06/16 12:00	04/11/16 13:00	SM5210B	
pH	7.60 pH Units	1.68	1	AD62974	04/05/16 18:30	04/05/16 18:30	SM4500-H+ B	T-14
Specific Conductance (EC)	1100 umhos/cm	20	1	AD63053	04/06/16 17:00	04/06/16 17:00	SM2510B	
Total Dissolved Solids	600 mg/L	10	1	AD63095	04/11/16 11:15	04/13/16 14:30	SM2540C	
Total Suspended Solids	340 mg/L	1.0	1	AD62969	04/06/16 11:13	04/08/16 11:00	SM2540D	
Silica	21 mg/L	2.0	2	AD63052	04/08/16 09:45	04/08/16 12:00	SM4500-SiO2 C	
Bicarbonate Alkalinity as CaCO3	320 mg/L	5.0	1	AD62962	04/11/16 09:37	04/11/16 15:37	SM2320B	
Carbonate Alkalinity as CaCO3	ND mg/L	5.0	1	AD62962	04/11/16 09:37	04/11/16 15:37	SM2320B	
Hydroxide Alkalinity as CaCO3	ND mg/L	5.0	1	AD62962	04/11/16 09:37	04/11/16 15:37	SM2320B	
Total Alkalinity as CaCO3	320 mg/L	5.0	1	AD62962	04/11/16 09:37	04/11/16 15:37	SM2320B	
Total Kjeldahl Nitrogen	51 mg/L	1.0	1	AD62975	04/07/16 07:49	04/08/16 10:11	SM4500-Norg B	
Total Nitrogen	51 mg/L	1.0	1	AD62999	04/07/16 08:43	04/12/16 09:47	SM4500-N	
Phosphorus, total	7.0 mg/L	0.80	2	AD63089	04/11/16 08:00	04/11/16 12:48	SM4500-P E	
Miscellaneous Physical/Conventional Chemistry Parameters								
Sodium Adsorption Ratio-Adj RNA	2.65 NA		1	AD63278	04/14/16 14:02	04/20/16 07:29	SAR	



Alpha Analytical Laboratories Inc.

e-mail: [clientservices@alpha-labs.com](mailto: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:  
04/20/16 10:35

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
<b>Oak Avenue (16D0361-01)</b>								
<b>Anions by EPA Method 300.0</b>								
				<b>Sample Type: Water</b>		<b>Sampled: 04/05/16 09:00</b>		
<b>Chloride</b>	<b>76 mg/L</b>	<b>12</b>	25	AD62985	04/06/16 23:52	04/06/16 23:52	EPA 300.0	
Nitrate as N	ND mg/L	0.20	1	AD62985	04/07/16 00:08	04/07/16 00:08	EPA 300.0	
Nitrate as NO <sub>3</sub>	ND mg/L	1.0	1	AD62985	04/07/16 00:08	04/07/16 00:08	EPA 300.0	
Nitrite as N	ND mg/L	0.20	1	AD62985	04/07/16 00:08	04/07/16 00:08	EPA 300.0	
Nitrite as NO <sub>2</sub>	ND mg/L	1.0	1	AD62985	04/07/16 00:08	04/07/16 00:08	EPA 300.0	



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:  
04/20/16 10:35

### 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
<b>Batch AD63278 - Metals Digest</b>										
<b>Blank (AD63278-BLK1)</b>				Prepared: 04/14/16 Analyzed: 04/18/16						
Boron	ND	0.050	mg/L							
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	mg/L							
Sodium	ND	1.0	mg/L							
<b>LCS (AD63278-BS1)</b>				Prepared: 04/14/16 Analyzed: 04/18/16						
Boron	0.387	0.050	mg/L	0.400		96.8	85-115			
Calcium	7.66	1.0	mg/L	8.00		95.8	85-115			
Magnesium	8.13	1.0	mg/L	8.00		102	85-115			
Sodium	7.94	1.0	mg/L	8.00		99.3	85-115			
<b>Duplicate (AD63278-DUP1)</b>				<b>Source: 16D0416-01</b>		Prepared: 04/14/16 Analyzed: 04/18/16				
Boron	0.0713	0.050	mg/L		0.0615			14.8	20	
Calcium	13.6	1.0	mg/L		14.1			4.07	20	
Magnesium	8.86	1.0	mg/L		8.72			1.65	20	
Sodium	22.9	1.0	mg/L		23.8			3.65	20	
<b>Matrix Spike (AD63278-MS1)</b>				<b>Source: 16D0416-01</b>		Prepared: 04/14/16 Analyzed: 04/18/16				
Boron	0.453	0.050	mg/L	0.400	0.0615	97.9	70-130			
Calcium	22.6	1.0	mg/L	8.00	14.1	106	70-130			
Magnesium	17.5	1.0	mg/L	8.00	8.72	110	70-130			
Sodium	32.4	1.0	mg/L	8.00	23.8	108	70-130			
<b>Matrix Spike (AD63278-MS2)</b>				<b>Source: 16D0464-01</b>		Prepared: 04/14/16 Analyzed: 04/18/16				
Boron	1.83	0.050	mg/L	0.400	1.54	71.3	70-130			
Calcium	37.3	1.0	mg/L	8.00	31.2	76.9	70-130			
Magnesium	29.2	1.0	mg/L	8.00	22.8	79.8	70-130			
Sodium	24.8	1.0	mg/L	8.00	17.7	88.4	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](mailto: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:  
04/20/16 10:35

### 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 AD63278 - Metals Digest

##### Matrix Spike Dup (AD63278-MSD1)

Source: 16D0416-01

Prepared: 04/14/16 Analyzed: 04/18/16

Boron	0.440	0.050	mg/L	0.400	0.0615	94.6	70-130	3.01	20	
Calcium	21.6	1.0	mg/L	8.00	14.1	93.7	70-130	4.52	20	
Magnesium	17.0	1.0	mg/L	8.00	8.72	103	70-130	3.41	20	
Sodium	31.0	1.0	mg/L	8.00	23.8	90.6	70-130	4.46	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:  
04/20/16 10:35

### 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
<b>Batch AD62962 - General Preparation</b>										
<b>Duplicate (AD62962-DUP1)</b>	<b>Source: 16D0503-03</b>			Prepared & Analyzed: 04/11/16						
Bicarbonate	67.1	5.0	mg/L		65.9			1.83	20	
Total Alkalinity as CaCO <sub>3</sub>	55.0	5.0	mg/L		54.0			1.83	20	
Bicarbonate Alkalinity as CaCO <sub>3</sub>	55.0	5.0	mg/L		54.0			1.83	20	
Carbonate Alkalinity as CaCO <sub>3</sub>	ND	5.0	mg/L		ND				20	
Hydroxide Alkalinity as CaCO <sub>3</sub>	ND	5.0	mg/L		ND				20	
<b>Batch AD62969 - General Preparation</b>										
<b>Blank (AD62969-BLK1)</b>	Prepared: 04/06/16 Analyzed: 04/08/16									
Total Suspended Solids	ND	1.0	mg/L							
<b>Duplicate (AD62969-DUP1)</b>	<b>Source: 16D0202-01</b>			Prepared: 04/06/16 Analyzed: 04/08/16						
Total Suspended Solids	468	1.0	mg/L		490			4.70	30	
<b>Duplicate (AD62969-DUP2)</b>	<b>Source: 16D0361-01</b>			Prepared: 04/06/16 Analyzed: 04/08/16						
Total Suspended Solids	382	1.0	mg/L		335			13.2	30	
<b>Batch AD62974 - General Preparation</b>										
<b>Duplicate (AD62974-DUP1)</b>	<b>Source: 16D0404-01</b>			Prepared & Analyzed: 04/05/16						
pH	8.22	1.68	pH Units		8.17			0.610	20	
<b>Batch AD62975 - General Prep</b>										
<b>LCS (AD62975-BS1)</b>	Prepared: 04/06/16 Analyzed: 04/07/16									
Total Kjeldahl Nitrogen	2.95	1.0	mg/L	2.98		99.0	80-120			



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:  
04/20/16 10:35

### 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
<b>Batch AD62975 - General Prep</b>										
<b>LCS Dup (AD62975-BSD1)</b>				Prepared: 04/06/16 Analyzed: 04/07/16						
Total Kjeldahl Nitrogen	2.95	1.0	mg/L	2.98		99.0	80-120	0.00	20	
<b>Matrix Spike (AD62975-MS1)</b>				<b>Source: 16D0283-01</b> Prepared: 04/06/16 Analyzed: 04/07/16						
Total Kjeldahl Nitrogen	3.13	1.0	mg/L	2.98	ND	105	75-125			
<b>Matrix Spike Dup (AD62975-MSD1)</b>				<b>Source: 16D0283-01</b> Prepared: 04/06/16 Analyzed: 04/07/16						
Total Kjeldahl Nitrogen	3.13	1.0	mg/L	2.98	ND	105	75-125	0.00	20	
<b>Batch AD63052 - General Preparation</b>										
<b>Blank (AD63052-BLK1)</b>				Prepared & Analyzed: 04/08/16						
Silica	ND	1.0	mg/L							
<b>LCS (AD63052-BS1)</b>				Prepared & Analyzed: 04/08/16						
Silica	10.3	1.0	mg/L	10.0		103	85-115			
<b>LCS Dup (AD63052-BSD1)</b>				Prepared & Analyzed: 04/08/16						
Silica	10.5	1.0	mg/L	10.0		105	85-115	2.48	20	
<b>Duplicate (AD63052-DUP1)</b>				<b>Source: 16D0361-01</b> Prepared & Analyzed: 04/08/16						
Silica	20.8	2.0	mg/L		21.3			2.46	20	
<b>Matrix Spike (AD63052-MS1)</b>				<b>Source: 16D0361-01</b> Prepared & Analyzed: 04/08/16						
Silica	30.2	4.0	mg/L	10.0	21.3	89.4	80-120			
<b>Matrix Spike Dup (AD63052-MSD1)</b>				<b>Source: 16D0361-01</b> Prepared & Analyzed: 04/08/16						
Silica	29.9	4.0	mg/L	10.0	21.3	86.4	80-120	0.982	20	

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:  
04/20/16 10:35

### 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
<b>Batch AD63053 - General Preparation</b>										
<b>Duplicate (AD63053-DUP1)</b>	<b>Source: 16D0468-02</b>			Prepared & Analyzed: 04/06/16						
Specific Conductance (EC)	1570	20	umhos/cm		1560			0.192	5	
<b>Batch AD63089 - General Prep</b>										
<b>Blank (AD63089-BLK1)</b>				Prepared & Analyzed: 04/11/16						
Phosphorus, total	ND	0.040	mg/L							
<b>LCS (AD63089-BS1)</b>				Prepared & Analyzed: 04/11/16						
Phosphorus, total	0.200	0.040	mg/L	0.200		99.8	85-115			
<b>Duplicate (AD63089-DUP1)</b>	<b>Source: 16D0370-02</b>			Prepared & Analyzed: 04/11/16						
Phosphorus, total	3.21	0.80	mg/L		3.24			0.831	20	
<b>Matrix Spike (AD63089-MS1)</b>	<b>Source: 16D0370-02</b>			Prepared & Analyzed: 04/11/16						
Phosphorus, total	4.96	0.80	mg/L	2.00	3.24	86.1	70-130			
<b>Matrix Spike (AD63089-MS2)</b>	<b>Source: 16D0372-02</b>			Prepared & Analyzed: 04/11/16						
Phosphorus, total	5.04	0.80	mg/L	2.00	3.51	76.7	70-130			
<b>Matrix Spike Dup (AD63089-MSD1)</b>	<b>Source: 16D0370-02</b>			Prepared & Analyzed: 04/11/16						
Phosphorus, total	4.99	0.80	mg/L	2.00	3.24	87.4	70-130	0.543	20	
<b>Batch AD63095 - General Preparation</b>										
<b>Blank (AD63095-BLK1)</b>				Prepared: 04/11/16 Analyzed: 04/13/16						
Total Dissolved Solids	ND	10	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:  
04/20/16 10:35

### 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
<b>Batch AD63095 - General Preparation</b>									
<b>Duplicate (AD63095-DUP1)</b>	<b>Source: 16D0361-01</b>			Prepared: 04/11/16 Analyzed: 04/13/16					
Total Dissolved Solids	592	10	mg/L		600		1.34	15	
<b>Duplicate (AD63095-DUP2)</b>	<b>Source: 16D0530-10</b>			Prepared: 04/11/16 Analyzed: 04/13/16					
Total Dissolved Solids	716	10	mg/L		716		0.00	15	
<b>Batch AD63127 - General Preparation</b>									
<b>Blank (AD63127-BLK1)</b>	Prepared: 04/06/16 Analyzed: 04/11/16								
Biochemical Oxygen Demand	ND	5.0	mg/L						
<b>Blank (AD63127-BLK2)</b>	Prepared: 04/06/16 Analyzed: 04/11/16								
Biochemical Oxygen Demand	ND	5.0	mg/L						
<b>LCS (AD63127-BS1)</b>	Prepared: 04/05/16 Analyzed: 04/10/16								
Biochemical Oxygen Demand	220	5.0	mg/L	200		110 84-115			
<b>Duplicate (AD63127-DUP1)</b>	<b>Source: 16D0344-02</b>			Prepared: 04/06/16 Analyzed: 04/11/16					
Biochemical Oxygen Demand	ND	5.0	mg/L		ND			30	
<b>Batch AD63144 - General Preparation</b>									
<b>Blank (AD63144-BLK1)</b>	Prepared & Analyzed: 04/13/16								
Ammonia as NH3	ND	0.50	mg/L						
<b>LCS (AD63144-BS1)</b>	Prepared & Analyzed: 04/13/16								
Ammonia as NH3	5.75	0.50	mg/L	6.10		94.2 90-110			



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:  
04/20/16 10:35

### 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
<b>Batch AD63144 - General Preparation</b>										
<b>LCS Dup (AD63144-BSD1)</b>				Prepared & Analyzed: 04/13/16						
Ammonia as NH3	6.07	0.50	mg/L	6.10		99.5	90-110	5.40	10	
<b>Matrix Spike (AD63144-MS1)</b>				Source: 16D0419-02 Prepared & Analyzed: 04/13/16						
Ammonia as NH3	6.07	0.50	mg/L	6.10	ND	99.5	85-115			
<b>Matrix Spike Dup (AD63144-MSD1)</b>				Source: 16D0419-02 Prepared & Analyzed: 04/13/16						
Ammonia as NH3	5.96	0.50	mg/L	6.10	ND	97.7	85-115	1.76	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:  
04/20/16 10:35

### 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
<b>Batch AD62985 - General Preparation</b>										
<b>Blank (AD62985-BLK1)</b>				Prepared & Analyzed: 04/06/16						
Nitrite as NO <sub>2</sub>	ND	1.0	mg/L							
Nitrate as N	ND	0.20	mg/L							
Nitrate as NO <sub>3</sub>	ND	1.0	mg/L							
Chloride	ND	0.50	mg/L							
Nitrite as N	ND	0.20	mg/L							
<b>LCS (AD62985-BS1)</b>				Prepared & Analyzed: 04/06/16						
Nitrate as NO <sub>3</sub>	23	1.0	mg/L	22.2		103	90-110			
Chloride	10.3	0.50	mg/L	10.0		103	90-110			
Nitrite as N	4.86	0.20	mg/L	5.00		97.2	90-110			
Nitrate as N	5.18	0.20	mg/L	5.00		104	90-110			
Nitrite as NO <sub>2</sub>	16.0	1.0	mg/L	16.4		97.5	90-110			
<b>Duplicate (AD62985-DUP1)</b>				<b>Source: 16D0373-01</b>		Prepared & Analyzed: 04/07/16				
Nitrate as NO <sub>3</sub>	4.1	1.0	mg/L		4.2			1.36	20	
Nitrite as N	ND	0.20	mg/L		ND				20	
Nitrite as NO <sub>2</sub>	ND	1.0	mg/L		ND				20	
Chloride	33.4	2.5	mg/L		32.4			3.20	20	
Nitrate as N	0.925	0.20	mg/L		0.937			1.36	20	
<b>Matrix Spike (AD62985-MS1)</b>				<b>Source: 16D0373-01</b>		Prepared & Analyzed: 04/07/16				
Nitrite as N	5.27	1.0	mg/L	5.56	ND	94.8	80-120			
Chloride	45.0	2.5	mg/L	11.1	32.4	114	80-120			
Nitrate as NO <sub>3</sub>	29	5.0	mg/L	24.7	ND	101	80-120			
Nitrate as N	6.53	1.0	mg/L	5.56	ND	101	80-120			
Nitrite as NO <sub>2</sub>	17.3	5.0	mg/L	18.2	ND	95.1	80-120			
<b>Matrix Spike (AD62985-MS2)</b>				<b>Source: 16D0316-04</b>		Prepared & Analyzed: 04/07/16				
Chloride	17.0	2.5	mg/L	11.1	6.13	97.6	80-120			
Nitrite as N	4.97	1.0	mg/L	5.56	ND	89.4	80-120			
Nitrate as N	5.56	1.0	mg/L	5.56	ND	100	80-120			
Nitrite as NO <sub>2</sub>	16.3	5.0	mg/L	18.2	ND	89.7	80-120			
Nitrate as NO <sub>3</sub>	25	5.0	mg/L	24.7	ND	99.9	80-120			

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:  
04/20/16 10:35

### 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 AD62985 - General Preparation

##### Matrix Spike Dup (AD62985-MSD1)

Source: 16D0373-01

Prepared & Analyzed: 04/07/16

Chloride	45.1	2.5	mg/L	11.1	32.4	115	80-120	0.234	20	
Nitrate as NO3	29	5.0	mg/L	24.7	ND	101	80-120	0.612	20	
Nitrate as N	6.57	1.0	mg/L	5.56	ND	101	80-120	0.612	20	
Nitrite as NO2	17.4	5.0	mg/L	18.2	ND	95.6	80-120	0.528	20	
Nitrite as N	5.29	1.0	mg/L	5.56	ND	95.3	80-120	0.526	20	



Alpha Analytical Laboratories Inc.

e-mail: [clientservices@alpha-labs.com](mailto: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:  
04/20/16 10:35

#### Notes and Definitions

T-14      Residual chlorine, dissolved oxygen, and pH must be analyzed in the field to meet the EPA specified 15 minute hold time.

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

**Bay Area Laboratory**  
6398 Dougherty Road, #35, Dublin, CA 94568  
925-828-6226 F) 925-828-6309

**alpha**  
Alpha Analytical Laboratories Inc.  
[www.alpha-labs.com](http://www.alpha-labs.com)  
**WATERS, SEDIMENTS, SOLIDS**

Lab No. 16D0361 Page      of     

[illegible]