



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

17 August 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

RE: WQ Monitoring

Work Order: 16H0027

Enclosed are the results of analyses for samples received by the laboratory on 08/01/16 08:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Robbie C. Phillips

Project Manager



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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/17/16 09:19

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| G13104 / 072816A | 16H0027-01 | Water | 07/29/16 08:30 | 08/01/16 08:00 |
| G13220 / 072816B | 16H0027-02 | Water | 07/29/16 09:00 | 08/01/16 08:00 |
| G13223 / 072816C | 16H0027-03 | Water | 07/29/16 08:10 | 08/01/16 08:00 |



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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/17/16 09:19

| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|---------------|--------------------|----------|---------|-------------------------|----------------|---------------|------|
| G13104 / 072816A (16H0027-01) | | | | | | | | |
| | | Sample Type: Water | | | Sampled: 07/29/16 08:30 | | | |
| Metals (Drinking Water) by EPA 200 Series Methods | | | | | | | | |
| Potassium | 18 mg/L | 1.0 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:41 | EPA 200.7 | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 0.54 mg/L | 0.050 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:41 | EPA 200.7 | |
| Boron | 0.12 mg/L | 0.050 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:41 | EPA 200.7 | |
| Calcium | 18 mg/L | 1.0 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:41 | EPA 200.7 | |
| Iron | 1.6 mg/L | 0.10 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:41 | EPA 200.7 | |
| Magnesium | 5.0 mg/L | 1.0 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:41 | EPA 200.7 | |
| Manganese | 0.088 mg/L | 0.020 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:41 | EPA 200.7 | |
| Sodium | 61 mg/L | 1.0 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:41 | EPA 200.7 | |
| Zinc | 0.26 mg/L | 0.020 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:41 | EPA 200.7 | |
| Conventional Chemistry Parameters by APHA/EPA Methods | | | | | | | | |
| Ammonia as NH3 | 79 mg/L | 0.50 | 1 | AH63582 | 08/12/16 08:07 | 08/12/16 17:00 | SM4500NH3C | |
| Bicarbonate | 370 mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Biochemical Oxygen Demand | 500 mg/L | 5.0 | 1 | AH63258 | 07/29/16 17:40 | 08/03/16 12:30 | SM5210B | |
| pH | 7.24 pH Units | 1.68 | 1 | AH63244 | 08/01/16 15:00 | 08/01/16 15:00 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 1000 umhos/cm | 20 | 1 | AH63216 | 08/01/16 16:00 | 08/01/16 17:00 | SM2510B | |
| Total Dissolved Solids | 440 mg/L | 10 | 1 | AH63278 | 08/04/16 11:30 | 08/05/16 16:44 | SM2540C | |
| Total Suspended Solids | 470 mg/L | 1.0 | 1 | AH63277 | 08/04/16 08:24 | 08/05/16 12:04 | SM2540D | |
| Volatile Suspended Solids | 430 mg/L | 1.0 | 1 | AH63169 | 08/01/16 15:18 | 08/05/16 17:16 | EPA 160.4 | |
| Silica | 18 mg/L | 5.0 | 5 | AH63234 | 08/03/16 10:00 | 08/03/16 12:45 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 300 mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Total Alkalinity as CaCO3 | 300 mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Total Kjeldahl Nitrogen | 76 mg/L | 1.0 | 1 | AH63467 | 08/11/16 06:29 | 08/12/16 09:05 | SM4500-Norg B | |
| Total Nitrogen | 76 mg/L | 1.0 | 1 | AH63266 | 08/03/16 15:40 | 08/15/16 13:12 | SM4500-N | |
| Hardness, Total | 65 mg/L | 5 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:41 | SM2340B | |
| Phosphorus, total | 14 mg/L | 2.0 | 5 | AH63630 | 08/15/16 08:00 | 08/15/16 12:53 | SM4500-P E | |

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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/17/16 09:19

| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|------------|-----------------|----------|-------------------------|----------------|----------------|-----------|------|
| G13104 / 072816A (16H0027-01) | | | | | | | | |
| Sample Type: Water | | | | Sampled: 07/29/16 08:30 | | | | |
| Miscellaneous Physical/Conventional Chemistry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNA | 3.87 NA | | 1 | AH63358 | 08/05/16 14:52 | 08/15/16 13:03 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 70 mg/L | 10 | 20 | AH63170 | 08/01/16 15:20 | 08/01/16 15:20 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AH63170 | 08/01/16 13:27 | 08/01/16 13:27 | EPA 300.0 | T-5 |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AH63170 | 08/01/16 13:27 | 08/01/16 13:27 | EPA 300.0 | T-5 |
| Nitrite as N | ND mg/L | 0.20 | 1 | AH63170 | 08/01/16 13:27 | 08/01/16 13:27 | EPA 300.0 | T-5 |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AH63170 | 08/01/16 13:27 | 08/01/16 13:27 | EPA 300.0 | T-5 |
| Sulfate as SO4 | 31 mg/L | 0.50 | 1 | AH63170 | 08/01/16 13:27 | 08/01/16 13:27 | EPA 300.0 | |
| G13220 / 072816B (16H0027-02) | | | | | | | | |
| Sample Type: Water | | | | Sampled: 07/29/16 09:00 | | | | |
| Metals (Drinking Water) by EPA 200 Series Methods | | | | | | | | |
| Potassium | 18 mg/L | 1.0 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 1.3 mg/L | 0.050 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | |
| Boron | 0.23 mg/L | 0.050 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | |
| Calcium | 23 mg/L | 1.0 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | |
| Iron | 3.2 mg/L | 0.10 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | |
| Magnesium | 10 mg/L | 1.0 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | |
| Manganese | 0.065 mg/L | 0.020 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | |
| Sodium | 76 mg/L | 1.0 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | |
| Zinc | 0.26 mg/L | 0.020 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | |



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Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/17/16 09:19

| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------|-----------------|-------------------------|---------|----------------|----------------|---------------|------|
| G13220 / 072816B (16H0027-02) | | | | | | | | |
| Sample Type: Water | | | Sampled: 07/29/16 09:00 | | | | | |
| Conventional Chemistry Parameters by APHA/EPA Methods | | | | | | | | |
| Ammonia as NH3 | 60 mg/L | 0.50 | 1 | AH63582 | 08/12/16 08:07 | 08/12/16 17:00 | SM4500NH3C | |
| Bicarbonate | 290 mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Biochemical Oxygen Demand | 300 mg/L | 5.0 | 1 | AH63258 | 07/29/16 17:40 | 08/03/16 12:30 | SM5210B | |
| pH | 7.18 pH Units | 1.68 | 1 | AH63244 | 08/01/16 15:00 | 08/01/16 15:00 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 950 umhos/cm | 20 | 1 | AH63216 | 08/01/16 16:00 | 08/01/16 17:00 | SM2510B | |
| Total Dissolved Solids | 460 mg/L | 10 | 1 | AH63278 | 08/04/16 11:30 | 08/05/16 16:44 | SM2540C | |
| Total Suspended Solids | 340 mg/L | 1.0 | 1 | AH63277 | 08/04/16 08:24 | 08/05/16 12:04 | SM2540D | |
| Volatile Suspended Solids | 310 mg/L | 1.0 | 1 | AH63169 | 08/01/16 15:18 | 08/05/16 17:16 | EPA 160.4 | |
| Silica | 17 mg/L | 5.0 | 5 | AH63234 | 08/03/16 10:00 | 08/03/16 12:45 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 240 mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Total Alkalinity as CaCO3 | 240 mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Total Kjeldahl Nitrogen | 55 mg/L | 1.0 | 1 | AH63467 | 08/11/16 06:29 | 08/12/16 09:05 | SM4500-Norg B | |
| Total Nitrogen | 55 mg/L | 1.0 | 1 | AH63266 | 08/03/16 15:40 | 08/15/16 13:12 | SM4500-N | |
| Hardness, Total | 101 mg/L | 5 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | SM2340B | |
| Phosphorus, total | 7.6 mg/L | 2.0 | 5 | AH63630 | 08/15/16 08:00 | 08/15/16 12:53 | SM4500-P E | |
| Miscellaneous Physical/Conventional Chemistry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 3.64 NA | | 1 | AH63358 | 08/05/16 14:52 | 08/15/16 13:03 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 73 mg/L | 10 | 20 | AH63170 | 08/01/16 15:36 | 08/01/16 15:36 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AH63170 | 08/01/16 13:44 | 08/01/16 13:44 | EPA 300.0 | T-5 |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AH63170 | 08/01/16 13:44 | 08/01/16 13:44 | EPA 300.0 | T-5 |
| Nitrite as N | ND mg/L | 0.20 | 1 | AH63170 | 08/01/16 13:44 | 08/01/16 13:44 | EPA 300.0 | T-5 |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AH63170 | 08/01/16 13:44 | 08/01/16 13:44 | EPA 300.0 | T-5 |
| Sulfate as SO4 | 66 mg/L | 10 | 20 | AH63170 | 08/01/16 15:36 | 08/01/16 15:36 | EPA 300.0 | |
| G13223 / 072816C (16H0027-03) | | | | | | | | |
| Sample Type: Water | | | Sampled: 07/29/16 08:10 | | | | | |
| Metals (Drinking Water) by EPA 200 Series Methods | | | | | | | | |
| Potassium | 14 mg/L | 1.0 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:50 | EPA 200.7 | |

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Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/17/16 09:19

| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------|-----------------|----------|---------|----------------|----------------|---------------|------|
| G13223 / 072816C (16H0027-03) | | | | | | | | |
| Sample Type: Water | | | | | | | | |
| Sampled: 07/29/16 08:10 | | | | | | | | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 0.56 mg/L | 0.050 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:50 | EPA 200.7 | |
| Boron | 0.18 mg/L | 0.050 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:50 | EPA 200.7 | |
| Calcium | 20 mg/L | 1.0 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:50 | EPA 200.7 | |
| Iron | 1.4 mg/L | 0.10 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:50 | EPA 200.7 | |
| Magnesium | 9.7 mg/L | 1.0 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:50 | EPA 200.7 | |
| Manganese | 0.052 mg/L | 0.020 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:50 | EPA 200.7 | |
| Sodium | 54 mg/L | 1.0 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:50 | EPA 200.7 | |
| Zinc | 0.16 mg/L | 0.020 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:50 | EPA 200.7 | |
| Conventional Chemistry Parameters by APHA/EPA Methods | | | | | | | | |
| Ammonia as NH3 | 65 mg/L | 0.50 | 1 | AH63582 | 08/12/16 08:07 | 08/12/16 17:00 | SM4500NH3C | |
| Bicarbonate | 290 mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Biochemical Oxygen Demand | 200 mg/L | 5.0 | 1 | AH63258 | 07/29/16 17:40 | 08/03/16 12:30 | SM5210B | |
| pH | 7.19 pH Units | 1.68 | 1 | AH63244 | 08/01/16 15:00 | 08/01/16 15:00 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 910 umhos/cm | 20 | 1 | AH63216 | 08/01/16 16:00 | 08/01/16 17:00 | SM2510B | |
| Total Dissolved Solids | 390 mg/L | 10 | 1 | AH63278 | 08/04/16 11:30 | 08/05/16 16:44 | SM2540C | |
| Total Suspended Solids | 220 mg/L | 1.0 | 1 | AH63277 | 08/04/16 08:24 | 08/05/16 12:04 | SM2540D | |
| Volatile Suspended Solids | 210 mg/L | 1.0 | 1 | AH63169 | 08/01/16 15:18 | 08/05/16 17:16 | EPA 160.4 | |
| Silica | 15 mg/L | 5.0 | 5 | AH63234 | 08/03/16 10:00 | 08/03/16 12:45 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 240 mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Total Alkalinity as CaCO3 | 240 mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Total Kjeldahl Nitrogen | 64 mg/L | 1.0 | 1 | AH63467 | 08/12/16 06:29 | 08/15/16 09:49 | SM4500-Norg B | |
| Total Nitrogen | 64 mg/L | 1.0 | 1 | AH63266 | 08/03/16 15:40 | 08/15/16 13:12 | SM4500-N | |
| Hardness, Total | 90 mg/L | 5 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:50 | SM2340B | |
| Phosphorus, total | 8.2 mg/L | 2.0 | 5 | AH63630 | 08/15/16 08:00 | 08/15/16 12:53 | SM4500-P E | |

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500 Laurel Street
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Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/17/16 09:19

| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------|--------------------|----------|---------|-------------------------|----------------|-----------|------|
| G13223 / 072816C (16H0027-03) | | Sample Type: Water | | | Sampled: 07/29/16 08:10 | | | |
| Miscellaneous Physical/Conventional Chemistry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.75 NA | | 1 | AH63358 | 08/05/16 14:52 | 08/15/16 13:03 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 59 mg/L | 10 | 20 | AH63170 | 08/01/16 15:52 | 08/01/16 15:52 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AH63170 | 08/01/16 14:00 | 08/01/16 14:00 | EPA 300.0 | T-5 |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AH63170 | 08/01/16 14:00 | 08/01/16 14:00 | EPA 300.0 | T-5 |
| Nitrite as N | ND mg/L | 0.20 | 1 | AH63170 | 08/01/16 14:00 | 08/01/16 14:00 | EPA 300.0 | T-5 |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AH63170 | 08/01/16 14:00 | 08/01/16 14:00 | EPA 300.0 | T-5 |
| Sulfate as SO4 | 68 mg/L | 10 | 20 | AH63170 | 08/01/16 15:52 | 08/01/16 15:52 | EPA 300.0 | |



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Project Number: [none]

Reported:
08/17/16 09:19

Metals (Drinking Water) by EPA 200 Series Methods - Quality Control

| Analyte(s) | Result | Reporting Limit | Units | Spike Level | Source Result | %REC Limits | RPD | RPD Limit | Flag |
|--|--------|--------------------|-------|---------------------------------------|------------------|---------------------------------------|--------|--------------|-------|
| Batch AH63358 - Metals Digest | | | | | | | | | |
| Blank (AH63358-BLK1) | | | | Prepared: 08/05/16 Analyzed: 08/10/16 | | | | | |
| Potassium | ND | 1.0 | mg/L | | | | | | |
| LCS (AH63358-BS1) | | | | Prepared: 08/05/16 Analyzed: 08/10/16 | | | | | |
| Potassium | 6.91 | 1.0 | mg/L | 8.00 | | 86.4 | 85-115 | | |
| Duplicate (AH63358-DUP1) | | | | Source: 16H0497-01 | | Prepared: 08/05/16 Analyzed: 08/10/16 | | | |
| Potassium | 10.2 | 1.0 | mg/L | | 10.1 | | 0.366 | 20 | |
| Matrix Spike (AH63358-MS1) | | | | Source: 16H0497-01 | | Prepared: 08/05/16 Analyzed: 08/10/16 | | | |
| Potassium | 15.2 | 1.0 | mg/L | 8.00 | 10.1 | 63.5 | 70-130 | | QM-01 |
| Matrix Spike (AH63358-MS2) | | | | Source: 16H0602-01 | | Prepared: 08/05/16 Analyzed: 08/10/16 | | | |
| Potassium | 7.90 | 1.0 | mg/L | 8.00 | ND | 88.1 | 70-130 | | |
| Matrix Spike Dup (AH63358-MSD1) | | | | Source: 16H0497-01 | | Prepared: 08/05/16 Analyzed: 08/10/16 | | | |
| Potassium | 16.1 | 1.0 | mg/L | 8.00 | 10.1 | 74.4 | 70-130 | 5.56 | 20 |



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e-mail: clientservices@alpha-labs.com

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

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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/17/16 09:19

Metals by EPA 200 Series Methods - Quality Control

| Analyte(s) | Result | Reporting Limit | Units | Spike Level | Source Result | %REC Limits | RPD | RPD Limit | Flag |
|--------------------------------------|--------|--------------------|-------|---------------------------------------|------------------|---------------------------------------|--------|--------------|------|
| Batch AH63358 - Metals Digest | | | | | | | | | |
| Blank (AH63358-BLK1) | | | | | | | | | |
| | | | | Prepared: 08/05/16 Analyzed: 08/10/16 | | | | | |
| Aluminum | ND | 0.050 | mg/L | | | | | | |
| Boron | ND | 0.050 | mg/L | | | | | | |
| Calcium | ND | 1.0 | mg/L | | | | | | |
| Iron | ND | 0.10 | mg/L | | | | | | |
| Magnesium | ND | 1.0 | mg/L | | | | | | |
| Manganese | ND | 0.020 | mg/L | | | | | | |
| Sodium | ND | 1.0 | mg/L | | | | | | |
| Zinc | ND | 0.020 | mg/L | | | | | | |
| LCS (AH63358-BS1) | | | | | | | | | |
| | | | | Prepared: 08/05/16 Analyzed: 08/10/16 | | | | | |
| Aluminum | 1.82 | 0.050 | mg/L | 2.00 | | 91.1 | 85-115 | | |
| Boron | 0.400 | 0.050 | mg/L | 0.400 | | 99.9 | 85-115 | | |
| Calcium | 7.19 | 1.0 | mg/L | 8.00 | | 89.8 | 85-115 | | |
| Iron | 1.88 | 0.10 | mg/L | 2.00 | | 94.0 | 85-115 | | |
| Magnesium | 7.39 | 1.0 | mg/L | 8.00 | | 92.4 | 85-115 | | |
| Manganese | 0.188 | 0.020 | mg/L | 0.200 | | 94.0 | 85-115 | | |
| Sodium | 7.59 | 1.0 | mg/L | 8.00 | | 94.9 | 85-115 | | |
| Zinc | 0.184 | 0.020 | mg/L | 0.200 | | 92.2 | 85-115 | | |
| Duplicate (AH63358-DUP1) | | | | | | | | | |
| | | | | Source: 16H0497-01 | | Prepared: 08/05/16 Analyzed: 08/10/16 | | | |
| Aluminum | 0.0616 | 0.050 | mg/L | | 0.0558 | | 9.97 | 20 | |
| Boron | 0.499 | 0.050 | mg/L | | 0.495 | | 0.886 | 20 | |
| Calcium | 335 | 1.0 | mg/L | | 331 | | 1.14 | 20 | |
| Iron | 0.522 | 0.10 | mg/L | | 0.522 | | 0.0534 | 20 | |
| Magnesium | 159 | 1.0 | mg/L | | 157 | | 1.18 | 20 | |
| Manganese | 0.736 | 0.020 | mg/L | | 0.730 | | 0.899 | 20 | |
| Sodium | 329 | 1.0 | mg/L | | 324 | | 1.34 | 20 | |
| Zinc | ND | 0.020 | mg/L | | ND | | | 20 | |

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500 Laurel Street
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Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/17/16 09:19

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 AH63358 - Metals Digest | | | | | | | | | | |
| Matrix Spike (AH63358-MS1) | Source: 16H0497-01 | | | Prepared: 08/05/16 Analyzed: 08/10/16 | | | | | | |
| Aluminum | 1.96 | 0.050 | mg/L | 2.00 | 0.0558 | 95.0 | 70-130 | | | |
| Boron | 0.848 | 0.050 | mg/L | 0.400 | 0.495 | 88.4 | 70-130 | | | |
| Calcium | 323 | 1.0 | mg/L | 8.00 | 331 | NR | 70-130 | | | QM-4X |
| Iron | 2.27 | 0.10 | mg/L | 2.00 | 0.522 | 87.4 | 70-130 | | | |
| Magnesium | 156 | 1.0 | mg/L | 8.00 | 157 | NR | 70-130 | | | QM-4X |
| Manganese | 0.901 | 0.020 | mg/L | 0.200 | 0.730 | 85.4 | 70-130 | | | |
| Sodium | 306 | 1.0 | mg/L | 8.00 | 324 | NR | 70-130 | | | QM-4X |
| Zinc | 0.188 | 0.020 | mg/L | 0.200 | ND | 93.9 | 70-130 | | | |
| Matrix Spike (AH63358-MS2) | Source: 16H0602-01 | | | Prepared: 08/05/16 Analyzed: 08/10/16 | | | | | | |
| Aluminum | 1.85 | 0.050 | mg/L | 2.00 | ND | 92.7 | 70-130 | | | |
| Boron | 0.398 | 0.050 | mg/L | 0.400 | ND | 94.0 | 70-130 | | | |
| Calcium | 10.4 | 1.0 | mg/L | 8.00 | 3.16 | 90.3 | 70-130 | | | |
| Iron | 1.91 | 0.10 | mg/L | 2.00 | ND | 94.4 | 70-130 | | | |
| Magnesium | 8.49 | 1.0 | mg/L | 8.00 | 1.05 | 93.0 | 70-130 | | | |
| Manganese | 0.202 | 0.020 | mg/L | 0.200 | ND | 93.9 | 70-130 | | | |
| Sodium | 23.6 | 1.0 | mg/L | 8.00 | 16.3 | 92.0 | 70-130 | | | |
| Zinc | 0.188 | 0.020 | mg/L | 0.200 | ND | 94.1 | 70-130 | | | |
| Matrix Spike Dup (AH63358-MSD1) | Source: 16H0497-01 | | | Prepared: 08/05/16 Analyzed: 08/10/16 | | | | | | |
| Aluminum | 1.96 | 0.050 | mg/L | 2.00 | 0.0558 | 95.0 | 70-130 | 0.0209 | 20 | |
| Boron | 0.866 | 0.050 | mg/L | 0.400 | 0.495 | 92.8 | 70-130 | 2.07 | 20 | |
| Calcium | 334 | 1.0 | mg/L | 8.00 | 331 | 33.4 | 70-130 | 3.17 | 20 | QM-4X |
| Iron | 2.29 | 0.10 | mg/L | 2.00 | 0.522 | 88.4 | 70-130 | 0.936 | 20 | |
| Magnesium | 164 | 1.0 | mg/L | 8.00 | 157 | 82.6 | 70-130 | 5.10 | 20 | |
| Manganese | 0.902 | 0.020 | mg/L | 0.200 | 0.730 | 85.9 | 70-130 | 0.121 | 20 | |
| Sodium | 327 | 1.0 | mg/L | 8.00 | 324 | 37.1 | 70-130 | 6.74 | 20 | QM-4X |
| Zinc | 0.189 | 0.020 | mg/L | 0.200 | ND | 94.7 | 70-130 | 0.870 | 20 | |

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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/17/16 09:19

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 AH63151 - General Preparation

Duplicate (AH63151-DUP1)

Source: 16G2537-07

Prepared & Analyzed: 08/04/16

| | | | | | | | | | | |
|---|------|-----|------|--|------|--|--|------|----|--|
| Bicarbonate | 26.8 | 5.0 | mg/L | | 26.8 | | | 0.00 | 20 | |
| Total Alkalinity as CaCO ₃ | 22.0 | 5.0 | mg/L | | 22.0 | | | 0.00 | 20 | |
| Hydroxide Alkalinity as CaCO ₃ | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Carbonate Alkalinity as CaCO ₃ | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Bicarbonate Alkalinity as CaCO ₃ | 22.0 | 5.0 | mg/L | | 22.0 | | | 0.00 | 20 | |

Batch AH63169 - General Preparation

Blank (AH63169-BLK1)

Prepared: 08/01/16 Analyzed: 08/05/16

| | | | | | | | | | | |
|---------------------------|----|-----|------|--|--|--|--|--|--|--|
| Volatile Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
|---------------------------|----|-----|------|--|--|--|--|--|--|--|

Duplicate (AH63169-DUP1)

Source: 16H0027-01

Prepared: 08/01/16 Analyzed: 08/05/16

| | | | | | | | | | | |
|---------------------------|-----|-----|------|--|-----|--|--|------|----|--|
| Volatile Suspended Solids | 444 | 1.0 | mg/L | | 429 | | | 3.51 | 30 | |
|---------------------------|-----|-----|------|--|-----|--|--|------|----|--|

Duplicate (AH63169-DUP2)

Source: 16H0027-02

Prepared: 08/01/16 Analyzed: 08/05/16

| | | | | | | | | | | |
|---------------------------|-----|-----|------|--|-----|--|--|------|----|--|
| Volatile Suspended Solids | 282 | 1.0 | mg/L | | 309 | | | 9.17 | 30 | |
|---------------------------|-----|-----|------|--|-----|--|--|------|----|--|

Batch AH63216 - General Preparation

Duplicate (AH63216-DUP1)

Source: 16H0086-01

Prepared & Analyzed: 08/01/16

| | | | | | | | | | | |
|---------------------------|-----|----|----------|--|-----|--|--|------|---|--|
| Specific Conductance (EC) | 346 | 20 | umhos/cm | | 352 | | | 1.72 | 5 | |
|---------------------------|-----|----|----------|--|-----|--|--|------|---|--|

Batch AH63234 - General Preparation

Blank (AH63234-BLK1)

Prepared & Analyzed: 08/03/16

| | | | | | | | | | | |
|--------|----|-----|------|--|--|--|--|--|--|--|
| Silica | ND | 1.0 | mg/L | | | | | | | |
|--------|----|-----|------|--|--|--|--|--|--|--|



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Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/17/16 09:19

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 AH63234 - General Preparation | | | | | | | | | | |
| LCS (AH63234-BS1) | | | | Prepared & Analyzed: 08/03/16 | | | | | | |
| Silica | 9.74 | 1.0 | mg/L | 10.0 | | 97.4 | 85-115 | | | |
| LCS Dup (AH63234-BS1) | | | | Prepared & Analyzed: 08/03/16 | | | | | | |
| Silica | 9.74 | 1.0 | mg/L | 10.0 | | 97.4 | 85-115 | 0.00 | 20 | |
| Duplicate (AH63234-DUP1) | | | | Source: 16G2526-02 | | Prepared & Analyzed: 08/03/16 | | | | |
| Silica | 15.3 | 5.0 | mg/L | | 15.3 | | | 0.00 | 20 | |
| Matrix Spike (AH63234-MS1) | | | | Source: 16G2526-02 | | Prepared & Analyzed: 08/03/16 | | | | |
| Silica | 38.7 | 5.0 | mg/L | 25.0 | 15.3 | 93.5 | 80-120 | | | |
| Matrix Spike Dup (AH63234-MS1) | | | | Source: 16G2526-02 | | Prepared & Analyzed: 08/03/16 | | | | |
| Silica | 39.3 | 5.0 | mg/L | 25.0 | 15.3 | 95.9 | 80-120 | 1.54 | 20 | |
| Batch AH63244 - General Preparation | | | | | | | | | | |
| Duplicate (AH63244-DUP1) | | | | Source: 16H0027-01 | | Prepared & Analyzed: 08/01/16 | | | | |
| pH | 7.21 | 1.68 | pH Units | | 7.24 | | | 0.415 | 20 | |
| Batch AH63258 - General Preparation | | | | | | | | | | |
| Blank (AH63258-BLK1) | | | | Prepared: 07/29/16 Analyzed: 08/03/16 | | | | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| Blank (AH63258-BLK2) | | | | Prepared: 07/29/16 Analyzed: 08/03/16 | | | | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |



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Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/17/16 09:19

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 AH63258 - General Preparation | | | | | | | | | | |
| LCS (AH63258-BS1) | | | | Prepared: 07/27/16 Analyzed: 08/01/16 | | | | | | |
| Biochemical Oxygen Demand | 218 | 5.0 | mg/L | 200 | | 109 | 84-115 | | | |
| Duplicate (AH63258-DUP1) | | | | Source: 16G2544-02 Prepared: 07/29/16 Analyzed: 08/03/16 | | | | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | ND | | | | 30 | |
| Batch AH63277 - General Preparation | | | | | | | | | | |
| Blank (AH63277-BLK1) | | | | Prepared: 08/04/16 Analyzed: 08/05/16 | | | | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AH63277-DUP1) | | | | Source: 16H0027-01 Prepared: 08/04/16 Analyzed: 08/05/16 | | | | | | |
| Total Suspended Solids | 490 | 1.0 | mg/L | | 466 | | | 5.13 | 30 | |
| Duplicate (AH63277-DUP2) | | | | Source: 16H0027-02 Prepared: 08/04/16 Analyzed: 08/05/16 | | | | | | |
| Total Suspended Solids | 316 | 1.0 | mg/L | | 342 | | | 8.00 | 30 | |
| Batch AH63278 - General Preparation | | | | | | | | | | |
| Blank (AH63278-BLK1) | | | | Prepared: 08/04/16 Analyzed: 08/05/16 | | | | | | |
| Total Dissolved Solids | ND | 10 | mg/L | | | | | | | |
| Duplicate (AH63278-DUP1) | | | | Source: 16G2527-01 Prepared: 08/04/16 Analyzed: 08/05/16 | | | | | | |
| Total Dissolved Solids | 403 | 10 | mg/L | | 403 | | | 0.00 | 15 | |
| Duplicate (AH63278-DUP2) | | | | Source: 16H0127-03 Prepared: 08/04/16 Analyzed: 08/08/16 | | | | | | |
| Total Dissolved Solids | 506 | 10 | mg/L | | 500 | | | 1.19 | 15 | |

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Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/17/16 09:19

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 AH63358 - Metals Digest | | | | | | | | | | |
| Blank (AH63358-BLK1) | | | | Prepared: 08/05/16 Analyzed: 08/10/16 | | | | | | |
| Hardness, Total | ND | 5 | mg/L | | | | | | | |
| Duplicate (AH63358-DUP1) | | | | Source: 16H0497-01 Prepared: 08/05/16 Analyzed: 08/10/16 | | | | | | |
| Hardness, Total | 1490 | 5 | mg/L | | 1470 | | | 1.16 | 20 | |
| Batch AH63467 - General Prep | | | | | | | | | | |
| LCS (AH63467-BS1) | | | | Prepared: 08/10/16 Analyzed: 08/11/16 | | | | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | | | |
| LCS Dup (AH63467-BSD1) | | | | Prepared: 08/10/16 Analyzed: 08/11/16 | | | | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | 0.00 | 20 | |
| Matrix Spike (AH63467-MS1) | | | | Source: 16H0234-02 Prepared & Analyzed: 08/11/16 | | | | | | |
| Total Kjeldahl Nitrogen | 3.04 | 1.0 | mg/L | 2.98 | ND | 102 | 75-125 | | | |
| Matrix Spike Dup (AH63467-MSD1) | | | | Source: 16H0234-02 Prepared & Analyzed: 08/11/16 | | | | | | |
| Total Kjeldahl Nitrogen | 3.04 | 1.0 | mg/L | 2.98 | ND | 102 | 75-125 | 0.00 | 20 | |
| Batch AH63582 - General Preparation | | | | | | | | | | |
| Blank (AH63582-BLK1) | | | | Prepared & Analyzed: 08/15/16 | | | | | | |
| Ammonia as NH3 | ND | 0.50 | mg/L | | | | | | | |
| LCS (AH63582-BS1) | | | | Prepared & Analyzed: 08/15/16 | | | | | | |
| Ammonia as NH3 | 6.07 | 0.50 | mg/L | 6.10 | | 99.5 | 90-110 | | | |



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Reported:
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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 AH63582 - General Preparation | | | | | | | | | | |
| LCS Dup (AH63582-BSD1) | | | | Prepared & Analyzed: 08/15/16 | | | | | | |
| Ammonia as NH3 | 5.75 | 0.50 | mg/L | 6.10 | | 94.2 | 90-110 | 5.40 | 10 | |
| Matrix Spike (AH63582-MS1) | | | | Source: 16H0556-02 | | Prepared & Analyzed: 08/15/16 | | | | |
| Ammonia as NH3 | 5.85 | 0.50 | mg/L | 6.10 | ND | 96.0 | 85-115 | | | |
| Matrix Spike Dup (AH63582-MSD1) | | | | Source: 16H0556-02 | | Prepared & Analyzed: 08/15/16 | | | | |
| Ammonia as NH3 | 5.75 | 0.50 | mg/L | 6.10 | ND | 94.2 | 85-115 | 1.83 | 20 | |
| Batch AH63630 - General Prep | | | | | | | | | | |
| Blank (AH63630-BLK1) | | | | Prepared & Analyzed: 08/15/16 | | | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | | | | | | |
| LCS (AH63630-BS1) | | | | Prepared & Analyzed: 08/15/16 | | | | | | |
| Phosphorus, total | 0.200 | 0.040 | mg/L | 0.200 | | 99.9 | 85-115 | | | |
| Duplicate (AH63630-DUP1) | | | | Source: 16H0234-01 | | Prepared & Analyzed: 08/15/16 | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | ND | | | 0.00 | 20 | |
| Matrix Spike (AH63630-MS1) | | | | Source: 16H0234-01 | | Prepared & Analyzed: 08/15/16 | | | | |
| Phosphorus, total | 0.210 | 0.040 | mg/L | 0.200 | ND | 88.5 | 70-130 | | | |
| Matrix Spike Dup (AH63630-MSD1) | | | | Source: 16H0234-01 | | Prepared & Analyzed: 08/15/16 | | | | |
| Phosphorus, total | 0.212 | 0.040 | mg/L | 0.200 | ND | 89.2 | 70-130 | 0.616 | 20 | |



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Project Number: [none]

Reported:
08/17/16 09:19

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 AH63170 - General Preparation | | | | | | | | | | |
| Blank (AH63170-BLK1) | | | | Prepared & Analyzed: 08/01/16 | | | | | | |
| Sulfate as SO ₄ | ND | 0.50 | mg/L | | | | | | | |
| Chloride | ND | 0.50 | mg/L | | | | | | | |
| Nitrite as NO ₂ | ND | 1.0 | mg/L | | | | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrate as NO ₃ | ND | 1.0 | mg/L | | | | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | | | | | | |
| LCS (AH63170-BS1) | | | | Prepared & Analyzed: 08/01/16 | | | | | | |
| Sulfate as SO ₄ | 21.9 | 0.50 | mg/L | 22.2 | | 98.3 | 90-110 | | | |
| Nitrate as N | 5.54 | 0.20 | mg/L | 5.56 | | 99.7 | 90-110 | | | |
| Chloride | 11.2 | 0.50 | mg/L | 11.1 | | 101 | 90-110 | | | |
| Nitrite as NO ₂ | 18.0 | 1.0 | mg/L | 18.2 | | 98.7 | 90-110 | | | |
| Nitrite as N | 5.47 | 0.20 | mg/L | 5.56 | | 98.4 | 90-110 | | | |
| Nitrate as NO ₃ | 25 | 1.0 | mg/L | 24.7 | | 99.5 | 90-110 | | | |
| Duplicate (AH63170-DUP1) | | | | Source: 16G2558-02 Prepared & Analyzed: 08/01/16 | | | | | | |
| Nitrite as NO ₂ | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Chloride | ND | 0.50 | mg/L | | ND | | | 0.727 | 20 | |
| Nitrite as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Nitrate as N | ND | 0.20 | mg/L | | ND | | | 0.289 | 20 | |
| Sulfate as SO ₄ | 0.531 | 0.50 | mg/L | | 0.542 | | | 2.05 | 20 | |
| Nitrate as NO ₃ | ND | 1.0 | mg/L | | ND | | | 0.289 | 20 | |
| Matrix Spike (AH63170-MS1) | | | | Source: 16G2558-02 Prepared & Analyzed: 08/01/16 | | | | | | |
| Nitrite as NO ₂ | 18.9 | 1.0 | mg/L | 18.2 | ND | 104 | 80-120 | | | |
| Nitrite as N | 5.74 | 0.20 | mg/L | 5.56 | ND | 103 | 80-120 | | | |
| Nitrate as N | 5.89 | 0.20 | mg/L | 5.56 | ND | 105 | 80-120 | | | |
| Nitrate as NO ₃ | 26 | 1.0 | mg/L | 24.7 | ND | 104 | 80-120 | | | |
| Chloride | 11.8 | 0.50 | mg/L | 11.1 | ND | 105 | 80-120 | | | |
| Sulfate as SO ₄ | 23.6 | 0.50 | mg/L | 22.2 | 0.542 | 104 | 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: [none]

Reported:
08/17/16 09:19

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 AH63170 - General Preparation | | | | | | | | | | |
| Matrix Spike (AH63170-MS2) | | Source: 16H0088-01 | | | Prepared & Analyzed: 08/01/16 | | | | | |
| Chloride | 15.7 | 2.5 | mg/L | 11.1 | 4.95 | 96.6 | 80-120 | | | |
| Nitrite as N | 5.33 | 1.0 | mg/L | 5.56 | ND | 95.9 | 80-120 | | | |
| Nitrate as N | 5.33 | 1.0 | mg/L | 5.56 | ND | 94.0 | 80-120 | | | |
| Sulfate as SO4 | 29.8 | 2.5 | mg/L | 22.2 | 9.95 | 89.5 | 80-120 | | | |
| Nitrate as NO3 | 24 | 5.0 | mg/L | 24.7 | ND | 93.8 | 80-120 | | | |
| Nitrite as NO2 | 17.5 | 5.0 | mg/L | 18.2 | ND | 96.2 | 80-120 | | | |
| Matrix Spike Dup (AH63170-MSD1) | | Source: 16G2558-02 | | | Prepared & Analyzed: 08/01/16 | | | | | |
| Chloride | 12.1 | 0.50 | mg/L | 11.1 | ND | 108 | 80-120 | 2.56 | 20 | |
| Nitrite as N | 5.89 | 0.20 | mg/L | 5.56 | ND | 106 | 80-120 | 2.58 | 20 | |
| Nitrate as N | 6.05 | 0.20 | mg/L | 5.56 | ND | 107 | 80-120 | 2.58 | 20 | |
| Sulfate as SO4 | 24.2 | 0.50 | mg/L | 22.2 | 0.542 | 107 | 80-120 | 2.52 | 20 | |
| Nitrite as NO2 | 19.4 | 1.0 | mg/L | 18.2 | ND | 106 | 80-120 | 2.58 | 20 | |
| Nitrate as NO3 | 27 | 1.0 | mg/L | 24.7 | ND | 107 | 80-120 | 2.58 | 20 | |



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West Bay Sanitary District
500 Laurel Street
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Project: WQ Monitoring
Project Number: [none]

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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-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-5 Sample prepared 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

