DISCLAIMER: All data and information contained herein are provided for informational purposes only without warranty of any kind (express or implied), including, but not limited to, any warranties of accuracy or completeness. All such data and information is preliminary, and thus, is subject to change, update and/or refinement. The District makes no representation or warranty that the information provided herein is correct, sufficient, complete or accurate. Any and all parties participating in the procurement process shall evaluate and validate any design criteria, requirements and/or other data and information provided by the District. Without exception, Respondents shall be responsible for the interpretation of all data and information provided. The District specifically disclaims responsibility or liability for any of a Respondent's interpretations and/or assumptions in developing a Proposal.

The posting of this data and information does not commit the District to issue an RFP or award a contract, nor does it commit the District to pay any cost incurred in the preparation and/or submission of a Proposal or in making necessary studies or designs for the preparation thereof. The District assumes no obligations, responsibilities, and/or liabilities, fiscal or otherwise, to reimburse all or any part of the costs incurred or alleged to have been incurred by parties participating in the procurement process or considering a response to and/or responding to an RFP. All such costs shall be borne solely by each Respondent and its team members.

The District reserves and retains all rights and conditions set forth in the RFQ (including, but not limited to, those set forth in Section 7.4 of the RFQ). By viewing the data and information contained herein, any party participating in the procurement process acknowledges and consents to the following District rights and conditions, including without limitation, with or without cause and with or without notice, the right to: (a) modify the procurement schedule; (b) suspend or terminate the procurement process for any reason whatsoever; (c) cancel, withdraw, postpone or extend any RFP, in whole or in part, at any time, without incurring any obligations or liabilities; (d) correct, amend, withdraw, supplement and/or otherwise modify data and information and any RFP issued; (e) decide not to award a DB Contract as a result of the procurement process, for any reason; (f) at any time prior to execution of the DB Contract, amend the contract services, omit services therein, or include services not currently contemplated therein; and (g) take any and all action affecting the RFP process, or the Project that is determined to be in the District's best interest.



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ELAP Certificates 1551, 2728, and 2922

02 August 2016

West Bay Sanitary District Attn: John Simonetti 500 Laurel Street Menlo Park, CA 94025 RE: WQ Monitoring Work Order: 16G1518

Enclosed are the results of analyses for samples received by the laboratory on 07/18/16 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Popli

Jeanette L. Poplin For Robbie C. Phillips Project Manager



e-mail: clientservices @alpha-labs.com

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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:09 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| G13104 / 071516A | 16G1518-01 | Water | 07/16/16 08:30 | 07/18/16 21:00 |
| G13220 / 071516B | 16G1518-02 | Water | 07/16/16 09:00 | 07/18/16 21:00 |
| G13223 / 071516C | 16G1518-03 | Water | 07/16/16 09:30 | 07/18/16 21:00 |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Pro | Project Manager: John Simonetti Project: WQ Monitoring Project Number: [none] | | | | | | | | | |
|---|---------------|---|----------|---------|----------------|-------------------|---------------|------|--|--|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | | |
| G13104 / 071516A (16G1518-01) | | Sample Type | : Water | | Sample | d: 07/16/16 08:30 | | | | | |
| Metals (Drinking Water) by EPA 200 Series M | lethods | | | | | | | | | | |
| Potassium | 16 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:05 | EPA 200.7 | | | | |
| Metals by EPA 200 Series Methods | | | | | | | | | | | |
| Aluminum | 0.66 mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:05 | EPA 200.7 | | | | |
| Boron | 0.17 mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:05 | EPA 200.7 | | | | |
| Calcium | 18 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:05 | EPA 200.7 | | | | |
| Iron | 1.6 mg/L | 0.10 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:05 | EPA 200.7 | | | | |
| Magnesium | 5.1 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:05 | EPA 200.7 | | | | |
| Manganese | 0.067 mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:05 | EPA 200.7 | | | | |
| Sodium | 46 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:05 | EPA 200.7 | | | | |
| Zinc | 0.23 mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:05 | EPA 200.7 | | | | |
| Conventional Chemistry Parameters by APH | A/EPA Methods | | | | | | | | | | |
| Ammonia as NH3 | 48 mg/L | 0.50 | 1 | AG64041 | 07/29/16 08:13 | 07/29/16 17:00 | SM4500NH3C | | | | |
| Bicarbonate | 270 mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | | | | |
| Biochemical Oxygen Demand | 220 mg/L | 5.0 | 1 | AG63867 | 07/20/16 07:00 | 07/25/16 12:00 | SM5210B | T-1 | | | |
| рН | 7.44 pH Uni | its 1.68 | 1 | AG63678 | 07/18/16 19:00 | 07/18/16 19:00 | SM4500-H+ B | T-1 | | | |
| Specific Conductance (EC) | 790 umhos/ | /cm 20 | 1 | AG63734 | 07/19/16 16:00 | 07/19/16 17:00 | SM2510B | | | | |
| Total Dissolved Solids | 380 mg/L | 10 | 1 | AG63763 | 07/21/16 12:24 | 07/26/16 16:38 | SM2540C | | | | |
| Total Suspended Solids | 260 mg/L | 1.0 | 1 | AG63705 | 07/20/16 09:55 | 07/25/16 09:37 | SM2540D | | | | |
| Volatile Suspended Solids | 240 mg/L | 1.0 | 1 | AG63711 | 07/22/16 10:00 | 07/25/16 16:30 | EPA 160.4 | | | | |
| Silica | 14 mg/L | 5.0 | 5 | AG63694 | 07/20/16 08:30 | 07/20/16 10:30 | SM4500-SiO2 C | | | | |
| Bicarbonate Alkalinity as CaCO3 | 220 mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | | | | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | | | | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | | | | |
| Total Alkalinity as CaCO3 | 220 mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | | | | |
| Total Kjeldahl Nitrogen | 53 mg/L | 1.0 | 1 | AG63695 | 07/25/16 08:04 | 07/26/16 09:38 | SM4500-Norg B | | | | |
| Total Nitrogen | 53 mg/L | 1.0 | 1 | AG63717 | 07/20/16 12:32 | 07/26/16 13:59 | SM4500-N | | | | |
| Hardness, Total | 65 mg/L | 5 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:05 | SM2340B | | | | |
| Phosphorus, total | 7.6 mg/L | 2.0 | 5 | AG63991 | 07/28/16 09:15 | 07/28/16 13:06 | SM4500-P E | | | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj Pro | ا 08/02 | Reported: 08/02/16 16:09 | | | | | |
|---|---------------|-----------------|-----------------------------|---------|----------------|-------------------|-----------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13104 / 071516A (16G1518-01) | | | | | | | | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.73 NA | | 1 | AG63917 | 07/26/16 12:30 | 08/02/16 05:56 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 55 mg/L | 5.0 | 10 | AG63645 | 07/19/16 17:46 | 07/19/16 17:46 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63645 | 07/19/16 18:02 | 07/19/16 18:02 | EPA 300.0 | T- |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63645 | 07/19/16 18:02 | 07/19/16 18:02 | EPA 300.0 | T- |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63645 | 07/19/16 18:02 | 07/19/16 18:02 | EPA 300.0 | T- |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63645 | 07/19/16 18:02 | 07/19/16 18:02 | EPA 300.0 | T- |
| Sulfate as SO4 | 32 mg/L | 0.50 | 1 | AG63645 | 07/19/16 18:02 | 07/19/16 18:02 | EPA 300.0 | |
| G13220 / 071516B (16G1518-02) | | Sample Type | : Water | | Sample | d: 07/16/16 09:00 | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | |
| Potassium | 15 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:10 | EPA 200.7 | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 0.95 mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:10 | EPA 200.7 | |
| Boron | 0.27 mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:10 | EPA 200.7 | |
| Calcium | 39 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:10 | EPA 200.7 | |
| Iron | 2.3 mg/L | 0.10 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:10 | EPA 200.7 | |
| Magnesium | 16 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:10 | EPA 200.7 | |
| Manganese | 0.059 mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:10 | EPA 200.7 | |
| Sodium | 82 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:10 | EPA 200.7 | |
| Zinc | 0.24 mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:10 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Bay Sanitary District Project Manager: John Simonetti .aurel Street Project: WQ Monitoring o Park, CA 94025 Project Number: [none] | | | | | | | | |
|---|--|-----------------|----------|---------|----------------|-------------------|---------------|------|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | |
| G13220 / 071516B (16G1518-02) | | Sample Type: | : Water | | Sample | d: 07/16/16 09:00 | | | |
| Conventional Chemistry Parameters by APHA | /EPA Methods | | | | - | | | | |
| Ammonia as NH3 | 49 mg | /L 0.50 | 1 | AG64041 | 07/29/16 08:13 | 07/29/16 17:00 | SM4500NH3C | | |
| Bicarbonate | 310 mg | /L 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | | |
| Biochemical Oxygen Demand | 290 mg | /L 5.0 | 1 | AG63867 | 07/20/16 07:00 | 07/25/16 12:00 | SM5210B | T-16 | |
| рН | 7.48 pH | Units 1.68 | 1 | AG63678 | 07/18/16 19:00 | 07/18/16 19:00 | SM4500-H+ B | T-14 | |
| Specific Conductance (EC) | 1000 um | hos/cm 20 | 1 | AG63734 | 07/19/16 16:00 | 07/19/16 17:00 | SM2510B | | |
| Total Dissolved Solids | 520 mg | /L 10 | 1 | AG63763 | 07/21/16 12:24 | 07/26/16 16:38 | SM2540C | | |
| Total Suspended Solids | 820 mg | /L 1.0 | 1 | AG63705 | 07/20/16 09:55 | 07/25/16 09:37 | SM2540D | | |
| Volatile Suspended Solids | 750 mg | /L 1.0 | 1 | AG63711 | 07/22/16 10:00 | 07/25/16 16:30 | EPA 160.4 | | |
| Silica | 20 mg | /L 5.0 | 5 | AG63694 | 07/20/16 08:30 | 07/20/16 10:30 | SM4500-SiO2 C | | |
| Bicarbonate Alkalinity as CaCO3 | 260 mg | /L 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | | |
| Carbonate Alkalinity as CaCO3 | ND mg | /L 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | | |
| Hydroxide Alkalinity as CaCO3 | ND mg | /L 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | | |
| Total Alkalinity as CaCO3 | 260 mg | /L 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | | |
| Total Kjeldahl Nitrogen | 41 mg | /L 1.0 | 1 | AG63695 | 07/26/16 08:04 | 07/26/16 13:02 | SM4500-Norg B | | |
| Total Nitrogen | 41 mg | /L 1.0 | 1 | AG63717 | 07/20/16 12:32 | 07/26/16 13:59 | SM4500-N | | |
| Hardness, Total | 164 mg | /L 5 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:10 | SM2340B | | |
| Phosphorus, total | 6.4 mg | /L 2.0 | 5 | AG63991 | 07/28/16 09:15 | 07/28/16 13:06 | SM4500-P E | | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 3.25 NA | | 1 | AG63917 | 07/26/16 12:30 | 08/02/16 05:56 | SAR | | |
| Anions by EPA Method 300.0 | | | | | | | | | |
| Chloride | 80 mg | /L 12 | 25 | AG63645 | 07/19/16 18:18 | 07/19/16 18:18 | EPA 300.0 | | |
| Nitrate as N | ND mg | /L 0.20 | 1 | AG63645 | 07/19/16 18:34 | 07/19/16 18:34 | EPA 300.0 | T-5 | |
| Nitrate as NO3 | ND mg/ | /L 1.0 | 1 | AG63645 | 07/19/16 18:34 | 07/19/16 18:34 | EPA 300.0 | T-5 | |
| Nitrite as N | ND mg/ | /L 0.20 | 1 | AG63645 | 07/19/16 18:34 | 07/19/16 18:34 | EPA 300.0 | T-5 | |
| Nitrite as NO2 | ND mg/ | /L 1.0 | 1 | AG63645 | 07/19/16 18:34 | 07/19/16 18:34 | EPA 300.0 | T-5 | |
| Sulfate as SO4 | 100 mg | /L 12 | 25 | AG63645 | 07/19/16 18:18 | 07/19/16 18:18 | EPA 300.0 | | |
| G13223 / 071516C (16G1518-03) | | Sample Type: | : Water | | Sample | d: 07/16/16 09:30 | | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | |
| Potassium | 17 mg | /L 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:14 | EPA 200.7 | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Pr | oject Manager: Jo Project: W0 roject Number: [no | hn Simor Q Monitor ne] | netti ring | | | Re 08/02/1 | eported: 6 16:09 |
|---|---------------|--|------------------------------|---------------|----------------|-------------------|---------------|---------------------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 071516C (16G1518-03) | | Sample Type | : Water | | Sample | d: 07/16/16 09:30 | | |
| Metals by EPA 200 Series Methods | | | | | _ | | | |
| Aluminum | 0.94 mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:14 | EPA 200.7 | |
| Boron | 0.25 mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:14 | EPA 200.7 | |
| Calcium | 25 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:14 | EPA 200.7 | |
| Iron | 2.0 mg/L | 0.10 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:14 | EPA 200.7 | |
| Magnesium | 7.8 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:14 | EPA 200.7 | |
| Manganese | 0.059 mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:14 | EPA 200.7 | |
| Sodium | 66 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:14 | EPA 200.7 | |
| Zinc | 0.23 mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:14 | EPA 200.7 | |
| Conventional Chemistry Parameters by APH | A/EPA Methods | | | | | | | |
| Ammonia as NH3 | 52 mg/L | 0.50 | 1 | AG64041 | 07/29/16 08:13 | 07/29/16 17:00 | SM4500NH3C | |
| Bicarbonate | 290 mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Biochemical Oxygen Demand | 280 mg/L | 5.0 | 1 | AG63867 | 07/20/16 07:00 | 07/25/16 12:00 | SM5210B | T-1 |
| pH | 7.41 nH Ur | nits 1.68 | 1 | AG63678 | 07/18/16 19:00 | 07/18/16 19:00 | SM4500-H+ B | T-1 |
| Specific Conductance (EC) | 890 umbos | s/cm 20 | 1 | AG63734 | 07/19/16 16:00 | 07/19/16 17:00 | SM2510B | |
| Total Dissolved Solids | 520 mg/L | "em | 1 | AG63763 | 07/21/16 12:24 | 07/26/16 16:38 | SM2540C | |
| Total Suspended Solids | 190 mg/L | 1.0 | 1 | AG63677 | 07/19/16 11:16 | 07/20/16 15:23 | SM2540D | |
| Volatile Suspended Solids | 190 mg/L | 1.0 | 1 | AG63711 | 07/22/16 10:00 | 07/25/16 16:30 | EPA 160.4 | |
| Silica | 20 mg/L | 5.0 | 5 | AG63694 | 07/20/16 08:30 | 07/20/16 10:30 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 240 mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Total Alkalinity as CaCO3 | 240 mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Total Kjeldahl Nitrogen | 46 mg/L | 1.0 | 1 | AG63695 | 07/26/16 08:04 | 07/26/16 13:02 | SM4500-Norg B | |
| Total Nitrogen | 46 mg/L | 1.0 | 1 | AG63717 | 07/20/16 12:32 | 07/26/16 13:59 | SM4500-N | |
| Hardness, Total | 94 mg/L | 5 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:14 | SM2340B | |
| Phosphorus, total | 6.4 mg/L | 2.0 | 5 | AG63991 | 07/28/16 09:15 | 07/28/16 13:06 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Pro | F 08/02/ | Reported: /16 16:09 | | | | | | |
|---|--------------|-----------------|------------------------|---------|----------------|-------------------------|-----------|------|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | |
| G13223 / 071516C (16G1518-03) | | Sample Type: | : Water | | Sample | Sampled: 07/16/16 09:30 | | | |
| Miscellaneous Physical/Conventional Chemistr | y Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 3.35 NA | | 1 | AG63917 | 07/26/16 12:30 | 08/02/16 05:56 | SAR | | |
| Anions by EPA Method 300.0 | | | | | | | | | |
| Chloride | 71 mg/L | 10 | 20 | AG63645 | 07/19/16 18:50 | 07/19/16 18:50 | EPA 300.0 | | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63645 | 07/19/16 19:06 | 07/19/16 19:06 | EPA 300.0 | T-5 | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63645 | 07/19/16 19:06 | 07/19/16 19:06 | EPA 300.0 | T-5 | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63645 | 07/19/16 19:06 | 07/19/16 19:06 | EPA 300.0 | T-5 | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63645 | 07/19/16 19:06 | 07/19/16 19:06 | EPA 300.0 | T-5 | |
| Sulfate as SO4 | 50 mg/L | 10 | 20 | AG63645 | 07/19/16 18:50 | 07/19/16 18:50 | EPA 300.0 | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:09 |

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

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|--------------|-------|---------------------------------------|-------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63917 - Metals Digest | | | | | | | | | | |
| Blank (AG63917-BLK1) | | | | Prepared: (| 07/26/16 A | nalyzed: 07 | /29/16 | | | |
| Potassium | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG63917-BS1) | | | | Prepared: 07/26/16 Analyzed: 07/29/16 | | | | | | |
| Potassium | 7.08 | 1.0 | mg/L | 8.00 | | 88.6 | 85-115 | | | |
| Duplicate (AG63917-DUP1) | Sou | rce: 16G1530 | 0-08 | Prepared: 07/26/16 Analyzed: 07/29/16 | | | | | | |
| Potassium | 19.9 | 1.0 | mg/L | | 19.0 | | | 4.51 | 20 | |
| Matrix Spike (AG63917-MS1) | Sou | rce: 16G1530 | 0-08 | Prepared: 07/26/16 Analyzed: 07/29/16 | | | | | | |
| Potassium | 27.7 | 1.0 | mg/L | 8.00 | 19.0 | 108 | 70-130 | | | |
| Matrix Spike (AG63917-MS2) | Sou | rce: 16G1930 | 0-01 | Prepared: (| 07/26/16 Au | nalyzed: 07 | /29/16 | | | |
| Potassium | 9.07 | 1.0 | mg/L | 8.00 | 2.61 | 80.8 | 70-130 | | | |
| Matrix Spike Dup (AG63917-MSD1) | Sou | rce: 16G1530 | 0-08 | Prepared: (| 07/26/16 A | nalyzed: 07 | /29/16 | | | |
| Potassium | 27.3 | 1.0 | mg/L | 8.00 | 19.0 | 103 | 70-130 | 1.41 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:09 |

Metals by EPA 200 Series Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------|--------|----------------|-------|---------------------------------------|-------------|------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63917 - Metals Digest | | | | | | | | | | |
| Blank (AG63917-BLK1) | | | | Prepared: 0 | 07/26/16 Ar | alyzed: 07 | /29/16 | | | |
| 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 (AG63917-BS1) | | | | Prepared: 0 |)7/26/16 Ar | alyzed: 07 | /29/16 | | | |
| Aluminum | 1.81 | 0.050 | mg/L | 2.00 | | 90.3 | 85-115 | | | |
| Boron | 0.342 | 0.050 | mg/L | 0.400 | | 85.5 | 85-115 | | | |
| Calcium | 7.24 | 1.0 | mg/L | 8.00 | | 90.5 | 85-115 | | | |
| Iron | 1.89 | 0.10 | mg/L | 2.00 | | 94.4 | 85-115 | | | |
| Magnesium | 7.11 | 1.0 | mg/L | 8.00 | | 88.9 | 85-115 | | | |
| Manganese | 0.185 | 0.020 | mg/L | 0.200 | | 92.4 | 85-115 | | | |
| Sodium | 7.63 | 1.0 | mg/L | 8.00 | | 95.4 | 85-115 | | | |
| Zinc | 0.181 | 0.020 | mg/L | 0.200 | | 90.5 | 85-115 | | | |
| Duplicate (AG63917-DUP1) | So | ource: 16G1530 | 0-08 | Prepared: 07/26/16 Analyzed: 07/29/16 | | | /29/16 | | | |
| Aluminum | 0.102 | 0.050 | mg/L | | 0.0954 | | | 6.75 | 20 | |
| Boron | 0.445 | 0.050 | mg/L | | 0.418 | | | 6.38 | 20 | |
| Calcium | 107 | 1.0 | mg/L | | 104 | | | 2.68 | 20 | |
| Iron | 0.113 | 0.10 | mg/L | | ND | | | 13.3 | 20 | |
| Magnesium | 45.6 | 1.0 | mg/L | | 43.5 | | | 4.72 | 20 | |
| Manganese | ND | 0.020 | mg/L | | ND | | | 9.57 | 20 | |
| Sodium | 171 | 1.0 | mg/L | | 166 | | | 3.09 | 20 | |
| Zinc | 0.0236 | 0.020 | mg/L | | 0.0219 | | | 7.21 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:09 |

Metals by EPA 200 Series Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|-------------|-------|-------------|-------------|-------------|--------|------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63917 - Metals Digest | | | | | | | | | | |
| Matrix Spike (AG63917-MS1) | Sou | rce: 16G153 | 0-08 | Prepared: (| 07/26/16 Ai | nalyzed: 07 | /29/16 | | | |
| Aluminum | 1.98 | 0.050 | mg/L | 2.00 | 0.0954 | 94.2 | 70-130 | | | |
| Boron | 0.803 | 0.050 | mg/L | 0.400 | 0.418 | 96.4 | 70-130 | | | |
| Calcium | 114 | 1.0 | mg/L | 8.00 | 104 | 131 | 70-130 | | | QM-4X |
| Iron | 2.02 | 0.10 | mg/L | 2.00 | ND | 95.9 | 70-130 | | | |
| Magnesium | 53.5 | 1.0 | mg/L | 8.00 | 43.5 | 125 | 70-130 | | | |
| Manganese | 0.197 | 0.020 | mg/L | 0.200 | ND | 95.0 | 70-130 | | | |
| Sodium | 177 | 1.0 | mg/L | 8.00 | 166 | 147 | 70-130 | | | QM-4X |
| Zinc | 0.212 | 0.020 | mg/L | 0.200 | 0.0219 | 95.3 | 70-130 | | | |
| | | | | | | | | | | |
| Matrix Spike (AG63917-MS2) | Sou | rce: 16G193 | 0-01 | Prepared: (|)7/26/16 Ai | nalyzed: 07 | /29/16 | | | |
| Aluminum | 1.71 | 0.050 | mg/L | 2.00 | ND | 85.3 | 70-130 | | | |
| Boron | 0.384 | 0.050 | mg/L | 0.400 | ND | 83.8 | 70-130 | | | |
| Calcium | 26.7 | 1.0 | mg/L | 8.00 | 20.9 | 72.6 | 70-130 | | | |
| Iron | 4.93 | 0.10 | mg/L | 2.00 | 3.45 | 74.2 | 70-130 | | | |
| Magnesium | 19.3 | 1.0 | mg/L | 8.00 | 12.8 | 81.2 | 70-130 | | | |
| Manganese | 0.595 | 0.020 | mg/L | 0.200 | 0.458 | 68.6 | 70-130 | | | QM-01 |
| Sodium | 24.9 | 1.0 | mg/L | 8.00 | 19.1 | 72.9 | 70-130 | | | |
| Zinc | 0.187 | 0.020 | mg/L | 0.200 | ND | 88.4 | 70-130 | | | |
| Matrix Spike Dup (AG63917-MSD1) | Sou | rce: 16G153 | 0-08 | Prepared: (|)7/26/16 Ai | nalyzed: 07 | /29/16 | | | |
| Aluminum | 1.94 | 0.050 | mg/L | 2.00 | 0.0954 | 92.3 | 70-130 | 1.92 | 20 | |
| Boron | 0.790 | 0.050 | mg/L | 0.400 | 0.418 | 93.1 | 70-130 | 1.66 | 20 | |
| Calcium | 111 | 1.0 | mg/L | 8.00 | 104 | 96.0 | 70-130 | 2.49 | 20 | |
| Iron | 1.98 | 0.10 | mg/L | 2.00 | ND | 94.2 | 70-130 | 1.69 | 20 | |
| Magnesium | 52.3 | 1.0 | mg/L | 8.00 | 43.5 | 110 | 70-130 | 2.27 | 20 | |
| Manganese | 0.193 | 0.020 | mg/L | 0.200 | ND | 93.1 | 70-130 | 1.87 | 20 | |
| Sodium | 173 | 1.0 | mg/L | 8.00 | 166 | 97.7 | 70-130 | 2.26 | 20 | |
| Zinc | 0.209 | 0.020 | mg/L | 0.200 | 0.0219 | 93.6 | 70-130 | 1.61 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:09 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|---------------------------------------|----------|-------------|------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63677 - General Preparation | | | | | | | | | | |
| Blank (AG63677-BLK1) | | Prepared: 07/19/16 Analyzed: 07/20/16 | | | | | | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | - | | | | |
| Duplicate (AG63677-DUP1) | Sou | ce: 16G102 | 7-01 | Prepared: (|)7/19/16 A | nalyzed: 07 | /20/16 | | | |
| Total Suspended Solids | 154 | 1.0 | mg/L | | 149 | | | 3.45 | 30 | |
| Batch AG63678 - General Preparation | | | | | | | | | | |
| Duplicate (AG63678-DUP1) | Source: 16G1518-01 | | | Prepared & | Analyzed: | 07/18/16 | | | | |
| pH | 7.40 | 1.68 | pH Units | | 7.44 | | | 0.539 | 20 | |
| Batch AG63679 - General Preparation | | | | | | | | | | |
| Duplicate (AG63679-DUP1) | Sou | ce: 16G132 | 2-01 | Prepared & | Analyzed: | 07/26/16 | | | | |
| Bicarbonate | 89.1 | 5.0 | mg/L | | 90.3 | | | 1.36 | 20 | |
| Carbonate Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Hydroxide Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Total Alkalinity as CaCO3 | 73.0 | 5.0 | mg/L | | 74.0 | | | 1.36 | 20 | |
| Bicarbonate Alkalinity as CaCO3 | 73.0 | 5.0 | mg/L | | 74.0 | | | 1.36 | 20 | |
| Batch AG63694 - General Preparation | | | | | | | | | | |
| Blank (AG63694-BLK1) | | | | Prepared & | Analyzed: | 07/20/16 | | | | |
| Silica | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG63694-BS1) | | | | Prepared & | Analyzed: | 07/20/16 | | | | |
| Silica | 9.41 | 1.0 | mg/L | 10.0 | | 94.1 | 85-115 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:09 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|------------|-------|---------------------------------------|------------|-------------|---------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63694 - General Preparation | | | | | | | | | | |
| LCS Dup (AG63694-BSD1) | | | | Prepared & | Analyzed | : 07/20/16 | | | | |
| Silica | 8.83 | 1.0 | mg/L | 10.0 | | 88.3 | 85-115 | 6.33 | 20 | |
| Duplicate (AG63694-DUP1) | Sou | ce: 16G153 | 6-02 | Prepared & | Analyzed | : 07/20/16 | | | | |
| Silica | 9.41 | 1.0 | mg/L | | 9.91 | | | 5.18 | 20 | |
| Matrix Spike (AG63694-MS1) | Source: 16G1536-02 | | | Prepared & | Analyzed | : 07/20/16 | | | | |
| Silica | 12.3 | 1.0 | mg/L | 5.00 | 9.91 | 48.5 | 80-120 | | | QM-05 |
| Matrix Spike Dup (AG63694-MSD1) | Source: 16G1536-02 | | | Prepared & Analyzed: 07/20/16 | | | | | | |
| Silica | 12.4 | 1.0 | mg/L | 5.00 | 9.91 | 50.8 | 80-120 | 0.932 | 20 | QM-05 |
| Batch AG63695 - General Prep | | | | | | | | | | |
| LCS (AG63695-BS1) | | | | Prepared: (| 07/20/16 A | nalyzed: 07 | 7/25/16 | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | | | |
| LCS Dup (AG63695-BSD1) | | | | Prepared: 07/20/16 Analyzed: 07/25/16 | | | | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | 0.00 | 20 | |
| Matrix Spike (AG63695-MS1) | Sou | ce: 16G123 | 7-01 | Prepared: (|)7/20/16 A | nalyzed: 07 | 7/25/16 | | | |
| Total Kjeldahl Nitrogen | 3.13 | 1.0 | mg/L | 2.98 | ND | 105 | 75-125 | | | |
| Matrix Spike Dup (AG63695-MSD1) | Sou | ce: 16G123 | 7-01 | Prepared: (|)7/20/16 A | nalyzed: 07 | 7/25/16 | | | |
| Total Kjeldahl Nitrogen | 3.13 | 1.0 | mg/L | 2.98 | ND | 105 | 75-125 | 0.00 | 20 | |
| Batch AG63705 - General Preparation | | | | | | | | | | |
| Blank (AG63705-BLK1) | | | | Prepared: (|)7/20/16 A | nalyzed: 07 | 7/25/16 | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:09 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|-----------------------|-------------|-------------|---------------------------------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63705 - General Preparation | | | | | | | | | | |
| Duplicate (AG63705-DUP1) | Sou | rce: 16G151 | 8-01 | Prepared: (| 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Total Suspended Solids | 255 | 1.0 | mg/L | | 259 | | | 1.44 | 30 | |
| Duplicate (AG63705-DUP2) | Source: 16G1521-03 Pr | | Prepared: (|)7/20/16 A | nalyzed: 07 | /25/16 | | | | |
| Total Suspended Solids | 217 | 1.0 | mg/L | | 250 | | | 14.2 | 30 | |
| Batch AG63711 - General Preparation | | | | | | | | | | |
| Blank (AG63711-BLK1) | | | | Prepared: (| 07/22/16 A | nalyzed: 07 | /25/16 | | | |
| Volatile Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63711-DUP1) | Sou | rce: 16G151 | 18-01 | Prepared: (|)7/22/16 A | nalyzed: 07 | /25/16 | | | |
| Volatile Suspended Solids | 230 | 1.0 | mg/L | | 236 | | | 2.70 | 30 | |
| Duplicate (AG63711-DUP2) | Sou | rce: 16G152 | 21-03 | Prepared: 07/22/16 Analyzed: 07/25/16 | | | /25/16 | | | |
| Volatile Suspended Solids | 193 | 1.0 | mg/L | | 222 | | | 14.0 | 30 | |
| Batch AG63734 - General Preparation | | | | | | | | | | |
| Duplicate (AG63734-DUP1) | Sou | rce: 16G159 | 99-01 | Prepared & | Analyzed: | 07/19/16 | | | | |
| Specific Conductance (EC) | 645 | 20 | umhos/cm | | 646 | | | 0.155 | 5 | |
| Batch AG63763 - General Preparation | | | | | | | | | | |
| Blank (AG63763-BLK1) | | | | Prepared: (| 07/21/16 A | nalyzed: 07 | /26/16 | | | |
| Total Dissolved Solids | ND | 10 | mg/L | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:09 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|----------------------|-------------|-------------|-------------|-------------|-------------|---------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63763 - General Preparation | | | | | | | | | | |
| Duplicate (AG63763-DUP1) | Source: 16G1545-01 P | | Prepared: (| 07/21/16 A | nalyzed: 07 | /26/16 | | | | |
| Total Dissolved Solids | 332 | 10 | mg/L | | 375 | | | 12.1 | 15 | |
| Batch AG63867 - General Preparation | | | | | | | | | | |
| Blank (AG63867-BLK1) | | | | Prepared: (| 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| Blank (AG63867-BLK2) | | | | Prepared: (| 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| LCS (AG63867-BS1) | | | | Prepared: (| 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Biochemical Oxygen Demand | 212 | 5.0 | mg/L | 200 | | 106 | 84-115 | | | |
| Duplicate (AG63867-DUP1) | Sou | rce: 16G152 | 4-03 | Prepared: (| 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Biochemical Oxygen Demand | 210 | 5.0 | mg/L | - | 221 | - | | 5.10 | 30 | |
| Batch AG63917 - Metals Digest | | | | | | | | | | |
| Blank (AG63917-BLK1) | | | | Prepared: (| 07/26/16 A | nalyzed: 07 | /29/16 | | | |
| Hardness, Total | ND | 5 | mg/L | - | | - | | | | |
| Duplicate (AG63917-DUP1) | Sou | rce: 16G153 | 0-08 | Prepared: (| 07/26/16 A | nalyzed: 07 | //29/16 | | | |
| Hardness, Total | 454 | 5 | mg/L | | 438 | | | 3.52 | 20 | |
| Batch AG63991 - General Prep | | | | | | | | | | |
| Blank (AG63991-BLK1) | | | | Prepared & | Analyzed: | 07/28/16 | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:09 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Snike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|-------------|------------|-------------------------------|------------|------------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63991 - General Prep | | | | | | | | | | |
| LCS (AG63991-BS1) | | | | Prepared & | Analyzed | : 07/28/16 | | | | |
| Phosphorus, total | 0.192 | 0.040 | mg/L | 0.200 | | 95.9 | 85-115 | | | |
| Duplicate (AG63991-DUP1) | Sou | rce: 16G151 | 8-01 | Prepared & | Analyzed | : 07/28/16 | | | | |
| Phosphorus, total | 7.50 | 2.0 | mg/L | | 7.57 | | | 0.889 | 20 | |
| Matrix Spike (AG63991-MS1) | Sou | rce: 16G151 | 8-01 | Prepared & Analyzed: 07/28/16 | | | | | | |
| Phosphorus, total | 8.78 | 2.0 | mg/L | 2.00 | 7.57 | 60.6 | 70-130 | | | QM-4X |
| Matrix Spike Dup (AG63991-MSD1) | Source: 16G1518-01 | | | Prepared & Analyzed: 07/28/16 | | | | | | |
| Phosphorus, total | 8.78 | 2.0 | mg/L | 2.00 | 7.57 | 60.6 | 70-130 | 0.00 | 20 | QM-4X |
| Batch AG64041 - General Preparation | | | | | | | | | | |
| Blank (AG64041-BLK1) | | | | Prepared & | Analyzed | : 07/29/16 | | | | |
| Ammonia as NH3 | ND | 0.50 | mg/L | | | | | | | |
| LCS (AG64041-BS1) | | | | Prepared & Analyzed: 07/29/16 | | | | | | |
| Ammonia as NH3 | 5.96 | 0.50 | mg/L | 6.10 | | 97.7 | 90-110 | | | |
| LCS Dup (AG64041-BSD1) | | | | Prepared & | Analyzed | : 07/29/16 | | | | |
| Ammonia as NH3 | 5.85 | 0.50 | mg/L | 6.10 | 2 | 96.0 | 90-110 | 1.81 | 10 | |
| Matrix Spike (AG64041-MS1) | Source: 16G1636-02 | | Prepared & | a Analyzed | : 07/29/16 | | | | | |
| Ammonia as NH3 | 12.3 | 0.50 | mg/L | 12.2 | ND | 101 | 85-115 | | | |
| Matrix Spike Dup (AG64041-MSD1) | Source: 16G1636-02 | | | Prepared & Analyzed: 07/29/16 | | | | | | |
| Ammonia as NH3 | 11.9 | 0.50 | mg/L | 12.2 | ND | 97.7 | 85-115 | 3.51 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:09 |

Anions by EPA Method 300.0 - Quality Control

| Analyte(s) | Result | Reporting | Units | Spike Level | Source Result | %REC | %REC | RPD | RPD Limit | Flag |
|--|--------|--------------|-------|----------------|------------------|----------|--------|-------|--------------|------|
| A mary to(5) | Result | Liint | Onto | Level | Result | /mee | Linits | KI D | Emint | 8 |
| Batch AG63645 - General Preparation | | | | | | | | | | |
| Blank (AG63645-BLK1) | | | | Prepared & | Analyzed: | 07/19/16 | | | | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | | | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | | | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | | | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | | | | | | |
| Chloride | ND | 0.50 | mg/L | | | | | | | |
| LCS (AG63645-BS1) | | | | Prepared & | Analyzed: | 07/19/16 | | | | |
| Nitrate as N | 5.86 | 0.20 | mg/L | 5.56 | | 106 | 90-110 | | | |
| Sulfate as SO4 | 22.9 | 0.50 | mg/L | 22.2 | | 103 | 90-110 | | | |
| Nitrite as NO2 | 18.3 | 1.0 | mg/L | 18.2 | | 101 | 90-110 | | | |
| Nitrate as NO3 | 26 | 1.0 | mg/L | 24.7 | | 105 | 90-110 | | | |
| Nitrite as N | 5.58 | 0.20 | mg/L | 5.56 | | 100 | 90-110 | | | |
| Chloride | 11.5 | 0.50 | mg/L | 11.1 | | 103 | 90-110 | | | |
| Duplicate (AG63645-DUP1) | So | urce: 16G153 | 9-01 | Prepared & | Analyzed: | 07/19/16 | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Nitrite as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Nitrate as N | 0.518 | 0.20 | mg/L | | 0.520 | | | 0.435 | 20 | |
| Nitrate as NO3 | 2.3 | 1.0 | mg/L | | 2.3 | | | 0.435 | 20 | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | ND | | | 5.82 | 20 | |
| Chloride | 1.77 | 0.50 | mg/L | | 1.81 | | | 2.46 | 20 | |
| Matrix Spike (AG63645-MS1) | So | urce: 16G153 | 9-01 | Prepared & | Analyzed: | 07/19/16 | | | | |
| Chloride | 13.4 | 0.50 | mg/L | 11.1 | 1.81 | 104 | 80-120 | | | |
| Sulfate as SO4 | 23.6 | 0.50 | mg/L | 22.2 | ND | 105 | 80-120 | | | |
| Nitrite as N | 5.62 | 0.20 | mg/L | 5.56 | ND | 101 | 80-120 | | | |
| Nitrate as NO3 | 29 | 1.0 | mg/L | 24.7 | 2.3 | 107 | 80-120 | | | |
| Nitrate as N | 6.47 | 0.20 | mg/L | 5.56 | 0.520 | 107 | 80-120 | | | |
| Nitrite as NO2 | 18.5 | 1.0 | mg/L | 18.2 | ND | 101 | 80-120 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:09 |

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 AG63645 - General Preparation | | | | | | | | | | |
| Matrix Spike Dup (AG63645-MSD1) | Sour | ce: 16G153 | 9-01 | Prepared & | Analyzed: | 07/19/16 | | | | |
| Chloride | 13.3 | 0.50 | mg/L | 11.1 | 1.81 | 104 | 80-120 | 0.433 | 20 | |
| Nitrate as N | 6.44 | 0.20 | mg/L | 5.56 | 0.520 | 107 | 80-120 | 0.493 | 20 | |
| Nitrate as NO3 | 29 | 1.0 | mg/L | 24.7 | 2.3 | 106 | 80-120 | 0.493 | 20 | |
| Sulfate as SO4 | 23.5 | 0.50 | mg/L | 22.2 | ND | 104 | 80-120 | 0.750 | 20 | |
| Nitrite as N | 5.57 | 0.20 | mg/L | 5.56 | ND | 100 | 80-120 | 0.834 | 20 | |
| Nitrite as NO2 | 18.3 | 1.0 | mg/L | 18.2 | ND | 101 | 80-120 | 0.834 | 20 | |



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e-mail: clientservices@alpha-labs.com

| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:09 |

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-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-16 Sample prepared outside of recommended hold time. Client notified.
- 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

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| Company/Name: | Project | ID: | , | | | | _ | | | Т | _ | Sig | gnature | beio | <i>N</i> auth | orize: | s worl | k unde | er ten | ms sta | ated or | n rever | rse side. | - 1 | - , ` |
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| Menio Park, CA 94025 Project Contact & Email (Hardcony or PDE to): | | | | | | | | | | - | | 1 | 5 | | 2 | | | | | | | | | | |
| John Simonetti | | # | | | | | | | | | | S | Ę 🛛 | | Z | | 5 | | | | | | | | |
| jsimonetti@westbaysanitary.org | | | | _ | | | | | | | | | | | 5 0 | ę | lati | | | | | | | | |
| Phone/Fax: | Site Co | ntact: | | | | | | | | | | | ž Ž | | Ž | n a | 립 | | | | | | | Approvel - | |
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ELAP Certificates 1551, 2728, and 2922

02 August 2016

West Bay Sanitary District Attn: John Simonetti 500 Laurel Street Menlo Park, CA 94025 RE: WQ Monitoring Work Order: 16G1521

Enclosed are the results of analyses for samples received by the laboratory on 07/18/16 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Popli

Jeanette L. Poplin For Robbie C. Phillips Project Manager



e-mail: clientservices @alpha-labs.com

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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:22 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| G13104 / 071616A | 16G1521-01 | Water | 07/17/16 08:30 | 07/18/16 21:00 |
| G13220 / 071616B | 16G1521-02 | Water | 07/17/16 09:00 | 07/18/16 21:00 |
| G13223 / 071616C | 16G1521-03 | Water | 07/17/16 09:30 | 07/18/16 21:00 |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Pro | oject Manager: Joł Project: WC roject Number: [no | nn Simor (Monitor ne] | netti ring | | | Reported: 08/02/16 16:22 | |
|---|------------|---|-----------------------------|---------------|----------------|-------------------|-----------------------------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13104 / 071616A (16G1521-01) | | Sample Type: | : Water | | Sample | d: 07/17/16 08:30 | | |
| Metals (Drinking Water) by EPA 200 Series Methods | | | | | | | | |
| Potassium | 17 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:19 | EPA 200.7 | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 1.2 mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:19 | EPA 200.7 | |
| Boron | 0.22 mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:19 | EPA 200.7 | |
| Calcium | 24 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:19 | EPA 200.7 | |
| Iron | 3.6 mg/L | 0.10 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:19 | EPA 200.7 | |
| Magnesium | 5.9 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:19 | EPA 200.7 | |
| Manganese | 0.11 mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:19 | EPA 200.7 | |
| Sodium | 48 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:19 | EPA 200.7 | |
| Zinc | 0.39 mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:19 | EPA 200.7 | |
| Conventional Chemistry Parameters by APHA/EPA | Methods | | | | | | | |
| Ammonia as NH3 | 60 mg/L | 0.50 | 1 | AG64041 | 07/29/16 08:13 | 07/29/16 17:00 | SM4500NH3C | |
| Bicarbonate | 300 mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Biochemical Oxygen Demand | 200 mg/L | 5.0 | 1 | AG63867 | 07/20/16 07:00 | 07/25/16 12:00 | SM5210B | T-1 |
| рН | 7.58 pH Un | its 1.68 | 1 | AG63678 | 07/18/16 19:00 | 07/18/16 19:00 | SM4500-H+ B | T-1 |
| Specific Conductance (EC) | 810 umhos | /cm 20 | 1 | AG63734 | 07/19/16 16:00 | 07/19/16 17:00 | SM2510B | |
| Total Dissolved Solids | 400 mg/L | 10 | 1 | AG63763 | 07/21/16 12:24 | 07/26/16 16:38 | SM2540C | |
| Total Suspended Solids | 310 mg/L | 1.0 | 1 | AG63705 | 07/20/16 09:55 | 07/25/16 09:37 | SM2540D | |
| Volatile Suspended Solids | 290 mg/L | 1.0 | 1 | AG63711 | 07/22/16 10:00 | 07/25/16 16:30 | EPA 160.4 | |
| Silica | 21 mg/L | 5.0 | 5 | AG63694 | 07/20/16 08:30 | 07/20/16 10:30 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 250 mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Total Alkalinity as CaCO3 | 250 mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Total Kjeldahl Nitrogen | 54 mg/L | 1.0 | 1 | AG63879 | 07/27/16 06:16 | 07/28/16 10:16 | SM4500-Norg B | |
| Total Nitrogen | 54 mg/L | 1.0 | 1 | AG63717 | 07/20/16 12:32 | 07/28/16 14:55 | SM4500-N | |
| Hardness, Total | 85 mg/L | 5 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:19 | SM2340B | |
| Phosphorus, total | 9.6 mg/L | 2.0 | 5 | AG63991 | 07/28/16 09:15 | 07/28/16 13:06 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj Pro | ect Manager: Jol Project: WC ject Number: [no | hn Simor Q Monitor ne] | netti ring | | | Method Nethod SAR EPA 300.0 EPA 300.0 EPA 300.0 | | | | | | | |
|---|---------------|---|------------------------------|---------------|----------------|-------------------|---|------|--|--|--|--|--|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | | | | | |
| G13104 / 071616A (16G1521-01) | | Sample Type | : Water | | Sample | d: 07/17/16 08:30 | | | | | | | | |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters | | | | - | | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.65 NA | | 1 | AG63917 | 07/26/16 12:30 | 08/02/16 05:51 | SAR | | | | | | | |
| Anions by EPA Method 300.0 | | | | | | | | | | | | | | |
| Chloride | 53 mg/L | 10 | 20 | AG63645 | 07/19/16 19:23 | 07/19/16 19:23 | EPA 300.0 | | | | | | | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63645 | 07/19/16 19:39 | 07/19/16 19:39 | EPA 300.0 | T- | | | | | | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63645 | 07/19/16 19:39 | 07/19/16 19:39 | EPA 300.0 | T- | | | | | | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63645 | 07/19/16 19:39 | 07/19/16 19:39 | EPA 300.0 | T- | | | | | | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63645 | 07/19/16 19:39 | 07/19/16 19:39 | EPA 300.0 | T- | | | | | | |
| Sulfate as SO4 | 31 mg/L | 0.50 | 1 | AG63645 | 07/19/16 19:39 | 07/19/16 19:39 | EPA 300.0 | | | | | | | |
| G13220 / 071616B (16G1521-02) | | Sample Type | : Water | | Sample | d: 07/17/16 09:00 | | | | | | | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | | | | | | |
| Potassium | 17 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:23 | EPA 200.7 | | | | | | | |
| Metals by EPA 200 Series Methods | | | | | | | | | | | | | | |
| Aluminum | 0.68 mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:23 | EPA 200.7 | | | | | | | |
| Boron | 1.0 mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:23 | EPA 200.7 | | | | | | | |
| Calcium | 34 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:23 | EPA 200.7 | | | | | | | |
| Iron | 2.0 mg/L | 0.10 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:23 | EPA 200.7 | | | | | | | |
| Magnesium | 19 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:23 | EPA 200.7 | | | | | | | |
| Manganese | 0.049 mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:23 | EPA 200.7 | | | | | | | |
| Sodium | 91 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:23 | EPA 200.7 | | | | | | | |
| Zinc | 0.22 mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:23 | EPA 200.7 | | | | | | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | | Projec Projec | Ri 08/02/1 | eported: 16 16:22 | | | | | |
|---|---------------|------------------|-----------------|----------------------|---------|----------------|-------------------|---------------|------|
| | Result | t | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13220 / 071616B (16G1521-02) | | | Sample Type: | : Water | | Sample | d: 07/17/16 09:00 | | |
| Conventional Chemistry Parameters by APHA | /EPA Methods | | | | | - | | | |
| Ammonia as NH3 | 71 | mg/L | 0.50 | 1 | AG64041 | 07/29/16 08:13 | 07/29/16 17:00 | SM4500NH3C | |
| Bicarbonate | 350 | mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Biochemical Oxygen Demand | 220 | mg/L | 5.0 | 1 | AG63867 | 07/20/16 07:00 | 07/25/16 12:00 | SM5210B | T-16 |
| рН | 7.60 | pH Units | 1.68 | 1 | AG63678 | 07/18/16 19:00 | 07/18/16 19:00 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 1100 | umhos/cm | 20 | 1 | AG63734 | 07/19/16 16:00 | 07/19/16 17:00 | SM2510B | |
| Total Dissolved Solids | 610 | mg/L | 10 | 1 | AG63763 | 07/21/16 12:24 | 07/26/16 16:38 | SM2540C | |
| Total Suspended Solids | 290 | mg/L | 1.0 | 1 | AG63705 | 07/20/16 09:55 | 07/25/16 09:37 | SM2540D | |
| Volatile Suspended Solids | 270 | mg/L | 1.0 | 1 | AG63711 | 07/22/16 10:00 | 07/25/16 16:30 | EPA 160.4 | |
| Silica | 22 | mg/L | 5.0 | 5 | AG63694 | 07/20/16 08:30 | 07/20/16 10:30 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 290 | mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND | mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND | mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Total Alkalinity as CaCO3 | 290 | mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Total Kjeldahl Nitrogen | 73 | mg/L | 1.0 | 1 | AG63879 | 07/27/16 06:16 | 07/28/16 10:16 | SM4500-Norg B | |
| Total Nitrogen | 73 | mg/L | 1.0 | 1 | AG63717 | 07/20/16 12:32 | 07/28/16 14:55 | SM4500-N | |
| Hardness, Total | 164 | mg/L | 5 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:23 | SM2340B | |
| Phosphorus, total | 7.5 | mg/L | 2.0 | 5 | AG63991 | 07/28/16 09:15 | 07/28/16 13:06 | SM4500-P E | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 3.53 | NA | | 1 | AG63917 | 07/26/16 12:30 | 08/02/16 05:51 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | | |
| Chloride | 84 | mg/L | 12 | 25 | AG63645 | 07/19/16 19:55 | 07/19/16 19:55 | EPA 300.0 | |
| Nitrate as N | ND | mg/L | 0.20 | 1 | AG63645 | 07/19/16 20:11 | 07/19/16 20:11 | EPA 300.0 | T-5 |
| Nitrate as NO3 | ND | mg/L | 1.0 | 1 | AG63645 | 07/19/16 20:11 | 07/19/16 20:11 | EPA 300.0 | T-5 |
| Nitrite as N | ND | mg/L | 0.20 | 1 | AG63645 | 07/19/16 20:11 | 07/19/16 20:11 | EPA 300.0 | T-5 |
| Nitrite as NO2 | ND | mg/L | 1.0 | 1 | AG63645 | 07/19/16 20:11 | 07/19/16 20:11 | EPA 300.0 | T-5 |
| Sulfate as SO4 | 110 | mg/L | 12 | 25 | AG63645 | 07/19/16 19:55 | 07/19/16 19:55 | EPA 300.0 | |
| G13223 / 071616C (16G1521-03) | | | Sample Type: | : Water | | Sample | d: 07/17/16 09:30 | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | |
| Potassium | 19 | mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:28 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | | Projec Proje | t Manager: Joh Project: WC ct Number: [no | nn Simor) Monitor ne] | netti ing | | | Re 08/02/1 | ported: 6 16:22 |
|---|-----------|-----------------|---|------------------------------|--------------|----------------|-------------------|---------------|--------------------|
| | Resul | lt | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 071616C (16G1521-03) | | | Sample Type: | Water | | Sample | d: 07/17/16 09:30 | | |
| Metals by EPA 200 Series Methods | | | | | | - | | | |
| Aluminum | 0.46 | mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:28 | EPA 200.7 | |
| Boron | 0.12 | mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:28 | EPA 200.7 | |
| Calcium | 20 | mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:28 | EPA 200.7 | |
| Iron | 1.6 | mg/L | 0.10 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:28 | EPA 200.7 | |
| Magnesium | 7.7 | mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:28 | EPA 200.7 | |
| Manganese | 0.065 | mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:28 | EPA 200.7 | |
| Sodium | 51 | mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:28 | EPA 200.7 | |
| Zinc | 0.16 | mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:28 | EPA 200.7 | |
| Conventional Chamistry Parameters by APHA/FPA | Mathada | | | | | | | | |
| Ammonia os NU3 | 72 | ma/I | 0.50 | 1 | AC64041 | 07/20/16 08:12 | 07/20/16 17:00 | SM4500NH2C | |
| Ricerbonate | 360 | mg/L | 5.0 | 1 | AG63670 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Bical Jonate Bicahomical Oxygon Domond | 100 | mg/L | 5.0 | 1 | AG03079 | 07/20/16 07:00 | 07/25/16 12:00 | SM2320B | т 1 |
| | 7 20 | | 3.0 | 1 | AG03807 | 07/18/16 10:00 | 07/18/16 10:00 | SM4500 H+ D | Т-1 Т 1 |
| pin Specific Conductores (EC) | 030 | umbos/am | 1.08 | 1 | AG03078 | 07/10/16 16:00 | 07/10/16 17:00 | SM2510P | 1-1- |
| Total Dissolved Solids | 400 | umnos/cm | 20 | 1 | AG03734 | 07/21/16 12:24 | 07/26/16 16:28 | SM2540C | |
| Total Suspended Solids | 250 | mg/L | 10 | 1 | AG03703 | 07/20/16 00:55 | 07/25/16 00:37 | SM2540C | |
| Volotilo Suspended Solids | 230 | mg/L | 1.0 | 1 | AG63711 | 07/22/16 10:00 | 07/25/16 16:20 | 5M2340D | |
| Silice | 14 | mg/L | 1.0 | 5 | AG63604 | 07/20/16 08:30 | 07/20/16 10:30 | SM4500 SiO2 C | |
| Bioarbonato Alkalinity as CaCO3 | 240 | mg/L | 5.0 | 1 | AG03094 | 07/26/16 08:00 | 07/26/16 14:20 | SM2220P | |
| Carbonate Alkalinity as CaCO3 | 240 ND | mg/L mg/I | 5.0 | 1 | AG63670 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND | mg/L | 5.0 | 1 | AG63679 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Total Alkalinity as CaCO3 | 240 | mg/I | 5.0 | 1 | AG63670 | 07/26/16 08:00 | 07/26/16 14:20 | SM2320B | |
| Total Kieldell Nitrogen | 240 | mg/L | 3.0 | 1 | AG63870 | 07/27/16 06:16 | 07/28/16 10:16 | SM4500 Norg B | |
| Total Nitrogen | 70 | mg/L | 1.0 | 1 | AG63717 | 07/20/16 12:22 | 07/28/16 14:55 | SM4500 N | |
| Hardness Total | /0 91 | mg/L mg/I | 1.0 | 1 | AG63017 | 07/26/16 12:32 | 07/29/16 15:28 | SM2340B | |
| Phosphorus total | 86 | mg/L | 3 | 5 | AG63991 | 07/28/16 09:15 | 07/28/16 13:06 | SM4500-P F | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj Pro | ect Manager: Joł Project: WC ject Number: [no | nn Simor Monitor ne] | netti ing | | | F 08/02/ | Reported: /16 16:22 |
|---|--------------|---|----------------------------|--------------|----------------|-------------------|-------------|------------------------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 071616C (16G1521-03) | | Sample Type: | Water | | Sample | d: 07/17/16 09:30 | | |
| Miscellaneous Physical/Conventional Chemistr | y Parameters | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.83 NA | | 1 | AG63917 | 07/26/16 12:30 | 08/02/16 05:51 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 42 mg/L | 10 | 20 | AG63645 | 07/19/16 20:59 | 07/19/16 20:59 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63645 | 07/19/16 21:15 | 07/19/16 21:15 | EPA 300.0 | T-5 |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63645 | 07/19/16 21:15 | 07/19/16 21:15 | EPA 300.0 | T-5 |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63645 | 07/19/16 21:15 | 07/19/16 21:15 | EPA 300.0 | T-5 |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63645 | 07/19/16 21:15 | 07/19/16 21:15 | EPA 300.0 | T-5 |
| Sulfate as SO4 | 35 mg/L | 10 | 20 | AG63645 | 07/19/16 20:59 | 07/19/16 20:59 | EPA 300.0 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:22 |

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

| Analyta(a) | Pogult | Reporting | Unita | Spike | Source | 0/DEC | %REC | רוסס | RPD Limit | Flag |
|---------------------------------|--------|--------------|-------|---------------------------------------|---------------------------------------|-------------|--------|------|--------------|-------|
| Allalyte(s) | Result | Limit | Units | Level | Result | 70REC | LIMITS | KFD | Liiiit | 1 lag |
| Batch AG63917 - Metals Digest | | | | | | | | | | |
| Blank (AG63917-BLK1) | | | | Prepared: (| 07/26/16 A | nalyzed: 07 | | | | |
| Potassium | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG63917-BS1) | Pr | | | Prepared: 07/26/16 Analyzed: 07/29/16 | | | | | | |
| Potassium | 7.08 | 1.0 | mg/L | 8.00 | | 88.6 | 85-115 | | | |
| Duplicate (AG63917-DUP1) | Sou | rce: 16G153(| 0-08 | Prepared: (|)7/26/16 A | nalyzed: 07 | /29/16 | | | |
| Potassium | 19.9 | 1.0 | mg/L | | 19.0 | | | 4.51 | 20 | |
| Matrix Spike (AG63917-MS1) | Sou | rce: 16G153(| 0-08 | Prepared: 07/26/16 Analyzed: 07/29/16 | | | | | | |
| Potassium | 27.7 | 1.0 | mg/L | 8.00 | 19.0 | 108 | 70-130 | | | |
| Matrix Spike (AG63917-MS2) | Sou | rce: 16G1930 | 0-01 | Prepared: (|)7/26/16 A | nalyzed: 07 | /29/16 | | | |
| Potassium | 9.07 | 1.0 | mg/L | 8.00 | 2.61 | 80.8 | 70-130 | | | |
| Matrix Spike Dup (AG63917-MSD1) | Sou | rce: 16G1530 | 0-08 | Prepared: (| Prepared: 07/26/16 Analyzed: 07/29/16 | | | | | |
| Potassium | 27.3 | 1.0 | mg/L | 8.00 | 19.0 | 103 | 70-130 | 1.41 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:22 |

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 AG63917 - Metals Digest | | | | | | | | | | |
| Blank (AG63917-BLK1) | | | | Prepared: 0 | 07/26/16 Ar | alvzed: 07 | /29/16 | | | |
| Aluminum | ND | 0.050 | mg/L | .1 | | | | | | |
| 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 | | | | | | | |
| Zine | ND | 0.020 | mg/L | | | | | | | |
| LCS (AG63917-BS1) | | | | Prepared: 0 | 07/26/16 Ar | alyzed: 07 | /29/16 | | | |
| Aluminum | 1.81 | 0.050 | mg/L | 2.00 | | 90.3 | 85-115 | | | |
| Boron | 0.342 | 0.050 | mg/L | 0.400 | | 85.5 | 85-115 | | | |
| Calcium | 7.24 | 1.0 | mg/L | 8.00 | | 90.5 | 85-115 | | | |
| Iron | 1.89 | 0.10 | mg/L | 2.00 | | 94.4 | 85-115 | | | |
| Magnesium | 7.11 | 1.0 | mg/L | 8.00 | | 88.9 | 85-115 | | | |
| Manganese | 0.185 | 0.020 | mg/L | 0.200 | | 92.4 | 85-115 | | | |
| Sodium | 7.63 | 1.0 | mg/L | 8.00 | | 95.4 | 85-115 | | | |
| Zinc | 0.181 | 0.020 | mg/L | 0.200 | | 90.5 | 85-115 | | | |
| Duplicate (AG63917-DUP1) | So | ource: 16G153(| 0-08 | Prepared: 0 | 7/26/16 Ar | alyzed: 07 | /29/16 | | | |
| Aluminum | 0.102 | 0.050 | mg/L | | 0.0954 | | | 6.75 | 20 | |
| Boron | 0.445 | 0.050 | mg/L | | 0.418 | | | 6.38 | 20 | |
| Calcium | 107 | 1.0 | mg/L | | 104 | | | 2.68 | 20 | |
| Iron | 0.113 | 0.10 | mg/L | | ND | | | 13.3 | 20 | |
| Magnesium | 45.6 | 1.0 | mg/L | | 43.5 | | | 4.72 | 20 | |
| Manganese | ND | 0.020 | mg/L | | ND | | | 9.57 | 20 | |
| Sodium | 171 | 1.0 | mg/L | | 166 | | | 3.09 | 20 | |
| Zinc | 0.0236 | 0.020 | mg/L | | 0.0219 | | | 7.21 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:22 |

Metals by EPA 200 Series Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|-------------|-------|-------------|------------|-------------|--------|------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63917 - Metals Digest | | | | | | | | | | |
| Matrix Spike (AG63917-MS1) | Sou | rce: 16G153 | 0-08 | Prepared: (| 07/26/16 A | nalyzed: 07 | /29/16 | | | |
| Aluminum | 1.98 | 0.050 | mg/L | 2.00 | 0.0954 | 94.2 | 70-130 | | | |
| Boron | 0.803 | 0.050 | mg/L | 0.400 | 0.418 | 96.4 | 70-130 | | | |
| Calcium | 114 | 1.0 | mg/L | 8.00 | 104 | 131 | 70-130 | | | QM-4X |
| Iron | 2.02 | 0.10 | mg/L | 2.00 | ND | 95.9 | 70-130 | | | |
| Magnesium | 53.5 | 1.0 | mg/L | 8.00 | 43.5 | 125 | 70-130 | | | |
| Manganese | 0.197 | 0.020 | mg/L | 0.200 | ND | 95.0 | 70-130 | | | |
| Sodium | 177 | 1.0 | mg/L | 8.00 | 166 | 147 | 70-130 | | | QM-4X |
| Zinc | 0.212 | 0.020 | mg/L | 0.200 | 0.0219 | 95.3 | 70-130 | | | |
| | | | | _ | | | | | | |
| Matrix Spike (AG63917-MS2) | Sou | rce: 16G193 | 0-01 | Prepared: (| 07/26/16 A | nalyzed: 07 | /29/16 | | | |
| Aluminum | 1.71 | 0.050 | mg/L | 2.00 | ND | 85.3 | 70-130 | | | |
| Boron | 0.384 | 0.050 | mg/L | 0.400 | ND | 83.8 | 70-130 | | | |
| Calcium | 26.7 | 1.0 | mg/L | 8.00 | 20.9 | 72.6 | 70-130 | | | |
| Iron | 4.93 | 0.10 | mg/L | 2.00 | 3.45 | 74.2 | 70-130 | | | |
| Magnesium | 19.3 | 1.0 | mg/L | 8.00 | 12.8 | 81.2 | 70-130 | | | |
| Manganese | 0.595 | 0.020 | mg/L | 0.200 | 0.458 | 68.6 | 70-130 | | | QM-01 |
| Sodium | 24.9 | 1.0 | mg/L | 8.00 | 19.1 | 72.9 | 70-130 | | | |
| Zinc | 0.187 | 0.020 | mg/L | 0.200 | ND | 88.4 | 70-130 | | | |
| Matrix Spike Dup (AG63917-MSD1) | Sou | rce: 16G153 | 0-08 | Prepared: (| 07/26/16 A | nalyzed: 07 | /29/16 | | | |
| Aluminum | 1.94 | 0.050 | mg/L | 2.00 | 0.0954 | 92.3 | 70-130 | 1.92 | 20 | |
| Boron | 0.790 | 0.050 | mg/L | 0.400 | 0.418 | 93.1 | 70-130 | 1.66 | 20 | |
| Calcium | 111 | 1.0 | mg/L | 8.00 | 104 | 96.0 | 70-130 | 2.49 | 20 | |
| Iron | 1.98 | 0.10 | mg/L | 2.00 | ND | 94.2 | 70-130 | 1.69 | 20 | |
| Magnesium | 52.3 | 1.0 | mg/L | 8.00 | 43.5 | 110 | 70-130 | 2.27 | 20 | |
| Manganese | 0.193 | 0.020 | mg/L | 0.200 | ND | 93.1 | 70-130 | 1.87 | 20 | |
| Sodium | 173 | 1.0 | mg/L | 8.00 | 166 | 97.7 | 70-130 | 2.26 | 20 | |
| Zinc | 0.209 | 0.020 | mg/L | 0.200 | 0.0219 | 93.6 | 70-130 | 1.61 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:22 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|----------|-------------------------------|-----------|----------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63678 - General Preparation | | | | | | | | | | |
| Duplicate (AG63678-DUP1) | Sou | rce: 16G151 | 8-01 | Prepared & | Analyzed: | 07/18/16 | | | | |
| pH | 7.40 | 1.68 | pH Units | | 7.44 | | | 0.539 | 20 | |
| Batch AG63679 - General Preparation | | | | | | | | | | |
| Duplicate (AG63679-DUP1) | Sou | rce: 16G132 | 2-01 | Prepared & | Analyzed: | 07/26/16 | | | | |
| Bicarbonate | 89.1 | 5.0 | mg/L | | 90.3 | | | 1.36 | 20 | |
| Carbonate Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Total Alkalinity as CaCO3 | 73.0 | 5.0 | mg/L | | 74.0 | | | 1.36 | 20 | |
| Hydroxide Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Bicarbonate Alkalinity as CaCO3 | 73.0 | 5.0 | mg/L | | 74.0 | | | 1.36 | 20 | |
| Batch AG63694 - General Preparation | | | | | | | | | | |
| Blank (AG63694-BLK1) | | | | Prepared & | Analyzed: | 07/20/16 | | | | |
| Silica | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG63694-BS1) | | | | Prepared & | Analyzed: | 07/20/16 | | | | |
| Silica | 9.41 | 1.0 | mg/L | 10.0 | | 94.1 | 85-115 | | | |
| LCS Dup (AG63694-BSD1) | | | | Prepared & | Analyzed: | 07/20/16 | | | | |
| Silica | 8.83 | 1.0 | mg/L | 10.0 | | 88.3 | 85-115 | 6.33 | 20 | |
| Duplicate (AG63694-DUP1) | Sou | rce: 16G153 | 6-02 | Prepared & | Analyzed: | 07/20/16 | | | | |
| Silica | 9.41 | 1.0 | mg/L | | 9.91 | | | 5.18 | 20 | |
| Matrix Spike (AG63694-MS1) | Sou | rce: 16G153 | 6-02 | Prepared & Analyzed: 07/20/16 | | 07/20/16 | | | | |
| Silica | 12.3 | 1.0 | mg/L | 5.00 | 9.91 | 48.5 | 80-120 | | | QM-05 |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:22 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | | Source | | %REC | | RPD | |
|-------------------------------------|------------------------|-------------|------------|---------------------------------------|------------|-------------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63694 - General Preparation | | | | | | | | | | |
| Matrix Spike Dup (AG63694-MSD1) | Source: 16G1536-02 Pre | | Prepared & | Analyzed: | 07/20/16 | | | | | |
| Silica | 12.4 | 1.0 | mg/L | 5.00 | 9.91 | 50.8 | 80-120 | 0.932 | 20 | QM-05 |
| Batch AG63705 - General Preparation | | | | | | | | | | |
| Blank (AG63705-BLK1) | | Prepa | | Prepared: (| 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63705-DUP1) | Source: 16G1518-01 | | | Prepared: 07/20/16 Analyzed: 07/25/16 | | | | | | |
| Total Suspended Solids | 255 | 1.0 | mg/L | | 259 | | | 1.44 | 30 | |
| Duplicate (AG63705-DUP2) | Source: 16G1521-03 | | | Prepared: (|)7/20/16 A | nalyzed: 07 | /25/16 | | | |
| Total Suspended Solids | 217 | 1.0 | mg/L | | 250 | | | 14.2 | 30 | |
| Batch AG63711 - General Preparation | | | | | | | | | | |
| Blank (AG63711-BLK1) | | | | Prepared: (| 07/22/16 A | nalyzed: 07 | /25/16 | | | |
| Volatile Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63711-DUP1) | Sou | rce: 16G151 | 8-01 | Prepared: (|)7/22/16 A | nalyzed: 07 | /25/16 | | | |
| Volatile Suspended Solids | 230 | 1.0 | mg/L | | 236 | | | 2.70 | 30 | |
| Duplicate (AG63711-DUP2) | Sou | rce: 16G152 | 1-03 | Prepared: (| 07/22/16 A | nalyzed: 07 | /25/16 | | | |
| Volatile Suspended Solids | 193 | 1.0 | mg/L | | 222 | | | 14.0 | 30 | |
| Batch AG63734 - General Preparation | | | | | | | | | | |
| Duplicate (AG63734-DUP1) | Sou | rce: 16G159 | 9-01 | Prepared & | Analyzed: | 07/19/16 | | | | |
| Specific Conductance (EC) | 645 | 20 | umhos/cm | | 646 | | | 0.155 | 5 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:22 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|-------------|-------|---------------------------------------|-------------|-------------|---------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63763 - General Preparation | | | | | | | | | | |
| Blank (AG63763-BLK1) | | | | Prepared: (| 07/21/16 A | nalyzed: 07 | //26/16 | | | |
| Total Dissolved Solids | ND | 10 | mg/L | | | | | | | |
| Duplicate (AG63763-DUP1) | Source: 16G1545-01 | | | Prepared: (| 07/21/16 A | nalyzed: 07 | //26/16 | | | |
| Total Dissolved Solids | 332 | 10 | mg/L | | 375 | | | 12.1 | 15 | |
| Batch AG63867 - General Preparation | | | | | | | | | | |
| Blank (AG63867-BLK1) | | | | Prepared: (| nalyzed: 07 | | | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| Blank (AG63867-BLK2) | | | | Prepared: (| 07/20/16 A | nalyzed: 07 | //25/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| LCS (AG63867-BS1) | | | | Prepared: 07/20/16 Analyzed: 07/25/16 | | | | | | |
| Biochemical Oxygen Demand | 212 | 5.0 | mg/L | 200 | | 106 | 84-115 | | | |
| Duplicate (AG63867-DUP1) | Sou | rce: 16G152 | 4-03 | Prepared: (| 07/20/16 A | nalyzed: 07 | //25/16 | | | |
| Biochemical Oxygen Demand | 210 | 5.0 | mg/L | | 221 | | | 5.10 | 30 | |
| Batch AG63879 - General Prep | | | | | | | | | | |
| LCS (AG63879-BS1) | | | | Prepared & | Analyzed: | 07/26/16 | | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | | | |
| LCS Dup (AG63879-BSD1) | | | | Prepared & Analyzed: 07/26/16 | | | | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | 0.00 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:22 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | Reporting | | | Spike | Source | | %REC | RPD | | |
|---------------------------------|--------------------|-------|-------------------------------|-------------------------------|------------|-------------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63879 - General Prep | | | | | | | | | | |
| Matrix Spike (AG63879-MS1) | Source: 16G1521-01 | | | Prepared: (| 07/27/16 A | nalyzed: 07 | | | | |
| Total Kjeldahl Nitrogen | 93.2 | 1.0 | mg/L | 22.6 | 53.9 | 173 | 75-125 | | | QM-4X |
| Matrix Spike Dup (AG63879-MSD1) | Source: 16G1521-01 | | | Prepared: (|)7/27/16 A | nalyzed: 07 | /28/16 | | | |
| Total Kjeldahl Nitrogen | 93.2 | 1.0 | mg/L | 22.6 | 53.9 | 173 | 75-125 | 0.00 | 20 | QM-4X |
| Batch AG63917 - Metals Digest | | | | | | | | | | |
| Blank (AG63917-BLK1) | | | | Prepared: (| 07/26/16 A | nalyzed: 07 | | | | |
| Hardness, Total | ND | 5 | mg/L | | | | | | | |
| Duplicate (AG63917-DUP1) | Source: 16G1530-08 | | | Prepared: (|)7/26/16 A | nalyzed: 07 | | | | |
| Hardness, Total | 454 | 5 | mg/L | | 438 | | | 3.52 | 20 | |
| Batch AG63991 - General Prep | | | | | | | | | | |
| Blank (AG63991-BLK1) | | | | Prepared & Analyzed: 07/28/16 | | | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | | | | | | |
| LCS (AG63991-BS1) | | | Prepared & Analyzed: 07/28/16 | | | | | | | |
| Phosphorus, total | 0.192 | 0.040 | mg/L | 0.200 | | 95.9 | 85-115 | | | |
| Duplicate (AG63991-DUP1) | Source: 16G1518-01 | | Prepared & Analyzed: 07/28/16 | | | | | | | |
| Phosphorus, total | 7.50 | 2.0 | mg/L | | 7.57 | | | 0.889 | 20 | |
| Matrix Spike (AG63991-MS1) | Source: 16G1518-01 | | | Prepared & | Analyzed: | 07/28/16 | | | | |
| Phosphorus, total | 8.78 | 2.0 | mg/L | 2.00 | 7.57 | 60.6 | 70-130 | | | QM-4X |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:22 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|--------------------|-------|-------------------------------|-------------------------------|----------|--------|------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63991 - General Prep | | | | | | | | | | |
| Matrix Spike Dup (AG63991-MSD1) | Source: 16G1518-01 | | | Prepared & | Analyzed: | 07/28/16 | | | | |
| Phosphorus, total | 8.78 | 2.0 | mg/L | 2.00 | 7.57 | 60.6 | 70-130 | 0.00 | 20 | QM-4X |
| Batch AG64041 - General Preparation | | | | | | | | | | |
| Blank (AG64041-BLK1) | | | | Prepared & Analyzed: 07/29/16 | | | | | | |
| Ammonia as NH3 | ND | 0.50 | mg/L | | | | | | | |
| LCS (AG64041-BS1) | | | | Prepared & | Prepared & Analyzed: 07/29/16 | | | | | |
| Ammonia as NH3 | 5.96 | 0.50 | mg/L | 6.10 | | 97.7 | 90-110 | | | |
| LCS Dup (AG64041-BSD1) | | | | Prepared & Analyzed: 07/29/16 | | | | | | |
| Ammonia as NH3 | 5.85 | 0.50 | mg/L | 6.10 | | 96.0 | 90-110 | 1.81 | 10 | |
| Matrix Spike (AG64041-MS1) | So | Source: 16G1636-02 | | Prepared & Analyzed: 07/29/16 | | | | | | |
| Ammonia as NH3 | 12.3 | 0.50 | mg/L | 12.2 | ND | 101 | 85-115 | | | |
| Matrix Spike Dup (AG64041-MSD1) | So | Source: 16G1636-02 | | Prepared & Analyzed: 07/29/16 | | | | | | |
| Ammonia as NH3 | 11.9 | 0.50 | mg/L | 12.2 | ND | 97.7 | 85-115 | 3.51 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:22 |

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 AG63645 - General Prenaration | | | | | | | | | | _ |
| Right (AC 63645 RI K1) | | | | Prenared & | Analyzed: | 07/19/16 | | | | |
| Nitrite as N | ND | 0.20 | mg/L | i ieparea a | . i maryzea. | 0//1//10 | | | | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | | | | | | |
| Chloride | ND | 0.50 | mg/L | | | | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | | | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG63645-BS1) | | | | Prepared & | Analyzed: | 07/19/16 | | | | |
| Sulfate as SO4 | 22.9 | 0.50 | mg/L | 22.2 | | 103 | 90-110 | | | |
| Chloride | 11.5 | 0.50 | mg/L | 11.1 | | 103 | 90-110 | | | |
| Nitrite as N | 5.58 | 0.20 | mg/L | 5.56 | | 100 | 90-110 | | | |
| Nitrite as NO2 | 18.3 | 1.0 | mg/L | 18.2 | | 101 | 90-110 | | | |
| Nitrate as NO3 | 26 | 1.0 | mg/L | 24.7 | | 105 | 90-110 | | | |
| Nitrate as N | 5.86 | 0.20 | mg/L | 5.56 | | 106 | 90-110 | | | |
| Duplicate (AG63645-DUP1) | Source: 16G1539-01 | | Prepared & Analyzed: 07/19/16 | | | | | | | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | ND | | | 5.82 | 20 | |
| Nitrate as NO3 | 2.3 | 1.0 | mg/L | | 2.3 | | | 0.435 | 20 | |
| Chloride | 1.77 | 0.50 | mg/L | | 1.81 | | | 2.46 | 20 | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Nitrite as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Nitrate as N | 0.518 | 0.20 | mg/L | | 0.520 | | | 0.435 | 20 | |
| Matrix Spike (AG63645-MS1) | Source: 16G1539-01 | | Prepared & Analyzed: 07/19/16 | | | | | | | |
| Nitrite as N | 5.62 | 0.20 | mg/L | 5.56 | ND | 101 | 80-120 | | | |
| Nitrate as N | 6.47 | 0.20 | mg/L | 5.56 | 0.520 | 107 | 80-120 | | | |
| Nitrate as NO3 | 29 | 1.0 | mg/L | 24.7 | 2.3 | 107 | 80-120 | | | |
| Sulfate as SO4 | 23.6 | 0.50 | mg/L | 22.2 | ND | 105 | 80-120 | | | |
| Nitrite as NO2 | 18.5 | 1.0 | mg/L | 18.2 | ND | 101 | 80-120 | | | |
| Chloride | 13.4 | 0.50 | mg/L | 11.1 | 1.81 | 104 | 80-120 | | | |


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|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:22 |

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 AG63645 - General Preparation | | | | | | | | | | |
| Matrix Spike Dup (AG63645-MSD1) | Sour | ce: 16G153 | 9-01 | Prepared & | Analyzed: | 07/19/16 | | | | |
| Nitrate as N | 6.44 | 0.20 | mg/L | 5.56 | 0.520 | 107 | 80-120 | 0.493 | 20 | |
| Nitrite as N | 5.57 | 0.20 | mg/L | 5.56 | ND | 100 | 80-120 | 0.834 | 20 | |
| Chloride | 13.3 | 0.50 | mg/L | 11.1 | 1.81 | 104 | 80-120 | 0.433 | 20 | |
| Sulfate as SO4 | 23.5 | 0.50 | mg/L | 22.2 | ND | 104 | 80-120 | 0.750 | 20 | |
| Nitrate as NO3 | 29 | 1.0 | mg/L | 24.7 | 2.3 | 106 | 80-120 | 0.493 | 20 | |
| Nitrite as NO2 | 18.3 | 1.0 | mg/L | 18.2 | ND | 101 | 80-120 | 0.834 | 20 | |



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|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:22 |

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-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-16 Sample prepared outside of recommended hold time. Client notified.
- 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

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|--|---|------------------------|---|-------------------------------|---|---------------------------------|-------------------------------------|---------------------------------------|------------------|--------------------|------------------|----------|--------|--|-------------|-----------|---------------|--------------|--------------|-----------------|
| scord | N 10 | | TAT | ĨŎ | 0.21 | ∦ ≚() | 2 wk (standard) | 0 | | | | | | | UN V |) : | | | | νά. |
| k Order istody Re | 20 Page | e side. | ample Notes | | | | 0. 5 ml | \mathbf{v} | | $\mathbf{\hat{v}}$ | | | | | Voe | | |) \$ | | MISC. SUPPlie |
| Worl | 10015 | terms stated on revers | S | | | <u>C GA</u> Sibi |) ssent | | × × × × | | × × × | | | | | Alumber | Number. | EDF And | | lime: Mileage: |
| , e, CA 95624 C | Lab No | authorizes work under | lysis Request | 3 | JO2, NO ate ulation | de, EC, M carbons ed Calc | e, Chlori Inity, Bi Adjust | Sulfat Alkal AAR SAR | x x x x | × × × × | × × × × | | | | | | State System | | | Travel and Site |
| rai Valley Laboratory < Wy., #113, Elk Grove 6-5190 F) 916-686-51 | | Signature below a | Ana | | Fe, Mn, Z rus | g, Na, Al, Odqeod | H B, Ca, M Onia, P Vitroge | pUD - 7.005 mmA IsfoT | x x x x | × × × | × × × × | | | | Time | B16 1330 | S/16 1645 | 19 1700 | 18/2100 | Time |
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| or atory ah, CA 95482 7-468-5267 ia-labs.com | , Dublin, CA 94568 55-828-6309 | | Monitoring | | | Smerett: | iner Preservat | HINO3 HINO3 HCC Officere | + | | 1 | | | | | | \mathcal{A} | rer | ul - | |
| Corporate Labo Corporate Labo 707-468-0401 F) 707 clientservices@alph | Bay Area Labo Dougherty Road, #35 925-828-6226 F) 92 | | | Project No: | PO# | Site Contact: | ple ction | Time Poly Glass | 0680 5 | 0900 5 | AC 30 5 | | | | Received hv | Val | Received by: | Received by: | Received by: | Received by: |
| Ñ | 6398 | | <u>o. </u> | | or PDF to): | | Sam | Date | 91/2 | 9//4 | 9)/ <u>i</u> | | | | | - | 5 | 5 | | |
| ha | nalytical Laboratories Inc. Ipha-labe.com ieDiments, Souids | | ame: Sanitary District | ress: treet | CA 94025 ttact & Email (Hardcopy stti | (Q)WESIDAY SAIIIALY | r - Print Name & Signature | cation | | 616A | 6163 | 6/60 | | | | ined by: | and by | thed by: | shed by: | shed by: |
| Anto | Alpha A www.al | | Company/Na West Bay | Mailing Addi 500 Laurel St | Menlo Park, Project Con John Simone | Phone/Fax: | Field Sample | Sample | G13104 | C 13220 | 0 1/0 | JEC D | | | | Relinquis | Relinquis | Relinquis | Relinquit | Relinquit |

| alaha | Alpha Analytical Laboratories Inc. | www.alpha-labs.com | Vinner Crainchate Sol Ins |
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Corporate Laboratory 208 Mason Street, Ukiah, CA 95482 707-468-0401 F) 707-468-5267 clientservices@alpha-labs.com Bay Area Laboratory

Central Valley Laboratory 9090 Unioin Park Wy., #113, Elk Grove. CA 95624 916-686-5190 F) 916-685-5192

Chain of Custody Record $\vec{\mathcal{N}}$ 7 Work Order Je J

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| WATERS, SEDIMENTS, SOLIDS | 6398 Dougherty Road, #35, Uublin, CA 94300 925-828-6226 F) 925-828-6309 | | | | |
|---|--|---|--|----------------|--|
| Community and | Project ID: | Signature below au | thorizes work under terms stated on rev | lerse side. | |
| Companyiname: West Bay Sanitary District | WQ Monitoring | Analy | /sis Request | Sample Notes | TAT |
| Mailing Address: 500 Laurel Street Manin Dary F 0 40075 | Project No: | | | | те 20,5 48ия |
| Project Contact & Email (Hardcopy or PDF to): John Simonetti isimonetti@westbavSanitary.org | PO# | . Fe, Mn, . SUIS | noitelu: | | Ulfed For |
| Phone/Fax: | Site Contact: | g, Na, Al, Phospho ne | ae, EC, 1 carbon ed Calc alc | | y γ γ γ γ γ γ γ γ γ γ γ γ γ |
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Sheri Speaks <speaks78@gmail.com>

Fwd: Scanned Doc - 2FL Scanner 07/19/2016 09:07 1 message

Robbie Phillips <robbie@alpha-labs.com> To: Sheri Speaks <speaks78@gmail.com> Tue, Jul 19, 2016 at 10:16 AM

Robbie C. Phillips 650-464-3237

Begin forwarded message:

From: Jed Beyer <JBeyer@westbaysanitary.org> Date: July 19, 2016 at 10:11:49 PDT To: "robbie@alpha-labs.com" <robbie@alpha-labs.com> Subject: FW: Scanned Doc - 2FL Scanner 07/19/2016 09:07

Hi Robbie,

We had to amend some dates. Please see the attached forms.

Thank you,

Jed

-----Original Message-----From: 2FL-Scanner [mailto:it@westbaysanitary.org] Sent: Tuesday, July 19, 2016 9:07 AM To: Jed Beyer Subject: Scanned Doc - 2FL Scanner 07/19/2016 09:07

Scanned from MFP11330137 Date:07/19/2016 09:07 Pages:2 Resolution:200x200 DPI

https://mail.google.com/mail/u/0/?ui=2&ik=923a9ff182&view=p... 7/19/2016



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ELAP Certificates 1551, 2728, and 2922

02 August 2016

West Bay Sanitary District Attn: John Simonetti 500 Laurel Street Menlo Park, CA 94025 RE: WQ Monitoring Work Order: 16G1524

Enclosed are the results of analyses for samples received by the laboratory on 07/18/16 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Popli

Jeanette L. Poplin For Robbie C. Phillips Project Manager



e-mail: clientservices @alpha-labs.com

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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:08 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| G13104 / 071716A | 16G1524-01 | Water | 07/18/16 09:10 | 07/18/16 21:00 |
| G13220 / 071716B | 16G1524-02 | Water | 07/18/16 09:40 | 07/18/16 21:00 |
| G13223 / 071716C | 16G1524-03 | Water | 07/18/16 08:30 | 07/18/16 21:00 |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | | Projec Proje | t Manager: Joh Project: WC ct Number: [noi | nn Simor) Monitor ne] | netti ring | | | Reported: 08/02/16 16:08 | |
|---|---------|-----------------|--|------------------------------|---------------|----------------|-------------------|-----------------------------|------|
| | Result | | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13104 / 071716A (16G1524-01) | | | Sample Type: | Water | | Sample | d: 07/18/16 09:10 | | |
| Metals (Drinking Water) by EPA 200 Series Methods | | | | | | | | | |
| Potassium | 21 | mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:42 | EPA 200.7 | |
| Metals by EPA 200 Series Methods | | | | | | | | | |
| Aluminum | 0.94 | mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:42 | EPA 200.7 | |
| Boron | 0.13 | mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:42 | EPA 200.7 | |
| Calcium | 32 | mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:42 | EPA 200.7 | |
| Iron | 2.9 | mg/L | 0.10 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:42 | EPA 200.7 | |
| Magnesium | 8.3 | mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:42 | EPA 200.7 | |
| Manganese | 0.14 | mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:42 | EPA 200.7 | |
| Sodium | 49 | mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:42 | EPA 200.7 | |
| Zinc | 0.31 | mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:42 | EPA 200.7 | |
| Conventional Chemistry Parameters by APHA/EPA | lethods | | | | | | | | |
| Ammonia as NH3 | 88 | mg/L | 0.50 | 1 | AG64041 | 07/29/16 08:13 | 07/29/16 17:00 | SM4500NH3C | |
| Bicarbonate | 440 | mg/L | 5.0 | 1 | AG63801 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Biochemical Oxygen Demand | 290 | mg/L | 5.0 | 1 | AG63867 | 07/20/16 07:00 | 07/25/16 12:00 | SM5210B | |
| рН | 7.50 | pH Units | 1.68 | 1 | AG63678 | 07/18/16 19:00 | 07/18/16 19:00 | SM4500-H+ B | T-1 |
| Specific Conductance (EC) | 1100 | - umhos/cm | 20 | 1 | AG63734 | 07/19/16 16:00 | 07/19/16 17:00 | SM2510B | |
| Total Dissolved Solids | 520 | mg/L | 10 | 1 | AG63763 | 07/21/16 12:24 | 07/26/16 16:38 | SM2540C | |
| Total Suspended Solids | 340 | mg/L | 1.0 | 1 | AG63705 | 07/20/16 09:55 | 07/25/16 09:37 | SM2540D | |
| Volatile Suspended Solids | 300 | mg/L | 1.0 | 1 | AG63711 | 07/22/16 10:00 | 07/25/16 16:30 | EPA 160.4 | |
| Silica | 14 | mg/L | 5.0 | 5 | AG63694 | 07/20/16 08:30 | 07/20/16 10:30 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 360 | mg/L | 5.0 | 1 | AG63801 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND | mg/L | 5.0 | 1 | AG63801 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND | mg/L | 5.0 | 1 | AG63801 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Total Alkalinity as CaCO3 | 360 | mg/L | 5.0 | 1 | AG63801 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Total Kjeldahl Nitrogen | 100 | mg/L | 1.0 | 1 | AG63879 | 07/27/16 06:16 | 07/28/16 10:16 | SM4500-Norg B | |
| Total Nitrogen | 100 | mg/L | 1.0 | 1 | AG63717 | 07/20/16 12:32 | 07/28/16 14:55 | SM4500-N | |
| Hardness, Total | 115 | mg/L | 5 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:42 | SM2340B | |
| Phosphorus, total | 12 | mg/L | 2.0 | 5 | AG63991 | 07/28/16 09:15 | 07/28/16 13:06 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj | 08/(| Reported: 02/16 16:08 | | | | | |
|---|--------------|-----------------|--------------------------|---------|----------------|-------------------|-----------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13104 / 071716A (16G1524-01) | | Sample Type: | : Water | | Sample | d: 07/18/16 09:10 | | |
| Miscellaneous Physical/Conventional Chemistr | y Parameters | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.55 NA | | 1 | AG63917 | 07/26/16 12:30 | 08/02/16 06:00 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 52 mg/L | 12 | 25 | AG63645 | 07/20/16 01:16 | 07/20/16 01:16 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63645 | 07/20/16 01:33 | 07/20/16 01:33 | EPA 300.0 | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63645 | 07/20/16 01:33 | 07/20/16 01:33 | EPA 300.0 | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63645 | 07/20/16 01:33 | 07/20/16 01:33 | EPA 300.0 | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63645 | 07/20/16 01:33 | 07/20/16 01:33 | EPA 300.0 | |
| Sulfate as SO4 | 45 mg/L | 12 | 25 | AG63645 | 07/20/16 01:16 | 07/20/16 01:16 | EPA 300.0 | |
| G13220 / 071716B (16G1524-02) | | Sample Type: | : Water | | Sample | d: 07/18/16 09:40 | | |
| Metals (Drinking Water) by EPA 200 Series Mo | ethods | | | | - | | | |
| Potassium | 18 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:47 | EPA 200.7 | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 1.9 mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:47 | EPA 200.7 | |
| Boron | 0.15 mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:47 | EPA 200.7 | |
| Calcium | 33 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:47 | EPA 200.7 | |
| Iron | 5.9 mg/L | 0.10 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:47 | EPA 200.7 | |
| Magnesium | 13 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:47 | EPA 200.7 | |
| Manganese | 0.092 mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:47 | EPA 200.7 | |
| Sodium | 57 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:47 | EPA 200.7 | |
| Zinc | 0.48 mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:47 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | | Project Projec | Manager: Joh Project: WC t Number: [no | nn Simor) Monitor ne] | netti ring | | | R 08/02/ | eported: 16 16:08 |
|---|---------------|-------------------|--|------------------------------|---------------|----------------|-------------------|---------------|----------------------|
| | Result | | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13220 / 071716B (16G1524-02) | | | Sample Type: | : Water | | Sample | d: 07/18/16 09:40 | | |
| Conventional Chemistry Parameters by APHA | /EPA Methods | | | | | | | | |
| Ammonia as NH3 | 52 m | ng/L | 0.50 | 1 | AG64041 | 07/29/16 08:13 | 07/29/16 17:00 | SM4500NH3C | |
| Bicarbonate | 310 m | ng/L | 5.0 | 1 | AG63801 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Biochemical Oxygen Demand | 330 m | ng/L | 5.0 | 1 | AG63867 | 07/20/16 07:00 | 07/25/16 12:00 | SM5210B | |
| рН | 7.56 pl | H Units | 1.68 | 1 | AG63678 | 07/18/16 19:00 | 07/18/16 19:00 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 830 ui | mhos/cm | 20 | 1 | AG63734 | 07/19/16 16:00 | 07/19/16 17:00 | SM2510B | |
| Total Dissolved Solids | 390 m | ıg/L | 10 | 1 | AG63763 | 07/21/16 12:24 | 07/26/16 16:38 | SM2540C | |
| Total Suspended Solids | 1200 m | ıg/L | 1.0 | 1 | AG63705 | 07/20/16 09:55 | 07/25/16 09:37 | SM2540D | |
| Volatile Suspended Solids | 1100 m | ıg/L | 1.0 | 1 | AG63711 | 07/22/16 10:00 | 07/25/16 16:30 | EPA 160.4 | |
| Silica | 15 m | ıg/L | 5.0 | 5 | AG63694 | 07/20/16 08:30 | 07/20/16 10:30 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 260 m | ng/L | 5.0 | 1 | AG63801 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND m | ng/L | 5.0 | 1 | AG63801 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND m | ng/L | 5.0 | 1 | AG63801 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Total Alkalinity as CaCO3 | 260 m | ıg/L | 5.0 | 1 | AG63801 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Total Kjeldahl Nitrogen | 50 m | ıg/L | 1.0 | 1 | AG63879 | 07/27/16 06:16 | 07/28/16 10:16 | SM4500-Norg B | |
| Total Nitrogen | 50 m | ıg/L | 1.0 | 1 | AG63717 | 07/20/16 12:32 | 07/28/16 14:55 | SM4500-N | |
| Hardness, Total | 136 m | ıg/L | 5 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:47 | SM2340B | |
| Phosphorus, total | 9.3 m | ng/L | 2.0 | 5 | AG63991 | 07/28/16 09:15 | 07/28/16 13:06 | SM4500-P E | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.47 N | A | | 1 | AG63917 | 07/26/16 12:30 | 08/02/16 06:00 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | | |
| Chloride | 61 m | ng/L | 10 | 20 | AG63645 | 07/20/16 01:49 | 07/20/16 01:49 | EPA 300.0 | |
| Nitrate as N | ND m | ng/L | 0.20 | 1 | AG63645 | 07/20/16 02:05 | 07/20/16 02:05 | EPA 300.0 | |
| Nitrate as NO3 | ND m | ng/L | 1.0 | 1 | AG63645 | 07/20/16 02:05 | 07/20/16 02:05 | EPA 300.0 | |
| Nitrite as N | ND m | ng/L | 0.20 | 1 | AG63645 | 07/20/16 02:05 | 07/20/16 02:05 | EPA 300.0 | |
| Nitrite as NO2 | ND m | ng/L | 1.0 | 1 | AG63645 | 07/20/16 02:05 | 07/20/16 02:05 | EPA 300.0 | |
| Sulfate as SO4 | 50 m | ng/L | 10 | 20 | AG63645 | 07/20/16 01:49 | 07/20/16 01:49 | EPA 300.0 | |
| G13223 / 071716C (16G1524-03) | | | Sample Type: | : Water | | Sample | d: 07/18/16 08:30 | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | |
| Potassium | 17 m | ng/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:51 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Pro | Re 08/02/1 | Reported: 08/02/16 16:08 | | | | | |
|---|---------------|-----------------|-----------------------------|---------|----------------|-------------------|----------------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 071716C (16G1524-03) | | Sample Type | : Water | | Sample | d: 07/18/16 08:30 | | |
| Metals by EPA 200 Series Methods | | | | | - | | | |
| Aluminum | 0.57 mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:51 | EPA 200.7 | |
| Boron | 0.19 mg/L | 0.050 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:51 | EPA 200.7 | |
| Calcium | 17 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:51 | EPA 200.7 | |
| Iron | 1.4 mg/L | 0.10 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:51 | EPA 200.7 | |
| Magnesium | 6.3 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:51 | EPA 200.7 | |
| Manganese | 0.053 mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:51 | EPA 200.7 | |
| Sodium | 61 mg/L | 1.0 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:51 | EPA 200.7 | |
| Zinc | 0.20 mg/L | 0.020 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:51 | EPA 200.7 | |
| Conventional Chemister Deventors by ADI | A/EDA Mathada | | | | | | | |
| Conventional Chemistry Farameters by AFH. | A/EFA Methous | 0.50 | 1 | 10(4041 | 07/20/16 00 12 | 07/20/17 17 00 | C) (4500) 112C | |
| Ammonia as INH3 | 58 mg/L | 0.50 | 1 | AG64041 | 07/29/16 08:13 | 07/29/16 17:00 | SM4500NH3C | |
| Bicarbonate | 290 mg/L | 5.0 | 1 | AG63801 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Biochemical Oxygen Demand | 220 mg/L | 5.0 | 1 | AG6386/ | 07/20/16 07:00 | 07/25/16 12:00 | SM5210B | T 14 |
| | 7.40 pH Uni | ts 1.68 | 1 | AG63678 | 07/18/16 19:00 | 07/18/16 19:00 | SM4500-H+ B | 1-14 |
| Specific Conductance (EC) | 820 umhos/ | cm 20 | 1 | AG63/34 | 07/19/16 16:00 | 07/19/16 17:00 | SM2510B | |
| Total Dissolved Solids | 400 mg/L | 10 | 1 | AG63/63 | 07/21/16 12:24 | 07/26/16 16:38 | SM2540C | |
| lotal Suspended Solids | 350 mg/L | 1.0 | 1 | AG63705 | 07/20/16 09:55 | 07/25/16 09:37 | SM2540D | |
| Volatile Suspended Solids | 340 mg/L | 1.0 | I c | AG63711 | 07/22/16 10:00 | 07/25/16 16:30 | EPA 160.4 | |
| | 14 mg/L | 5.0 | 5 | AG63694 | 07/20/16 08:30 | 07/20/16 10:30 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 240 mg/L | 5.0 | I | AG63801 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | I | AG63801 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63801 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Total Alkalinity as CaCO3 | 240 mg/L | 5.0 | 1 | AG63801 | 07/26/16 08:00 | 07/26/16 17:00 | SM2320B | |
| Total Kjeldahl Nitrogen | 43 mg/L | 1.0 | 1 | AG63879 | 07/27/16 06:16 | 07/28/16 10:16 | SM4500-Norg B | |
| Total Nitrogen | 43 mg/L | 1.0 | 1 | AG63717 | 07/20/16 12:32 | 07/28/16 14:55 | SM4500-N | |
| Hardness, Total | 68 mg/L | 5 | 1 | AG63917 | 07/26/16 12:30 | 07/29/16 15:51 | SM2340B | |
| Phosphorus, total | 7.6 mg/L | 2.0 | 5 | AG63991 | 07/28/16 09:15 | 07/28/16 13:06 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proje | ا 08/02 | Reported: 08/02/16 16:08 | | | | | |
|---|---------------|-----------------|-----------------------------|---------|----------------|----------------|-----------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 071716C (16G1524-03) | | Sample Type: | d: 07/18/16 08:30 | | | | | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 3.53 NA | | 1 | AG63917 | 07/26/16 12:30 | 08/02/16 06:00 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 66 mg/L | 10 | 20 | AG63645 | 07/20/16 02:21 | 07/20/16 02:21 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63645 | 07/20/16 02:37 | 07/20/16 02:37 | EPA 300.0 | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63645 | 07/20/16 02:37 | 07/20/16 02:37 | EPA 300.0 | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63645 | 07/20/16 02:37 | 07/20/16 02:37 | EPA 300.0 | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63645 | 07/20/16 02:37 | 07/20/16 02:37 | EPA 300.0 | |
| Sulfate as SO4 | 32 mg/L | 0.50 | 1 | AG63645 | 07/20/16 02:37 | 07/20/16 02:37 | EPA 300.0 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:08 |

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

| Analyta(a) | Posult | Reporting | Unita | Spike | Source | 0/ DEC | %REC | רוסס | RPD Limit | Flag |
|---------------------------------|--------|--------------|-------|---------------------------------------|-------------|-------------|----------|------|--------------|-------|
| Allalyte(s) | Kesult | Limit | Units | Level | Result | 70KEU | LIIIIIts | KFD | Liiiit | 1 lag |
| Batch AG63917 - Metals Digest | | | | | | | | | | |
| Blank (AG63917-BLK1) | | | | Prepared: 0 | 7/26/16 Ai | nalyzed: 07 | /29/16 | | | |
| Potassium | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG63917-BS1) | | | | Prepared: 0 | 07/26/16 Ar | nalyzed: 07 | /29/16 | | | |
| Potassium | 7.08 | 1.0 | mg/L | 8.00 | | 88.6 | 85-115 | | | |
| Duplicate (AG63917-DUP1) | Sou | rce: 16G153(| 0-08 | Prepared: 0 | 7/26/16 Ai | nalyzed: 07 | | | | |
| Potassium | 19.9 | 1.0 | mg/L | | 19.0 | | | 4.51 | 20 | |
| Matrix Spike (AG63917-MS1) | Sou | rce: 16G153(| 0-08 | Prepared: 07/26/16 Analyzed: 07/29/16 | | | | | | |
| Potassium | 27.7 | 1.0 | mg/L | 8.00 | 19.0 | 108 | 70-130 | | | |
| Matrix Spike (AG63917-MS2) | Sou | rce: 16G1930 | 0-01 | Prepared: 07/26/16 Analyzed: 07/29/16 | | | /29/16 | | | |
| Potassium | 9.07 | 1.0 | mg/L | 8.00 | 2.61 | 80.8 | 70-130 | | | |
| Matrix Spike Dup (AG63917-MSD1) | Sou | rce: 16G1530 | 0-08 | Prepared: 0 | 7/26/16 Ai | nalyzed: 07 | /29/16 | | | |
| Potassium | 27.3 | 1.0 | mg/L | 8.00 | 19.0 | 103 | 70-130 | 1.41 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:08 |

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 |
|-------------------------------|--------|--------------------|-------|---------------------------------------|------------------|-------------|----------------|------|--------------|------|
| Potch AC62017 Motols Digest | | | | | | , | | | | 0 |
| Batch AG03917 - Metals Digest | | | | | | | | | | |
| Blank (AG63917-BLK1) | | | | Prepared: 0 | 7/26/16 Ar | alyzed: 07 | /29/16 | | | |
| 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 (AG63917-BS1) | | | | Prepared: 0 | 07/26/16 Ar | nalyzed: 07 | /29/16 | | | |
| Aluminum | 1.81 | 0.050 | mg/L | 2.00 | | 90.3 | 85-115 | | | |
| Boron | 0.342 | 0.050 | mg/L | 0.400 | | 85.5 | 85-115 | | | |
| Calcium | 7.24 | 1.0 | mg/L | 8.00 | | 90.5 | 85-115 | | | |
| Iron | 1.89 | 0.10 | mg/L | 2.00 | | 94.4 | 85-115 | | | |
| Magnesium | 7.11 | 1.0 | mg/L | 8.00 | | 88.9 | 85-115 | | | |
| Manganese | 0.185 | 0.020 | mg/L | 0.200 | | 92.4 | 85-115 | | | |
| Sodium | 7.63 | 1.0 | mg/L | 8.00 | | 95.4 | 85-115 | | | |
| Zinc | 0.181 | 0.020 | mg/L | 0.200 | | 90.5 | 85-115 | | | |
| Duplicate (AG63917-DUP1) | So | urce: 16G153(| 0-08 | Prepared: 07/26/16 Analyzed: 07/29/16 | | | | | | |
| Aluminum | 0.102 | 0.050 | mg/L | | 0.0954 | | | 6.75 | 20 | |
| Boron | 0.445 | 0.050 | mg/L | | 0.418 | | | 6.38 | 20 | |
| Calcium | 107 | 1.0 | mg/L | | 104 | | | 2.68 | 20 | |
| Iron | 0.113 | 0.10 | mg/L | | ND | | | 13.3 | 20 | |
| Magnesium | 45.6 | 1.0 | mg/L | | 43.5 | | | 4.72 | 20 | |
| Manganese | ND | 0.020 | mg/L | | ND | | | 9.57 | 20 | |
| Sodium | 171 | 1.0 | mg/L | | 166 | | | 3.09 | 20 | |
| Zinc | 0.0236 | 0.020 | mg/L | | 0.0219 | | | 7.21 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:08 |

Metals by EPA 200 Series Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC RPD | | | |
|---------------------------------|--------------------|-------------|-------|-------------|-------------|-------------|----------|------|-------|----------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63917 - Metals Digest | | | | | | | | | | |
| Matrix Spike (AG63917-MS1) | Sou | rce: 16G153 | 0-08 | Prepared: (| 07/26/16 A | nalyzed: 07 | /29/16 | | | |
| Aluminum | 1.98 | 0.050 | mg/L | 2.00 | 0.0954 | 94.2 | 70-130 | | | |
| Boron | 0.803 | 0.050 | mg/L | 0.400 | 0.418 | 96.4 | 70-130 | | | |
| Calcium | 114 | 1.0 | mg/L | 8.00 | 104 | 131 | 70-130 | | | QM-4X |
| Iron | 2.02 | 0.10 | mg/L | 2.00 | ND | 95.9 | 70-130 | | | |
| Magnesium | 53.5 | 1.0 | mg/L | 8.00 | 43.5 | 125 | 70-130 | | | |
| Manganese | 0.197 | 0.020 | mg/L | 0.200 | ND | 95.0 | 70-130 | | | |
| Sodium | 177 | 1.0 | mg/L | 8.00 | 166 | 147 | 70-130 | | | QM-4X |
| Zinc | 0.212 | 0.020 | mg/L | 0.200 | 0.0219 | 95.3 | 70-130 | | | |
| Matrix Snike (AC63917-MS2) | Source: 16G1930-04 | | | Prenared: (|)7/26/16 Ai | nalvzed: 07 | /29/16 | | | |
| Aluminum | 1 71 | 0.050 | mg/L | 2.00 | ND | 85 3 | 70-130 | | | |
| Boron | 0.384 | 0.050 | mg/L | 0.400 | ND | 83.8 | 70-130 | | | |
| Calcium | 26.7 | 1.0 | mg/L | 8.00 | 20.9 | 72.6 | 70-130 | | | |
| Iron | 4 93 | 0.10 | mg/L | 2.00 | 3 45 | 74.2 | 70-130 | | | |
| Magnesium | 19.3 | 1.0 | mg/L | 8.00 | 12.8 | 81.2 | 70-130 | | | |
| Manganese | 0.595 | 0.020 | mg/L | 0.200 | 0.458 | 68.6 | 70-130 | | | OM-01 |
| Sodium | 24.9 | 1.0 | mg/L | 8.00 | 19.1 | 72.9 | 70-130 | | | 2 |
| Zinc | 0.187 | 0.020 | mg/L | 0.200 | ND | 88.4 | 70-130 | | | |
| | | | 0 | | 112 | | | | | |
| Matrix Spike Dup (AG63917-MSD1) | Sou | rce: 16G153 | 0-08 | Prepared: (| 07/26/16 A | nalyzed: 07 | /29/16 | | | |
| Aluminum | 1.94 | 0.050 | mg/L | 2.00 | 0.0954 | 92.3 | 70-130 | 1.92 | 20 | |
| Boron | 0.790 | 0.050 | mg/L | 0.400 | 0.418 | 93.1 | 70-130 | 1.66 | 20 | |
| Calcium | 111 | 1.0 | mg/L | 8.00 | 104 | 96.0 | 70-130 | 2.49 | 20 | |
| Iron | 1.98 | 0.10 | mg/L | 2.00 | ND | 94.2 | 70-130 | 1.69 | 20 | |
| Magnesium | 52.3 | 1.0 | mg/L | 8.00 | 43.5 | 110 | 70-130 | 2.27 | 20 | |
| Manganese | 0.193 | 0.020 | mg/L | 0.200 | ND | 93.1 | 70-130 | 1.87 | 20 | |
| Sodium | 173 | 1.0 | mg/L | 8.00 | 166 | 97.7 | 70-130 | 2.26 | 20 | |
| Zinc | 0.209 | 0.020 | mg/L | 0.200 | 0.0219 | 93.6 | 70-130 | 1.61 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:08 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|----------|-------------------------------|------------|-------------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63678 - General Preparation | | | | | | | | | | |
| Duplicate (AG63678-DUP1) | Sou | rce: 16G151 | 8-01 | Prepared & | Analyzed: | 07/18/16 | | | | |
| pH | 7.40 | 1.68 | pH Units | | 7.44 | | | 0.539 | 20 | |
| Batch AG63694 - General Preparation | | | | | | | | | | |
| Blank (AG63694-BLK1) | | | | Prepared & | Analyzed: | 07/20/16 | | | | |
| Silica | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG63694-BS1) | | | | Prepared & | Analyzed: | 07/20/16 | | | | |
| Silica | 9.41 | 1.0 | mg/L | 10.0 | | 94.1 | 85-115 | | | |
| LCS Dup (AG63694-BSD1) | | | | Prepared & | Analyzed: | 07/20/16 | | | | |
| Silica | 8.83 | 1.0 | mg/L | 10.0 | | 88.3 | 85-115 | 6.33 | 20 | |
| Duplicate (AG63694-DUP1) | Sou | rce: 16G153 | 6-02 | Prepared & Analyzed: 07/20/16 | | | | | | |
| Silica | 9.41 | 1.0 | mg/L | | 9.91 | | | 5.18 | 20 | |
| Matrix Spike (AG63694-MS1) | Sou | rce: 16G153 | 6-02 | Prepared & | Analyzed: | 07/20/16 | | | | |
| Silica | 12.3 | 1.0 | mg/L | 5.00 | 9.91 | 48.5 | 80-120 | | | QM-05 |
| Matrix Spike Dup (AG63694-MSD1) | Sou | rce: 16G153 | 6-02 | Prepared & | Analyzed: | 07/20/16 | | | | |
| Silica | 12.4 | 1.0 | mg/L | 5.00 | 9.91 | 50.8 | 80-120 | 0.932 | 20 | QM-05 |
| Batch AG63705 - General Preparation | | | | | | | | | | |
| Blank (AG63705-BLK1) | | | | Prepared: (| 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:08 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|----------|---------------------------------------|------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63705 - General Preparation | | | | | | | | | | |
| Duplicate (AG63705-DUP1) | Sou | rce: 16G151 | 8-01 | Prepared: (| 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Total Suspended Solids | 255 | 1.0 | mg/L | | 259 | | | 1.44 | 30 | |
| Duplicate (AG63705-DUP2) | Sou | rce: 16G152 | 21-03 | Prepared: (|)7/20/16 A | nalyzed: 07 | /25/16 | | | |
| Total Suspended Solids | 217 | 1.0 | mg/L | | 250 | | | 14.2 | 30 | |
| Batch AG63711 - General Preparation | | | | | | | | | | |
| Blank (AG63711-BLK1) | | | | Prepared: (| 07/22/16 A | nalyzed: 07 | /25/16 | | | |
| Volatile Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63711-DUP1) | Sou | rce: 16G151 | 18-01 | Prepared: (|)7/22/16 A | nalyzed: 07 | /25/16 | | | |
| Volatile Suspended Solids | 230 | 1.0 | mg/L | | 236 | | | 2.70 | 30 | |
| Duplicate (AG63711-DUP2) | Sou | rce: 16G152 | 21-03 | Prepared: 07/22/16 Analyzed: 07/25/16 | | | /25/16 | | | |
| Volatile Suspended Solids | 193 | 1.0 | mg/L | | 222 | | | 14.0 | 30 | |
| Batch AG63734 - General Preparation | | | | | | | | | | |
| Duplicate (AG63734-DUP1) | Sou | rce: 16G159 | 99-01 | Prepared & | Analyzed: | 07/19/16 | | | | |
| Specific Conductance (EC) | 645 | 20 | umhos/cm | | 646 | | | 0.155 | 5 | |
| Batch AG63763 - General Preparation | | | | | | | | | | |
| Blank (AG63763-BLK1) | | | | Prepared: (| 07/21/16 A | nalyzed: 07 | /26/16 | | | |
| Total Dissolved Solids | ND | 10 | mg/L | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:08 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|--------------|-------|-------------|------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63763 - General Preparation | | | | | | | | | | |
| Duplicate (AG63763-DUP1) | Sou | rce: 16G154 | 5-01 | Prepared: 0 | 07/21/16 A | nalyzed: 07 | /26/16 | | | |
| Total Dissolved Solids | 332 | 10 | mg/L | | 375 | | | 12.1 | 15 | |
| Batch AG63801 - General Preparation | | | | | | | | | | |
| Duplicate (AG63801-DUP1) | Sou | rce: 16G184 | 1-01 | Prepared & | Analyzed: | 07/26/16 | | | | |
| Bicarbonate | 17.1 | 5.0 | mg/L | | 17.1 | | | 0.00 | 20 | |
| Bicarbonate Alkalinity as CaCO3 | 14.0 | 5.0 | mg/L | | 14.0 | | | 0.00 | 20 | |
| Total Alkalinity as CaCO3 | 14.0 | 5.0 | mg/L | | 14.0 | | | 0.00 | 20 | |
| Hydroxide Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Carbonate Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Batch AG63867 - General Preparation | | | | | | | | | | |
| Blank (AG63867-BLK1) | | | | Prepared: 0 | 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| Blank (AG63867-BLK2) | | | | Prepared: 0 | 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| LCS (AG63867-BS1) | | | | Prepared: 0 | 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Biochemical Oxygen Demand | 212 | 5.0 | mg/L | 200 | | 106 | 84-115 | | | |
| Duplicate (AG63867-DUP1) | Sou | rce: 16G1524 | 4-03 | Prepared: 0 | 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Biochemical Oxygen Demand | 210 | 5.0 | mg/L | | 221 | | | 5.10 | 30 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:08 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|-------------|-------|-------------|-------------|-------------|---------|------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63879 - General Prep | | | | | | | | | | |
| LCS (AG63879-BS1) | | | | Prepared & | Analyzed: | 07/26/16 | | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | | | |
| LCS Dup (AG63879-BSD1) | | | | Prepared & | Analyzed: | 07/26/16 | | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | 0.00 | 20 | |
| Matrix Spike (AG63879-MS1) | Sou | rce: 16G152 | 1-01 | Prepared: (| 07/27/16 A | nalyzed: 07 | //28/16 | | | |
| Total Kjeldahl Nitrogen | 93.2 | 1.0 | mg/L | 22.6 | 53.9 | 173 | 75-125 | | | QM-4X |
| Matrix Spike Dup (AG63879-MSD1) | Sou | rce: 16G152 | 1-01 | Prepared: (| 07/27/16 A | nalyzed: 07 | //28/16 | | | |
| Total Kjeldahl Nitrogen | 93.2 | 1.0 | mg/L | 22.6 | 53.9 | 173 | 75-125 | 0.00 | 20 | QM-4X |
| Batch AG63917 - Metals Digest | | | | | | | | | | |
| Blank (AG63917-BLK1) | | | | Prepared: (| 07/26/16 A | nalyzed: 07 | //29/16 | | | |
| Hardness, Total | ND | 5 | mg/L | | | | | | | |
| Duplicate (AG63917-DUP1) | Sou | rce: 16G153 | 0-08 | Prepared: (| 07/26/16 A | nalyzed: 07 | //29/16 | | | |
| Hardness, Total | 454 | 5 | mg/L | | 438 | | | 3.52 | 20 | |
| Batch AG63991 - General Prep | | | | | | | | | | |
| Blank (AG63991-BLK1) | | | | Prepared & | Analyzed: | 07/28/16 | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | | | | | | |
| LCS (AG63991-BS1) | | | | Prepared & | a Analyzed: | 07/28/16 | | | | |
| Phosphorus, total | 0.192 | 0.040 | mg/L | 0.200 | | 95.9 | 85-115 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:08 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|-------|------------|-----------|----------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63991 - General Prep | | | | | | | | | | |
| Duplicate (AG63991-DUP1) | Sou | rce: 16G151 | 8-01 | Prepared & | Analyzed: | 07/28/16 | | | | |
| Phosphorus, total | 7.50 | 2.0 | mg/L | | 7.57 | | | 0.889 | 20 | |
| Matrix Spike (AG63991-MS1) | Sou | rce: 16G151 | 8-01 | Prepared & | Analyzed: | 07/28/16 | | | | |
| Phosphorus, total | 8.78 | 2.0 | mg/L | 2.00 | 7.57 | 60.6 | 70-130 | | | QM-4X |
| Matrix Spike Dup (AG63991-MSD1) | Sou | rce: 16G151 | 8-01 | Prepared & | Analyzed: | 07/28/16 | | | | |
| Phosphorus, total | 8.78 | 2.0 | mg/L | 2.00 | 7.57 | 60.6 | 70-130 | 0.00 | 20 | QM-4X |
| Batch AG64041 - General Preparation | | | | | | | | | | |
| Blank (AG64041-BLK1) | | | | Prepared & | Analyzed: | 07/29/16 | | | | |
| Ammonia as NH3 | ND | 0.50 | mg/L | | | | | | | |
| LCS (AG64041-BS1) | | | | Prepared & | Analyzed: | 07/29/16 | | | | |
| Ammonia as NH3 | 5.96 | 0.50 | mg/L | 6.10 | | 97.7 | 90-110 | | | |
| LCS Dup (AG64041-BSD1) | | | | Prepared & | Analyzed: | 07/29/16 | | | | |
| Ammonia as NH3 | 5.85 | 0.50 | mg/L | 6.10 | | 96.0 | 90-110 | 1.81 | 10 | |
| Matrix Spike (AG64041-MS1) | Sou | rce: 16G163 | 6-02 | Prepared & | Analyzed: | 07/29/16 | | | | |
| Ammonia as NH3 | 12.3 | 0.50 | mg/L | 12.2 | ND | 101 | 85-115 | | | |
| Matrix Spike Dup (AG64041-MSD1) | Sou | rce: 16G163 | 6-02 | Prepared & | Analyzed: | 07/29/16 | | | | |
| Ammonia as NH3 | 11.9 | 0.50 | mg/L | 12.2 | ND | 97.7 | 85-115 | 3.51 | 20 | |



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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 | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:08 |

Anions by EPA Method 300.0 - Quality Control

| Analyta(c) | Pecult | Reporting | Unite | Spike Level | Source | %PEC | %REC | רוקק | RPD Limit | Flag |
|-------------------------------------|--------|---------------|-------------|----------------|-----------|----------|--------|-------|--------------|------|
| Allalyte(s) | Kesuit | Liiiit | Units | Level | Kesuit | 70KEC | Linits | KFD | Liiiit | Tiug |
| Batch AG63645 - General Preparation | | | | | | | | | | |
| Blank (AG63645-BLK1) | | | | Prepared & | Analyzed: | 07/19/16 | | | | |
| Chloride | ND | 0.50 | mg/L | | | | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | | | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | | | | | | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | | | | | | |
| LCS (AG63645-BS1) | | | | Prepared & | Analyzed: | 07/19/16 | | | | |
| Nitrite as N | 5.58 | 0.20 | mg/L | 5.56 | | 100 | 90-110 | | | |
| Chloride | 11.5 | 0.50 | mg/L | 11.1 | | 103 | 90-110 | | | |
| Nitrite as NO2 | 18.3 | 1.0 | mg/L | 18.2 | | 101 | 90-110 | | | |
| Nitrate as N | 5.86 | 0.20 | mg/L | 5.56 | | 106 | 90-110 | | | |
| Nitrate as NO3 | 26 | 1.0 | mg/L | 24.7 | | 105 | 90-110 | | | |
| Sulfate as SO4 | 22.9 | 0.50 | mg/L | 22.2 | | 103 | 90-110 | | | |
| Duplicate (AG63645-DUP1) | So | urce: 16G1539 | ∋-01 | Prepared & | Analyzed: | 07/19/16 | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Chloride | 1.77 | 0.50 | mg/L | | 1.81 | | | 2.46 | 20 | |
| Nitrate as N | 0.518 | 0.20 | mg/L | | 0.520 | | | 0.435 | 20 | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | ND | | | 5.82 | 20 | |
| Nitrate as NO3 | 2.3 | 1.0 | mg/L | | 2.3 | | | 0.435 | 20 | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Matrix Spike (AG63645-MS1) | So | urce: 16G153 | 9-01 | Prepared & | Analyzed: | 07/19/16 | | | | |
| Sulfate as SO4 | 23.6 | 0.50 | mg/L | 22.2 | ND | 105 | 80-120 | | | |
| Chloride | 13.4 | 0.50 | mg/L | 11.1 | 1.81 | 104 | 80-120 | | | |
| Nitrite as N | 5.62 | 0.20 | mg/L | 5.56 | ND | 101 | 80-120 | | | |
| Nitrite as NO2 | 18.5 | 1.0 | mg/L | 18.2 | ND | 101 | 80-120 | | | |
| Nitrate as N | 6.47 | 0.20 | mg/L | 5.56 | 0.520 | 107 | 80-120 | | | |
| Nitrate as NO3 | 29 | 1.0 | mg/L | 24.7 | 2.3 | 107 | 80-120 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:08 |

Anions by EPA Method 300.0 - Quality Control

| Analyte(s) | Result | Reporting Limit | Units | Spike Level | Source Result | %RFC | %REC | RPD | RPD Limit | Flag |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|----------|--------|-------|--------------|------|
| Batch AG63645 - General Prenaration | Result | Linit | Onto | Lever | Result | Juite | Linits | IU D | Linit | |
| Matrix Spike Dup (AG63645-MSD1) | Sour | ce: 16G153 | 9-01 | Prepared & | Analyzed: | 07/19/16 | | | | |
| Chloride | 13.3 | 0.50 | mg/L | 11.1 | 1.81 | 104 | 80-120 | 0.433 | 20 | |
| Nitrite as NO2 | 18.3 | 1.0 | mg/L | 18.2 | ND | 101 | 80-120 | 0.834 | 20 | |
| Nitrate as N | 6.44 | 0.20 | mg/L | 5.56 | 0.520 | 107 | 80-120 | 0.493 | 20 | |
| Sulfate as SO4 | 23.5 | 0.50 | mg/L | 22.2 | ND | 104 | 80-120 | 0.750 | 20 | |
| Nitrate as NO3 | 29 | 1.0 | mg/L | 24.7 | 2.3 | 106 | 80-120 | 0.493 | 20 | |
| Nitrite as N | 5.57 | 0.20 | mg/L | 5.56 | ND | 100 | 80-120 | 0.834 | 20 | |



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e-mail: clientservices@alpha-labs.com

| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/02/16 16:08 |

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-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.
- 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

| Alpha Analytica www.alpha-l Waters, Sedime | Laboratories Inc. 205.COM HTS, SOLIDS | 639 | Ci 208 Mas 707-46 cilents 8 Doughe 925-82 | '} onport on Sin 68-040 ervice lay An ity Ro: 28-622 | ate La eet, L 11 F) is@al ea La ad, #X 16 F) | abora ikiah, 707-4 pha-1 borat 35, Du 925-8 | (ory CA 9: 68-52 abs.c ory Iblin, (28-63 | 5482 67 om CA 9- | ' 4568 | | 90 | 090 (| : Uniol 9 | Cer n Pa 16-6 | ntral rk Wy 86-51 | V <i>alle</i> , y., #1 190 F | y Lat 13, E 916 | borati ik Gri -686- | ory ove, C •5192 | X 95 | 624 | C Lab | ≿h ∾ | ai i [(] | n c | W of | ork Cu | sto sto |)rd od | ler y F | Rec | corc | l , | ς. | , 8 | |
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| Project Contact & E John Simonetti isimonetti@wes: | mail (Hardcopy or PDF | to): | PO | ¥ | | | - | | | | | | | | | e, Mn, Z | sn | | 22, NO3 | ø | ation | | | | | | | | | | | | d.For Rus | | | |
| Phone/Fax: | | | Site Con | ntact: | 5: | M | | eTi | -1 | | | | | | | Na, AI, F | sphor | | EC, NC | trbonat | Calcul | | | | | | 6-00 | | | 0 | | Approval Required | I Require | : | | |
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| West Bay Sanitary District | | | | W | Q | Mo | oni | ito | rin | g | | | | | | | | Án | ialys | sis R | lequ | est | | | | | Sample Notes | TAT |
| Mailing Address: 500 Laurel Street Menio Park, CA 94025 | | Project h | 10: | | | | - | | | | | | | | | .5 | | | | Γ | , _ | <u> </u> | Γ_ | <u> </u> | | | | 24 hr |
| Project Contact & Email (Hardcopy or PDF to John Simonetti isimonetti@westbaysanitary.org |) ; | PO# | # | | | | | | | | | | | | | Fe, Mn, 2 | SU | | 02, NO | lte | lation | | | | | | | |
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Sheri Speaks <speaks78@gmail.com>

Fwd: Scanned Doc - 2FL Scanner 07/19/2016 09:07 1 message

Robbie Phillips <robbie@alpha-labs.com> To: Sheri Speaks <speaks78@gmail.com> Tue, Jul 19, 2016 at 10:16 AM

Robbie C. Phillips 650-464-3237

Begin forwarded message:

From: Jed Beyer <JBeyer@westbaysanitary.org> Date: July 19, 2016 at 10:11:49 PDT To: "robbie@alpha-labs.com" <robbie@alpha-labs.com> Subject: FW: Scanned Doc - 2FL Scanner 07/19/2016 09:07

Hi Robbie,

We had to amend some dates. Please see the attached forms.

Thank you,

Jed

-----Original Message-----From: 2FL-Scanner [mailto:it@westbaysanitary.org] Sent: Tuesday, July 19, 2016 9:07 AM To: Jed Beyer Subject: Scanned Doc - 2FL Scanner 07/19/2016 09:07

Scanned from MFP11330137 Date:07/19/2016 09:07 Pages:2 Resolution:200x200 DPI

https://mail.google.com/mail/u/0/?ui=2&ik=923a9ff182&view=p... 7/19/2016



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ELAP Certificates 1551, 2728, and 2922

03 August 2016

West Bay Sanitary District Attn: John Simonetti 500 Laurel Street Menlo Park, CA 94025 RE: WQ Monitoring Work Order: 16G1633

Enclosed are the results of analyses for samples received by the laboratory on 07/19/16 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Popli

Jeanette L. Poplin For Robbie C. Phillips Project Manager



e-mail: clientservices @alpha-labs.com

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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/03/16 11:11 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| G13104 / 071816A | 16G1633-01 | Water | 07/19/16 09:00 | 07/19/16 21:00 |
| G13220 / 071816B | 16G1633-02 | Water | 07/19/16 09:25 | 07/19/16 21:00 |
| G13223 / 071816C | 16G1633-03 | Water | 07/19/16 08:30 | 07/19/16 21:00 |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Pro | Project Manager: John Simonetti Project: WQ Monitoring Project Number: [none] | | | | | | | | | |
|---|---------------|---|----------|---------|----------------|-------------------|---------------|------|--|--|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | | |
| G13104 / 071816A (16G1633-01) | | Sample Type: | Water | | Sample | d: 07/19/16 09:00 | | | | | |
| Metals (Drinking Water) by EPA 200 Series N | lethods | | | | | | | | | | |
| Potassium | 16 mg/L | 1.0 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:30 | EPA 200.7 | | | | |
| Metals by EPA 200 Series Methods | | | | | | | | | | | |
| Aluminum | 0.29 mg/L | 0.050 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:30 | EPA 200.7 | | | | |
| Boron | 0.20 mg/L | 0.050 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:30 | EPA 200.7 | | | | |
| Calcium | 14 mg/L | 1.0 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:30 | EPA 200.7 | | | | |
| Iron | 0.90 mg/L | 0.10 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:30 | EPA 200.7 | | | | |
| Magnesium | 4.9 mg/L | 1.0 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:30 | EPA 200.7 | | | | |
| Manganese | 0.065 mg/L | 0.020 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:30 | EPA 200.7 | | | | |
| Sodium | 46 mg/L | 1.0 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:30 | EPA 200.7 | | | | |
| Zinc | 0.13 mg/L | 0.020 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:30 | EPA 200.7 | | | | |
| Conventional Chemistry Parameters by APH | A/EPA Methods | | | | | | | | | | |
| Ammonia as NH3 | 48 mg/L | 0.50 | 1 | AG64041 | 07/29/16 08:13 | 07/29/16 17:00 | SM4500NH3C | | | | |
| Bicarbonate | 240 mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | | | | |
| Biochemical Oxygen Demand | 160 mg/L | 5.0 | 1 | AG63867 | 07/20/16 11:00 | 07/25/16 12:00 | SM5210B | | | | |
| рН | 7.39 pH Uni | its 1.68 | 1 | AG63731 | 07/19/16 18:40 | 07/19/16 18:40 | SM4500-H+ B | T-1 | | | |
| Specific Conductance (EC) | 700 umhos/ | /cm 20 | 1 | AG63799 | 07/20/16 16:00 | 07/20/16 17:00 | SM2510B | | | | |
| Total Dissolved Solids | 290 mg/L | 10 | 1 | AG63844 | 07/26/16 09:30 | 07/28/16 16:25 | SM2540C | | | | |
| Total Suspended Solids | 110 mg/L | 1.0 | 1 | AG63705 | 07/20/16 09:55 | 07/25/16 09:37 | SM2540D | | | | |
| Volatile Suspended Solids | 100 mg/L | 1.0 | 1 | AG63711 | 07/22/16 10:00 | 07/25/16 16:30 | EPA 160.4 | | | | |
| Silica | 14 mg/L | 5.0 | 5 | AG63835 | 07/25/16 09:00 | 07/25/16 12:00 | SM4500-SiO2 C | | | | |
| Bicarbonate Alkalinity as CaCO3 | 200 mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | | | | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | | | | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | | | | |
| Total Alkalinity as CaCO3 | 200 mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | | | | |
| Total Kjeldahl Nitrogen | 47 mg/L | 1.0 | 1 | AG63879 | 07/28/16 06:16 | 07/29/16 10:28 | SM4500-Norg B | | | | |
| Total Nitrogen | 47 mg/L | 1.0 | 1 | AG63717 | 07/20/16 12:32 | 08/01/16 08:31 | SM4500-N | | | | |
| Hardness, Total | 56 mg/L | 5 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:30 | SM2340B | | | | |
| Phosphorus, total | 5.8 mg/L | 0.80 | 2 | AG64038 | 07/29/16 08:20 | 07/29/16 11:10 | SM4500-P E | | | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj | ect Manager: Joł Project: WC ject Number: [no | 08/(| Reported: 03/16 11:11 | | | | |
|---|---------------|---|----------|--------------------------|----------------|-------------------|-----------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13104 / 071816A (16G1633-01) | | Sample Type: | : Water | | Sample | | | |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.79 NA | | 1 | AG63976 | 07/27/16 13:04 | 08/03/16 06:17 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 45 mg/L | 5.0 | 10 | AG63687 | 07/20/16 14:25 | 07/20/16 14:25 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63687 | 07/20/16 15:13 | 07/20/16 15:13 | EPA 300.0 | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63687 | 07/20/16 15:13 | 07/20/16 15:13 | EPA 300.0 | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63687 | 07/20/16 15:13 | 07/20/16 15:13 | EPA 300.0 | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63687 | 07/20/16 15:13 | 07/20/16 15:13 | EPA 300.0 | |
| Sulfate as SO4 | 28 mg/L | 0.50 | 1 | AG63687 | 07/20/16 15:13 | 07/20/16 15:13 | EPA 300.0 | |
| G13220 / 071816B (16G1633-02) | | Sample Type: | : Water | | Sample | d: 07/19/16 09:25 | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | |
| Potassium | 18 mg/L | 1.0 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:34 | EPA 200.7 | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 0.65 mg/L | 0.050 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:34 | EPA 200.7 | |
| Boron | 0.21 mg/L | 0.050 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:34 | EPA 200.7 | |
| Calcium | 22 mg/L | 1.0 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:34 | EPA 200.7 | |
| Iron | 1.9 mg/L | 0.10 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:34 | EPA 200.7 | |
| Magnesium | 12 mg/L | 1.0 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:34 | EPA 200.7 | |
| Manganese | 0.056 mg/L | 0.020 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:34 | EPA 200.7 | |
| Sodium | 57 mg/L | 1.0 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:34 | EPA 200.7 | |
| Zinc | 0.24 mg/L | 0.020 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:34 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | y Sanitary District Project Manager: John Simonetti rel Street Project: WQ Monitoring ark, CA 94025 Project Number: [none] | | | | | | | | |
|---|--|-----------------|----------|---------|----------------|-------------------|---------------|------|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | |
| G13220 / 071816B (16G1633-02) | | Sample Type | : Water | | Sample | d: 07/19/16 09:25 | | | |
| Conventional Chemistry Parameters by APHA | /EPA Methods | | | | _ | | | | |
| Ammonia as NH3 | 60 mg | /L 0.50 | 1 | AG64041 | 07/29/16 08:13 | 07/29/16 17:00 | SM4500NH3C | | |
| Bicarbonate | 290 mg | /L 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | | |
| Biochemical Oxygen Demand | 430 mg | /L 5.0 | 1 | AG63867 | 07/20/16 11:00 | 07/25/16 12:00 | SM5210B | | |
| рН | 7.45 рН | Units 1.68 | 1 | AG63731 | 07/19/16 18:40 | 07/19/16 18:40 | SM4500-H+ B | T-14 | |
| Specific Conductance (EC) | 840 um | hos/cm 20 | 1 | AG63799 | 07/20/16 16:00 | 07/20/16 17:00 | SM2510B | | |
| Total Dissolved Solids | 360 mg | /L 10 | 1 | AG63844 | 07/26/16 09:30 | 07/28/16 16:25 | SM2540C | | |
| Total Suspended Solids | 520 mg | /L 1.0 | 1 | AG63705 | 07/20/16 09:55 | 07/25/16 09:37 | SM2540D | | |
| Volatile Suspended Solids | 490 mg | /L 1.0 | 1 | AG63711 | 07/22/16 10:00 | 07/25/16 16:30 | EPA 160.4 | | |
| Silica | 16 mg | /L 5.0 | 5 | AG63835 | 07/25/16 09:00 | 07/25/16 12:00 | SM4500-SiO2 C | | |
| Bicarbonate Alkalinity as CaCO3 | 240 mg | /L 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | | |
| Carbonate Alkalinity as CaCO3 | ND mg | /L 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | | |
| Hydroxide Alkalinity as CaCO3 | ND mg | /L 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | | |
| Total Alkalinity as CaCO3 | 240 mg | /L 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | | |
| Total Kjeldahl Nitrogen | 76 mg | /L 1.0 | 1 | AG63879 | 07/28/16 06:16 | 07/29/16 10:28 | SM4500-Norg B | | |
| Total Nitrogen | 76 mg | /L 1.0 | 1 | AG63717 | 07/20/16 12:32 | 08/01/16 08:31 | SM4500-N | | |
| Hardness, Total | 103 mg | /L 5 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:34 | SM2340B | | |
| Phosphorus, total | 12 mg | /L 2.0 | 5 | AG64038 | 07/29/16 08:20 | 07/29/16 11:10 | SM4500-P E | | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.70 NA | | 1 | AG63976 | 07/27/16 13:04 | 08/03/16 06:17 | SAR | | |
| Anions by EPA Method 300.0 | | | | | | | | | |
| Chloride | 58 mg | /L 10 | 20 | AG63687 | 07/20/16 16:50 | 07/20/16 16:50 | EPA 300.0 | | |
| Nitrate as N | ND mg | /L 0.20 | 1 | AG63687 | 07/20/16 17:06 | 07/20/16 17:06 | EPA 300.0 | | |
| Nitrate as NO3 | ND mg | /L 1.0 | 1 | AG63687 | 07/20/16 17:06 | 07/20/16 17:06 | EPA 300.0 | | |
| Nitrite as N | ND mg | /L 0.20 | 1 | AG63687 | 07/20/16 17:06 | 07/20/16 17:06 | EPA 300.0 | | |
| Nitrite as NO2 | ND mg | /L 1.0 | 1 | AG63687 | 07/20/16 17:06 | 07/20/16 17:06 | EPA 300.0 | | |
| Sulfate as SO4 | 50 mg | /L 10 | 20 | AG63687 | 07/20/16 16:50 | 07/20/16 16:50 | EPA 300.0 | | |
| G13223 / 071816C (16G1633-03) | | Sample Type | : Water | | Sample | d: 07/19/16 08:30 | | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | |
| Potassium | 19 mg | /L 1.0 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:54 | EPA 200.7 | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | West Bay Sanitary DistrictProject Manager: John Simonetti500 Laurel StreetProject: WQ MonitoringMenlo Park, CA 94025Project Number: [none] | | | | | | | | |
|---|--|-----------------|----------|---------|----------------|-------------------|---------------|------|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | |
| G13223 / 071816C (16G1633-03) | | Sample Type | : Water | | Sample | d: 07/19/16 08:30 | | | |
| Metals by EPA 200 Series Methods | | | | | - | | | | |
| Aluminum | 0.58 mg/L | 0.050 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:54 | EPA 200.7 | | |
| Boron | 0.19 mg/L | 0.050 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:54 | EPA 200.7 | | |
| Calcium | 19 mg/L | 1.0 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:54 | EPA 200.7 | | |
| Iron | 1.4 mg/L | 0.10 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:54 | EPA 200.7 | | |
| Magnesium | 12 mg/L | 1.0 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:54 | EPA 200.7 | | |
| Manganese | 0.059 mg/L | 0.020 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:54 | EPA 200.7 | | |
| Sodium | 62 mg/L | 1.0 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:54 | EPA 200.7 | | |
| Zinc | 0.21 mg/L | 0.020 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:54 | EPA 200.7 | | |
| Conventional Chemistry Parameters by APH | A/EPA Methods | | | | | | | | |
| Ammonia as NH3 | 56 mg/L | 0.50 | 1 | AG64041 | 07/29/16 08:13 | 07/29/16 17:00 | SM4500NH3C | | |
| Bicarbonate | 310 mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | | |
| Biochemical Oxygen Demand | 330 mg/L | 5.0 | 1 | AG63867 | 07/20/16 11:00 | 07/25/16 12:00 | SM5210B | | |
| рН | 7.42 nH Unit | s 1.68 | 1 | AG63731 | 07/19/16 18:40 | 07/19/16 18:40 | SM4500-H+ B | T-14 | |
| Specific Conductance (EC) | 900 umhos/c | | 1 | AG63799 | 07/20/16 16:00 | 07/20/16 17:00 | SM2510B | | |
| Total Dissolved Solids | 390 mg/L | | 1 | AG63844 | 07/26/16 09:30 | 07/28/16 16:25 | SM2540C | | |
| Total Suspended Solids | 350 mg/L | 1.0 | 1 | AG63705 | 07/20/16 09:55 | 07/25/16 09:37 | SM2540D | | |
| Volatile Suspended Solids | 310 mg/L | 1.0 | 1 | AG63711 | 07/22/16 10:00 | 07/25/16 16:30 | EPA 160.4 | | |
| Silica | 17 mg/L | 5.0 | 5 | AG63835 | 07/25/16 09:00 | 07/25/16 12:00 | SM4500-SiO2 C | | |
| Bicarbonate Alkalinity as CaCO3 | 260 mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | | |
| Total Alkalinity as CaCO3 | 260 mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | | |
| Total Kjeldahl Nitrogen | 64 mg/L | 1.0 | 1 | AG63879 | 07/28/16 06:16 | 07/29/16 10:28 | SM4500-Norg B | | |
| Total Nitrogen | 64 mg/L | 1.0 | 1 | AG63717 | 07/20/16 12:32 | 08/01/16 08:31 | SM4500-N | | |
| Hardness, Total | 97 mg/L | 5 | 1 | AG63976 | 07/27/16 13:04 | 08/01/16 16:54 | SM2340B | | |
| Phosphorus, total | 8.9 mg/L | 0.80 | 2 | AG64038 | 07/29/16 08:20 | 07/29/16 11:10 | SM4500-P E | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj Pro | F 08/03 | Reported: /16 11:11 | | | | | | |
|---|---------------|-----------------|------------------------|---------|----------------|-------------------------|-----------|------|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | |
| G13223 / 071816C (16G1633-03) | | Sample Type: | Water | | Sample | Sampled: 07/19/16 08:30 | | | |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.96 NA | | 1 | AG63976 | 07/27/16 13:04 | 08/03/16 06:17 | SAR | | |
| Anions by EPA Method 300.0 | | | | | | | | | |
| Chloride | 65 mg/L | 10 | 20 | AG63687 | 07/20/16 17:22 | 07/20/16 17:22 | EPA 300.0 | | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63687 | 07/20/16 17:38 | 07/20/16 17:38 | EPA 300.0 | | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63687 | 07/20/16 17:38 | 07/20/16 17:38 | EPA 300.0 | | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63687 | 07/20/16 17:38 | 07/20/16 17:38 | EPA 300.0 | | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63687 | 07/20/16 17:38 | 07/20/16 17:38 | EPA 300.0 | | |
| Sulfate as SO4 | 57 mg/L | 10 | 20 | AG63687 | 07/20/16 17:22 | 07/20/16 17:22 | EPA 300 0 | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/03/16 11:11 |

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

| Analyta(a) | Degult | Reporting | Linita | Spike | Source | 0/DEC | %REC | DDD | RPD Limit | Flag |
|---------------------------------|--------|--------------|--------|---------------------------------------|------------|-------------|--------|-------|--------------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63976 - Metals Digest | | | | | | | | | | |
| Blank (AG63976-BLK1) | | | | Prepared: (| 07/27/16 A | nalyzed: 08 | /01/16 | | | |
| Potassium | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG63976-BS1) | | | | Prepared: (|)7/27/16 A | nalyzed: 08 | /01/16 | | | |
| Potassium | 7.28 | 1.0 | mg/L | 8.00 | | 91.0 | 85-115 | | | |
| Duplicate (AG63976-DUP1) | Sou | rce: 16G1562 | 2-01 | Prepared: 07/27/16 Analyzed: 08/01/16 | | | | | | |
| Potassium | 1.46 | 1.0 | mg/L | | 1.51 | | | 3.12 | 20 | |
| Matrix Spike (AG63976-MS1) | Sou | rce: 16G1562 | 2-01 | Prepared: 07/27/16 Analyzed: 08/01/16 | | | | | | |
| Potassium | 8.65 | 1.0 | mg/L | 8.00 | 1.51 | 89.2 | 70-130 | | | |
| Matrix Spike (AG63976-MS2) | Sou | rce: 16G1657 | 7-01 | Prepared: (|)7/27/16 A | nalyzed: 08 | /01/16 | | | |
| Potassium | 9.02 | 1.0 | mg/L | 8.00 | 1.45 | 94.6 | 70-130 | | | |
| Matrix Spike Dup (AG63976-MSD1) | Sou | rce: 16G1562 | 2-01 | Prepared: (|)7/27/16 A | nalyzed: 08 | /01/16 | | | |
| Potassium | 8.56 | 1.0 | mg/L | 8.00 | 1.51 | 88.2 | 70-130 | 0.976 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/03/16 11:11 |

Metals by EPA 200 Series Methods - Quality Control

| Δ nalyte(s) | Result | Reporting | Unite | Spike Level | Source | %REC | %REC | RPD | RPD Limit | Flag |
|-------------------------------|--------|----------------|-------|----------------|------------|-------------|---------|------|--------------|------|
| Analyte(S) | Kesuit | Liiiit | Onits | Level | Kesuit | /0KEC | Lillins | ΜD | Liiiit | Tiug |
| Batch AG63976 - Metals Digest | | | | | | | | | | |
| Blank (AG63976-BLK1) | | | | Prepared: 0 | 7/27/16 An | alyzed: 08/ | /01/16 | | | |
| 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 (AG63976-BS1) | | | | Prepared: 0 | 7/27/16 An | alyzed: 08/ | /01/16 | | | |
| Aluminum | 1.89 | 0.050 | mg/L | 2.00 | | 94.4 | 85-115 | | | |
| Boron | 0.389 | 0.050 | mg/L | 0.400 | | 97.3 | 85-115 | | | |
| Calcium | 7.45 | 1.0 | mg/L | 8.00 | | 93.2 | 85-115 | | | |
| Iron | 1.95 | 0.10 | mg/L | 2.00 | | 97.5 | 85-115 | | | |
| Magnesium | 7.71 | 1.0 | mg/L | 8.00 | | 96.4 | 85-115 | | | |
| Manganese | 0.194 | 0.020 | mg/L | 0.200 | | 96.8 | 85-115 | | | |
| Sodium | 7.99 | 1.0 | mg/L | 8.00 | | 99.9 | 85-115 | | | |
| Zinc | 0.202 | 0.020 | mg/L | 0.200 | | 101 | 85-115 | | | |
| Duplicate (AG63976-DUP1) | Sc | ource: 16G1562 | 2-01 | Prepared: 0 | 7/27/16 An | alyzed: 08/ | /01/16 | | | |
| Aluminum | ND | 0.050 | mg/L | | ND | | | 5.07 | 20 | |
| Boron | 0.0812 | 0.050 | mg/L | | 0.0850 | | | 4.55 | 20 | |
| Calcium | 75.0 | 1.0 | mg/L | | 78.6 | | | 4.70 | 20 | |
| Iron | ND | 0.10 | mg/L | | 0.101 | | | 6.43 | 20 | |
| Magnesium | 19.7 | 1.0 | mg/L | | 21.0 | | | 6.32 | 20 | |
| Manganese | ND | 0.020 | mg/L | | ND | | | 9.82 | 20 | |
| Sodium | 19.2 | 1.0 | mg/L | | 20.2 | | | 4.87 | 20 | |
| Zinc | ND | 0.020 | mg/L | | ND | | | | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/03/16 11:11 |

Metals by EPA 200 Series Methods - Quality Control

| | Reporting | | | Spike | Source | | %REC | RPD | | 71 |
|---------------------------------|--------------------|-------|-------------------------------------|---------------------------------------|--------|--------|-----------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63976 - Metals Digest | | | | | | | | | | |
| Matrix Spike (AG63976-MS1) | Source: 16G1562-01 | | | Prepared: 07/27/16 Analyzed: 08/01/16 | | | | | | |
| Aluminum | 1.93 | 0.050 | mg/L | 2.00 | ND | 94.8 | 70-130 | | | |
| Boron | 0.447 | 0.050 | mg/L | 0.400 | 0.0850 | 90.4 | 70-130 | | | |
| Calcium | 88.9 | 1.0 | mg/L | 8.00 | 78.6 | 128 | 70-130 | | | |
| Iron | 2.01 | 0.10 | mg/L | 2.00 | 0.101 | 95.6 | 70-130 | | | |
| Magnesium | 28.7 | 1.0 | mg/L | 8.00 | 21.0 | 95.8 | 70-130 | | | |
| Manganese | 0.195 | 0.020 | mg/L | 0.200 | ND | 95.4 | 70-130 | | | |
| Sodium | 29.1 | 1.0 | mg/L | 8.00 | 20.2 | 112 | 70-130 | | | |
| Zinc | 0.196 | 0.020 | mg/L | 0.200 | ND | 98.0 | 70-130 | | | |
| | - | | | ~ | | | 10 4 14 5 | | | |
| Matrix Spike (AG63976-MS2) | Source: 16G1657-01 | | Prepared: 0//2//16 Analyzed: 08/01/ | | | /01/16 | | | | |
| Aluminum | 1.97 | 0.050 | mg/L | 2.00 | ND | 96.9 | 70-130 | | | |
| Boron | 0.561 | 0.050 | mg/L | 0.400 | 0.186 | 93.7 | 70-130 | | | |
| Calcium | 93.5 | 1.0 | mg/L | 8.00 | 84.1 | 118 | 70-130 | | | |
| Iron | 1.96 | 0.10 | mg/L | 2.00 | ND | 96.1 | 70-130 | | | |
| Magnesium | 78.3 | 1.0 | mg/L | 8.00 | 70.2 | 101 | 70-130 | | | |
| Manganese | 0.193 | 0.020 | mg/L | 0.200 | ND | 96.1 | 70-130 | | | |
| Sodium | 54.3 | 1.0 | mg/L | 8.00 | 45.4 | 112 | 70-130 | | | |
| Zinc | 0.192 | 0.020 | mg/L | 0.200 | ND | 96.0 | 70-130 | | | |
| Matrix Spike Dup (AG63976-MSD1) | Source: 16G1562-01 | | | Prepared: 07/27/16 Analyzed: 08/01/16 | | | | | | |
| Aluminum | 1.90 | 0.050 | mg/L | 2.00 | ND | 93.1 | 70-130 | 1.74 | 20 | |
| Boron | 0.445 | 0.050 | mg/L | 0.400 | 0.0850 | 89.9 | 70-130 | 0.400 | 20 | |
| Calcium | 83.3 | 1.0 | mg/L | 8.00 | 78.6 | 58.4 | 70-130 | 6.49 | 20 | QM-4X |
| Iron | 1.99 | 0.10 | mg/L | 2.00 | 0.101 | 94.6 | 70-130 | 1.08 | 20 | |
| Magnesium | 28.5 | 1.0 | mg/L | 8.00 | 21.0 | 94.1 | 70-130 | 0.489 | 20 | |
| Manganese | 0.192 | 0.020 | mg/L | 0.200 | ND | 93.8 | 70-130 | 1.68 | 20 | |
| Sodium | 27.3 | 1.0 | mg/L | 8.00 | 20.2 | 88.4 | 70-130 | 6.68 | 20 | |
| Zinc | 0.195 | 0.020 | mg/L | 0.200 | ND | 97.4 | 70-130 | 0.598 | 20 | |


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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/03/16 11:11 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Spike | Source | | %REC | | | | | |
|-------------------------------------|--------|-------------------------|----------|---------------------------------------|------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63705 - General Preparation | | | | | | | | | | |
| Blank (AG63705-BLK1) | | | | Prepared: (| 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63705-DUP1) | Sou | Source: 16G1518-01 Prep | | Prepared: (|)7/20/16 A | nalyzed: 07 | /25/16 | | | |
| Total Suspended Solids | 255 | 1.0 | mg/L | | 259 | | | 1.44 | 30 | |
| Duplicate (AG63705-DUP2) | Sou | rce: 16G152 | 1-03 | Prepared: 07/20/16 Analyzed: 07/25/16 | | | /25/16 | | | |
| Total Suspended Solids | 217 | 1.0 | mg/L | | 250 | | | 14.2 | 30 | |
| Batch AG63711 - General Preparation | | | | | | | | | | |
| Blank (AG63711-BLK1) | | | | Prepared: (| 07/22/16 A | nalyzed: 07 | /25/16 | | | |
| Volatile Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63711-DUP1) | Sou | rce: 16G151 | 8-01 | Prepared: (| 07/22/16 A | nalyzed: 07 | /25/16 | | | |
| Volatile Suspended Solids | 230 | 1.0 | mg/L | | 236 | | | 2.70 | 30 | |
| Duplicate (AG63711-DUP2) | Sou | rce: 16G152 | 1-03 | Prepared: (|)7/22/16 A | nalyzed: 07 | /25/16 | | | |
| Volatile Suspended Solids | 193 | 1.0 | mg/L | | 222 | | | 14.0 | 30 | |
| Batch AG63731 - General Preparation | | | | | | | | | | |
| Duplicate (AG63731-DUP1) | Sou | rce: 16G174 | 0-01 | Prepared & | Analyzed: | 07/19/16 | | | | |
| pH | 8.27 | 1.68 | pH Units | | 8.35 | | | 0.963 | 20 | |
| Batch AG63799 - General Preparation | | | | | | | | | | |
| Duplicate (AG63799-DUP1) | Sou | rce: 16G177 | 2-01 | Prepared & | Analyzed: | 07/20/16 | | | | |
| Specific Conductance (EC) | 450 | 20 | umhos/cm | | 449 | | | 0.222 | 5 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/03/16 11:11 |

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|--------------|-------|-------------------------------|-----------|----------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63802 - General Preparation | | | | | | | | | | |
| Duplicate (AG63802-DUP1) | So | urce: 16G188 | 3-01 | Prepared & | Analyzed: | 07/27/16 | | | | |
| Bicarbonate | 63.4 | 5.0 | mg/L | | 62.2 | | | 1.94 | 20 | |
| Total Alkalinity as CaCO3 | 52.0 | 5.0 | mg/L | | 51.0 | | | 1.94 | 20 | |
| Bicarbonate Alkalinity as CaCO3 | 52.0 | 5.0 | mg/L | | 51.0 | | | 1.94 | 20 | |
| Carbonate Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Hydroxide Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Batch AG63835 - General Preparation | | | | | | | | | | |
| Blank (AG63835-BLK1) | | | | Prepared & | Analyzed: | 07/25/16 | | | | |
| Silica | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG63835-BS1) | | | | Prepared & | Analyzed: | 07/25/16 | | | | |
| Silica | 9.92 | 1.0 | mg/L | 10.0 | | 99.2 | 85-115 | | | |
| LCS Dup (AG63835-BSD1) | | | | Prepared & | Analyzed: | 07/25/16 | | | | |
| Silica | 9.92 | 1.0 | mg/L | 10.0 | | 99.2 | 85-115 | 0.00 | 20 | |
| Duplicate (AG63835-DUP1) | So | urce: 16G195 | 2-03 | Prepared & | Analyzed: | 07/25/16 | | | | |
| Silica | 17.4 | 5.0 | mg/L | | 17.0 | | | 2.14 | 20 | |
| Matrix Spike (AG63835-MS1) | So | urce: 16G195 | 2-03 | Prepared & | Analyzed: | 07/25/16 | | | | |
| Silica | 42.3 | 5.0 | mg/L | 25.0 | 17.0 | 101 | 80-120 | | | |
| Matrix Snike Dun (AG63835-MSD1) | So | urce: 16G195 | 2-03 | Prenared & Analyzed: 07/25/16 | | | | | | |
| Silica | 40.8 | 5.0 | mg/L | 25.0 | 17.0 | 94.9 | 80-120 | 3.55 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/03/16 11:11 |

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|-------------|-------|-------------|------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63844 - General Preparation | | | | | | | | | | |
| Blank (AG63844-BLK1) | | | | Prepared: (| 07/26/16 A | nalyzed: 07 | /28/16 | | | |
| Total Dissolved Solids | ND | 10 | mg/L | | | | | | | |
| Duplicate (AG63844-DUP1) | Sou | rce: 16G197 | 4-01 | Prepared: (| 07/26/16 A | nalyzed: 07 | /28/16 | | | |
| Total Dissolved Solids | 353 | 10 | mg/L | | 355 | | | 0.379 | 15 | |
| Duplicate (AG63844-DUP2) | Source: 16G1833-01 | | | Prepared: (| 07/26/16 A | nalyzed: 07 | /28/16 | | | |
| Total Dissolved Solids | 158 | 10 | mg/L | | 153 | | | 3.22 | 15 | |
| Batch AG63867 - General Preparation | | | | | | | | | | |
| Blank (AG63867-BLK1) | | | | Prepared: (| 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| Blank (AG63867-BLK2) | | | | Prepared: (| 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| LCS (AG63867-BS1) | | | | Prepared: (| 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Biochemical Oxygen Demand | 212 | 5.0 | mg/L | 200 | | 106 | 84-115 | | | |
| Duplicate (AG63867-DUP1) | Sou | rce: 16G152 | 4-03 | Prepared: (|)7/20/16 A | nalyzed: 07 | /25/16 | | | |
| Biochemical Oxygen Demand | 210 | 5.0 | mg/L | | 221 | | | 5.10 | 30 | |
| Batch AG63879 - General Prep | | | | | | | | | | |
| LCS (AG63879-BS1) | | | | Prepared & | Analyzed: | 07/26/16 | | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/03/16 11:11 |

| | | Reporting | | Spike | Source | | %REC | RPD | | | | | |
|---------------------------------|-----------------------|--|-------|-------------------------------|------------|-------------|-----------------------------|------|-------|-------|--|--|--|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag | | | |
| Batch AG63879 - General Prep | | | | | | | | | | | | | |
| LCS Dup (AG63879-BSD1) | | | | Prepared & | Analyzed: | 07/26/16 | | | | | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | 0.00 | 20 | | | | |
| Matrix Spike (AG63879-MS1) | Sour | Source: 16G1521-01 Prepared: 07 | | | | | 07/27/16 Analyzed: 07/28/16 | | | | | | |
| Total Kjeldahl Nitrogen | 93.2 | 1.0 | mg/L | 22.6 | 53.9 | 173 | 75-125 | | | QM-4X | | | |
| Matrix Spike Dup (AG63879-MSD1) | Source: 16G1521-01 Pr | | | Prepared: (| 07/27/16 A | nalyzed: 07 | /28/16 | | | | | | |
| Total Kjeldahl Nitrogen | 93.2 | 1.0 | mg/L | 22.6 | 53.9 | 173 | 75-125 | 0.00 | 20 | QM-4X | | | |
| Batch AG63976 - Metals Digest | | | | | | | | | | | | | |
| Blank (AG63976-BLK1) | | | | Prepared: (| 07/27/16 A | nalyzed: 08 | | | | | | | |
| Hardness, Total | ND | 5 | mg/L | | | | | | | | | | |
| Duplicate (AG63976-DUP1) | Sour | rce: 16G156 | 2-01 | Prepared: (| 07/27/16 A | nalyzed: 08 | | | | | | | |
| Hardness, Total | 268 | 5 | mg/L | | 283 | | | 5.19 | 20 | | | | |
| Batch AG64038 - General Prep | | | | | | | | | | | | | |
| Blank (AG64038-BLK1) | | | | Prepared & | Analyzed: | 07/29/16 | | | | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | | | | | | | | | |
| LCS (AG64038-BS1) | | | | Prepared & | Analyzed: | 07/29/16 | | | | | | | |
| Phosphorus, total | 0.203 | 0.040 | mg/L | 0.200 | | 102 | 85-115 | | | | | | |
| Duplicate (AG64038-DUP1) | Sour | rce: 16G177 | 5-01 | Prepared & Analyzed: 07/29/16 | | | | | | | | | |
| Phosphorus, total | 0.505 | 0.20 | mg/L | | 0.512 | | | 1.31 | 20 | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/03/16 11:11 |

| | Reporting | | | Snike | Source | | %REC | | RPD | |
|-------------------------------------|-------------------------|------------|------------|-------------------------------|-------------------------------|----------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64038 - General Prep | | | | | | | | | | |
| Matrix Spike (AG64038-MS1) | Source: 16G1775-01 Prep | | Prepared & | Analyzed: | 07/29/16 | | | | | |
| Phosphorus, total | 1.43 | 0.20 | mg/L | 1.00 | 0.512 | 92.3 | 70-130 | | | |
| Matrix Spike Dup (AG64038-MSD1) | Source: 16G1775-01 Pr | | | Prepared & | Prepared & Analyzed: 07/29/16 | | | | | |
| Phosphorus, total | 1.43 | 0.20 | mg/L | 1.00 | 0.512 | 92.3 | 70-130 | 0.00 | 20 | |
| Batch AG64041 - General Preparation | | | | | | | | | | |
| Blank (AG64041-BLK1) | Pre | | | Prepared & | Analyzed: | 07/29/16 | | | | |
| Ammonia as NH3 | ND | 0.50 | mg/L | | | | | | | |
| LCS (AG64041-BS1) | | | | Prepared & Analyzed: 07/29/16 | | | | | | |
| Ammonia as NH3 | 5.96 | 0.50 | mg/L | 6.10 | | 97.7 | 90-110 | | | |
| LCS Dup (AG64041-BSD1) | | | | Prepared & | Analyzed: | 07/29/16 | | | | |
| Ammonia as NH3 | 5.85 | 0.50 | mg/L | 6.10 | | 96.0 | 90-110 | 1.81 | 10 | |
| Matrix Spike (AG64041-MS1) | Sour | ce: 16G163 | 6-02 | Prepared & | Prepared & Analyzed: 07/29/16 | | | | | |
| Ammonia as NH3 | 12.3 | 0.50 | mg/L | 12.2 | ND | 101 | 85-115 | | | |
| Matrix Spike Dup (AG64041-MSD1) | Sour | ce: 16G163 | 6-02 | Prepared & | Analyzed: | 07/29/16 | | | | |
| Ammonia as NH3 | 11.9 | 0.50 | mg/L | 12.2 | ND | 97.7 | 85-115 | 3.51 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/03/16 11:11 |

Anions by EPA Method 300.0 - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|-----------------------|-------------|-------|-------------------------------|-----------|----------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63687 - General Preparation | | | | | | | | | | |
| LCS (AG63687-BS1) | | | | Prepared & | Analyzed: | 07/20/16 | | | | |
| Nitrite as NO2 | 18.5 | 1.0 | mg/L | 18.2 | <u> </u> | 102 | 90-110 | | | |
| Chloride | 11.6 | 0.50 | mg/L | 11.1 | | 104 | 90-110 | | | |
| Nitrite as N | 5.64 | 0.20 | mg/L | 5.56 | | 102 | 90-110 | | | |
| Nitrate as N | 5.90 | 0.20 | mg/L | 5.56 | | 106 | 90-110 | | | |
| Sulfate as SO4 | 23.2 | 0.50 | mg/L | 22.2 | | 104 | 90-110 | | | |
| Nitrate as NO3 | 26 | 1.0 | mg/L | 24.7 | | 106 | 90-110 | | | |
| Duplicate (AG63687-DUP1) | Source: 16G1615-01 Pr | | | Prepared & | Analyzed: | 07/20/16 | | | | |
| Chloride | 13.1 | 0.50 | mg/L | | 12.9 | | | 1.51 | 20 | |
| Nitrite as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Sulfate as SO4 | 3.56 | 0.50 | mg/L | | 3.57 | | | 0.281 | 20 | |
| Nitrate as N | 0.583 | 0.20 | mg/L | | 0.588 | | | 0.964 | 20 | |
| Nitrate as NO3 | 2.6 | 1.0 | mg/L | | 2.6 | | | 0.964 | 20 | |
| Matrix Spike (AG63687-MS1) | Sou | rce: 16G161 | 5-01 | Prepared & Analyzed: 07/20/16 | | | | | | |
| Nitrate as N | 6.55 | 0.20 | mg/L | 5.56 | 0.588 | 107 | 80-120 | | | |
| Nitrite as NO2 | 18.5 | 1.0 | mg/L | 18.2 | ND | 102 | 80-120 | | | |
| Nitrite as N | 5.65 | 0.20 | mg/L | 5.56 | ND | 102 | 80-120 | | | |
| Sulfate as SO4 | 27.2 | 0.50 | mg/L | 22.2 | 3.57 | 106 | 80-120 | | | |
| Chloride | 23.6 | 0.50 | mg/L | 11.1 | 12.9 | 96.5 | 80-120 | | | |
| Nitrate as NO3 | 29 | 1.0 | mg/L | 24.7 | 2.6 | 107 | 80-120 | | | |
| Matrix Spike (AG63687-MS2) | Sou | rce: 16G164 | 1-01 | Prepared & | Analyzed: | 07/20/16 | | | | |
| Nitrite as N | 5.71 | 0.20 | mg/L | 5.56 | ND | 103 | 80-120 | | | |
| Nitrate as NO3 | 27 | 1.0 | mg/L | 24.7 | ND | 107 | 80-120 | | | |
| Sulfate as SO4 | 23.7 | 0.50 | mg/L | 22.2 | ND | 106 | 80-120 | | | |
| Nitrite as NO2 | 18.8 | 1.0 | mg/L | 18.2 | ND | 103 | 80-120 | | | |
| Chloride | 12.7 | 0.50 | mg/L | 11.1 | 0.936 | 106 | 80-120 | | | |
| Nitrate as N | 5.99 | 0.20 | mg/L | 5.56 | ND | 107 | 80-120 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/03/16 11:11 |

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 AG63687 - General Preparation | | | | | | | | | | |
| Matrix Spike Dup (AG63687-MSD1) | Sour | ce: 16G161 | 5-01 | Prepared & | Analyzed: | 07/20/16 | | | | |
| Sulfate as SO4 | 27.5 | 0.50 | mg/L | 22.2 | 3.57 | 108 | 80-120 | 1.11 | 20 | |
| Nitrite as N | 5.73 | 0.20 | mg/L | 5.56 | ND | 103 | 80-120 | 1.47 | 20 | |
| Chloride | 23.8 | 0.50 | mg/L | 11.1 | 12.9 | 98.0 | 80-120 | 0.703 | 20 | |
| Nitrate as NO3 | 29 | 1.0 | mg/L | 24.7 | 2.6 | 109 | 80-120 | 1.56 | 20 | |
| Nitrate as N | 6.65 | 0.20 | mg/L | 5.56 | 0.588 | 109 | 80-120 | 1.56 | 20 | |
| Nitrite as NO2 | 18.8 | 1.0 | mg/L | 18.2 | ND | 103 | 80-120 | 1.47 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/03/16 11:11 |

Notes and Definitions

- 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.
- 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

| Alpha Analytical Laboratories Inc. www.alpha-labs.com WATERS, SEDIMENTS, SOLIDS | 639 | C 208 Mas 707-4 clients B 8 Doughe 925-82 | orpo ion Si 68-04 ervic lay A rty Ri 28-62 | rate L treet, I 01 F) es@a rea La bad, # 26 F) | abor Ukiah 707-4 Ipha- abora 35, D 925-1 | atory , CA 9 468-52 1abs.c 1abs.c tory ublin, 828-63 | 15482 267 com CA 9 309 | 4568 | | 9 | 090 L | Jnioin 91 | <i>Cent</i> Park 6-68(| t <i>ral</i> (k Wy 6-51 | Valle, y., #1 190 F | y Lai 13, E 9 91(| borat Elk Gr 6-686 | ory ove, (-5192 | CA 95 ! | 5624 | (Lab | Ch ∾ | aiı (| n a 00 | Wa of (| ork Cu: l(o | 0 stc 24 | rde >dy ろi | er / R | lec: | ord | | 3_ |
|--|--------------|---|--|--|--|---|------------------------------------|--------------------------------------|-------------|------------------------|---------------------------|--|------------------------------|--------------------------------|---------------------------|-------------------------|--------------------------|------------------------|-------------|---------|----------|-----------|------------|----------------------------|----------------|-------------------|----------------|------------------|---------------|--------------|-----------|------------|----------------|
| Company/Name: | | Project I | D: | | | | | | | | | Т | _ | | Signa | ature | belov | v auti | norize | s woi | k und | ler te: | ms s | ated | on re | /erse s | ide | | | | | | ı [`] |
| West Bay Sanitary District | | | | w | 2 N | Лor | iito | rin | a | | | | | | | _ | | | | | | _ | | | | | 140. | | | \mathbf{T} | | <u> </u> | |
| Mailing Address: 500 Laurel Street Menio Park. CA 94025 | | Project I | ect Nó: | | | | | Analysis Request | | | | | | San | nple | Note | es | | TAT | | | | | | | | | | | | | | |
| Project Contact & Email (Hardcopy or PDF John Simonetti jsimonetti@westbaysanitary.org | to): | PO | PO# re Contact: The Scropetti | | | | | us Mn, Zn US NO3 22, NO3 ei | | | | | | | | ć | ン .) | Z | | | | d For Rus | | | | | | | | | | | |
| Phone/Fax: | | Site Con | | | | | | | , Na, Al, F | Ag, Na, Al, Phospho | ^h hospho en | de, EC, N | carbona | d Calcu | | | | | <u> </u> | 62 | | | A) Ri | pprovat equired 1 wk | al Require | | | | | | | | |
| Field Sampler - Print Name & Signature | Sar Colle | nple ection | ial) | Cont | aine | r P | rese | ervat | ive | M | atrix | | | F | - B, Ca, M | nonia, Pł | I Nitroge | te, Chlorid | linity, Bio | Adjuste | | | | | ness Ca | DU 23 | | | | | ⊃ 2 wk | Lab Approv | |
| Identification | Date | Time | 4 2 2 2 | Poty Glass | Sleeve | Dther HCL | EONH | H2SO ² | None | Water | Soil | | | | 200.7 | Amn | Tota | Sulfat | Alka | SAR | Silica | | TSS | VSS | Hard | \mathbf{Y} | | | | (sta | andard) | | |
| G13104 | 7/19 | 0960 | | 5 | | T | 1 | 1 | 3 | x | | x | × | | x | x | x | x | x | x | x | x | x | x | × | χ | | | 1 | | | | |
| 071816A | | | | | | | | | | | | | | | | | | | | | | | | | | (• | | | | | | | |
| <u>G13220</u> | 7/19 | 2925 | f | 5 | | | 1 | 1 | 3 | x | | x | × | | x | х | x | x | x | x | x | x | x | x | x | X | | | | | | | |
| OTRIGB | | | | | | | | | | | | | | | | | | | | | | | | 1 | | , , _ | | | | - | | | |
| G13223 | 7/19 | 0830 | | 5 | | | 1 | 1 | 3 | x | | x | x | | x | x | x | x | x | x | x | x | x | x | x | Х | | | ł | | | | |
| 0718160 | | | | | | | | | | | | | _ | | | | | | | | | | | | | | | | | | | | |
| · · · · · · · · · · · · · · · · · · · | | | | _ | | | +- | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Polinguiched hur | L_(| Baraiter | | Δ | ┙ | <u>구</u> | | | | | Ц | | | 4 | | | | | | | | | <u> </u> | | | | | | | L_ | | | |
| The second secon | | | r) | | | X | 2_ | ~ | / | | | 6 | ル | | <u> </u> > | 34 | ŧ | CĐ | PH۱ | Nrite | e Or | n EE | DT R | еро | rt? | | Yes | \$ (| \mathcal{L} | No | |) | |
| Relinquished by | | Received | l by: (|) _/ | 1 | / | - | | | | | Date 7/ | /19 | , | Timē 1¢ | .10 | , | Sta | te S | Syst | em · | Nur | nbe | r: | • | | | | | | | | |
| Relinquished by: | | Received | d by: | S | C | e | <u> </u> | ~ | | | | | 14 | | | 10 |) | CA | Geo | otrac | ker | ED | Re | por | t | | Yes | ; (| \supset | No | | \supset | |
| | ~ | | | 2 | ze | n | | | | | | TILA 7(00 Global ID: EDF to (Email Address): | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: | | Received | l by: | | _ | | | | | | Ē | Ate | | | Time | | | Trav | el an | d Sit | e Tin | ne: | Milea | ige: | • | M | isc. S | Suppli | ies: | | <u></u> | ; | |

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ELAP Certificates 1551, 2728, and 2922

04 August 2016

West Bay Sanitary District Attn: John Simonetti 500 Laurel Street Menlo Park, CA 94025 RE: WQ Monitoring Work Order: 16G1817

Enclosed are the results of analyses for samples received by the laboratory on 07/20/16 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Popli

Jeanette L. Poplin For Robbie C. Phillips Project Manager



e-mail: clientservices @alpha-labs.com

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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/04/16 16:25 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| G13104 / 071916A | 16G1817-01 | Water | 07/20/16 08:50 | 07/20/16 21:00 |
| G13220 / 071916B | 16G1817-02 | Water | 07/20/16 09:20 | 07/20/16 21:00 |
| G13223 / 071916C | 16G1817-03 | Water | 07/20/16 08:15 | 07/20/16 21:00 |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj Pro | ject Manager: Jol Project: WC oject Number: [no | nn Simor Monitor ne] | netti ring | | | Re 08/04/1 | ported: 6 16:25 |
|---|---------------|---|----------------------------|---------------|----------------|-------------------|---------------|--------------------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13104 / 071916A (16G1817-01) | | Sample Type: | : Water | | Sample | d: 07/20/16 08:50 | | |
| Metals (Drinking Water) by EPA 200 Series M | lethods | | | | | | | |
| Potassium | 14 mg/L | 1.0 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:51 | EPA 200.7 | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 0.39 mg/L | 0.050 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:51 | EPA 200.7 | |
| Boron | 0.25 mg/L | 0.050 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:51 | EPA 200.7 | |
| Calcium | 18 mg/L | 1.0 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:51 | EPA 200.7 | |
| Iron | 1.2 mg/L | 0.10 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:51 | EPA 200.7 | |
| Magnesium | 4.1 mg/L | 1.0 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:51 | EPA 200.7 | |
| Manganese | 0.070 mg/L | 0.020 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:51 | EPA 200.7 | |
| Sodium | 51 mg/L | 1.0 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:51 | EPA 200.7 | |
| Zinc | 0.15 mg/L | 0.020 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:51 | EPA 200.7 | |
| Conventional Chemistry Parameters by APH | A/EPA Methods | | | | | | | |
| Ammonia as NH3 | 60 mg/L | 0.50 | 1 | AH63179 | 08/02/16 08:08 | 08/02/16 17:00 | SM4500NH3C | |
| Bicarbonate | 240 mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | |
| Biochemical Oxygen Demand | 240 mg/L | 5.0 | 1 | AG63922 | 07/21/16 15:30 | 07/26/16 13:00 | SM5210B | |
| рН | 7.52 pH Unit | ts 1.68 | 1 | AG63765 | 07/20/16 19:00 | 07/20/16 19:00 | SM4500-H+ B | T-1 |
| Specific Conductance (EC) | 710 umhos/c | em 20 | 1 | AG63848 | 07/21/16 16:00 | 07/21/16 17:00 | SM2510B | |
| Total Dissolved Solids | 340 mg/L | 10 | 1 | AG63928 | 07/26/16 14:57 | 08/02/16 17:08 | SM2540C | |
| Total Suspended Solids | 170 mg/L | 1.0 | 1 | AG63888 | 07/26/16 08:30 | 07/28/16 14:30 | SM2540D | |
| Volatile Suspended Solids | 160 mg/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | |
| Silica | 15 mg/L | 5.0 | 5 | AG63835 | 07/25/16 09:00 | 07/25/16 12:00 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 200 mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | |
| Total Alkalinity as CaCO3 | 200 mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | |
| Total Kjeldahl Nitrogen | 46 mg/L | 1.0 | 1 | AG63879 | 07/28/16 06:16 | 08/01/16 14:03 | SM4500-Norg B | |
| Total Nitrogen | 46 mg/L | 1.0 | 1 | AG63891 | 07/26/16 09:20 | 08/01/16 16:53 | SM4500-N | |
| Hardness, Total | 63 mg/L | 5 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:51 | SM2340B | |
| Phosphorus, total | 5.9 mg/L | 0.80 | 2 | AG64038 | 07/29/16 08:20 | 07/29/16 11:10 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj | ect Manager: Jol Project: WC ject Number: [no | hn Simor Q Monitor ne] | netti ring | | | 08/04 | Reported: 4/16 16:25 |
|---|---------------|---|------------------------------|---------------|----------------|-------------------|-----------|-------------------------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13104 / 071916A (16G1817-01) | | Sample Type | : Water | | Sample | d: 07/20/16 08:50 | | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | - | | | |
| Sodium Adsorption Ratio-Adj RNa | 3.02 NA | | 1 | AG64062 | 07/29/16 12:05 | 08/04/16 05:44 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 64 mg/L | 5.0 | 10 | AG63742 | 07/21/16 18:20 | 07/21/16 18:20 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63742 | 07/21/16 18:36 | 07/21/16 18:36 | EPA 300.0 | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63742 | 07/21/16 18:36 | 07/21/16 18:36 | EPA 300.0 | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63742 | 07/21/16 18:36 | 07/21/16 18:36 | EPA 300.0 | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63742 | 07/21/16 18:36 | 07/21/16 18:36 | EPA 300.0 | |
| Sulfate as SO4 | 20 mg/L | 0.50 | 1 | AG63742 | 07/21/16 18:36 | 07/21/16 18:36 | EPA 300.0 | |
| G13220 / 071916B (16G1817-02) | | Sample Type | : Water | | Sample | d: 07/20/16 09:20 | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | |
| Potassium | 13 mg/L | 1.0 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:56 | EPA 200.7 | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 0.63 mg/L | 0.050 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:56 | EPA 200.7 | |
| Boron | 0.13 mg/L | 0.050 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:56 | EPA 200.7 | |
| Calcium | 24 mg/L | 1.0 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:56 | EPA 200.7 | |
| Iron | 1.8 mg/L | 0.10 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:56 | EPA 200.7 | |
| Magnesium | 13 mg/L | 1.0 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:56 | EPA 200.7 | |
| Manganese | 0.053 mg/L | 0.020 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:56 | EPA 200.7 | |
| Sodium | 48 mg/L | 1.0 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:56 | EPA 200.7 | |
| Zinc | 0.22 mg/L | 0.020 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:56 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | | Project Projec | t Manager: Joh Project: WG ct Number: [no | nn Simor Monitor ne] | netti ing | | | R 08/04/′ | eported: 16 16:25 |
|---|---------------|-------------------|---|----------------------------|--------------|----------------|-------------------|---------------|----------------------|
| | Result | | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13220 / 071916B (16G1817-02) | | | Sample Type: | Water | | Sample | d: 07/20/16 09:20 | | |
| Conventional Chemistry Parameters by APHA | /EPA Methods | | | | | | | | |
| Ammonia as NH3 | 61 m | ng/L | 0.50 | 1 | AH63179 | 08/02/16 08:08 | 08/02/16 17:00 | SM4500NH3C | |
| Bicarbonate | 250 m | ng/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | |
| Biochemical Oxygen Demand | 210 m | ng/L | 5.0 | 1 | AG63922 | 07/21/16 15:30 | 07/26/16 13:00 | SM5210B | |
| рН | 7.55 p | H Units | 1.68 | 1 | AG63765 | 07/20/16 19:00 | 07/20/16 19:00 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 790 u | mhos/cm | 20 | 1 | AG63848 | 07/21/16 16:00 | 07/21/16 17:00 | SM2510B | |
| Total Dissolved Solids | 540 m | ng/L | 10 | 1 | AG63928 | 07/26/16 14:57 | 08/03/16 12:23 | SM2540C | |
| Total Suspended Solids | 220 m | ng/L | 1.0 | 1 | AG63888 | 07/26/16 08:30 | 07/28/16 14:30 | SM2540D | |
| Volatile Suspended Solids | 200 m | ng/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | |
| Silica | 18 m | ng/L | 5.0 | 5 | AG63835 | 07/25/16 09:00 | 07/25/16 12:00 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 200 m | ng/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND m | ng/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND m | ng/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | |
| Total Alkalinity as CaCO3 | 200 m | ng/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | |
| Total Kjeldahl Nitrogen | 49 m | ng/L | 1.0 | 1 | AG63879 | 07/28/16 06:16 | 08/01/16 14:03 | SM4500-Norg B | |
| Total Nitrogen | 49 m | ng/L | 1.0 | 1 | AG63891 | 07/26/16 09:20 | 08/01/16 16:53 | SM4500-N | |
| Hardness, Total | 115 m | ng/L | 5 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 14:56 | SM2340B | |
| Phosphorus, total | 7.0 m | ng/L | 0.80 | 2 | AG64038 | 07/29/16 08:20 | 07/29/16 11:10 | SM4500-P E | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.09 N | A | | 1 | AG64062 | 07/29/16 12:05 | 08/04/16 05:44 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | | |
| Chloride | 55 m | ng/L | 5.0 | 10 | AG63742 | 07/21/16 18:53 | 07/21/16 18:53 | EPA 300.0 | |
| Nitrate as N | ND m | ng/L | 0.20 | 1 | AG63742 | 07/21/16 19:09 | 07/21/16 19:09 | EPA 300.0 | |
| Nitrate as NO3 | ND m | ng/L | 1.0 | 1 | AG63742 | 07/21/16 19:09 | 07/21/16 19:09 | EPA 300.0 | |
| Nitrite as N | ND m | ng/L | 0.20 | 1 | AG63742 | 07/21/16 19:09 | 07/21/16 19:09 | EPA 300.0 | |
| Nitrite as NO2 | ND m | ng/L | 1.0 | 1 | AG63742 | 07/21/16 19:09 | 07/21/16 19:09 | EPA 300.0 | |
| Sulfate as SO4 | 73 m | ng/L | 5.0 | 10 | AG63742 | 07/21/16 18:53 | 07/21/16 18:53 | EPA 300.0 | |
| G13223 / 071916C (16G1817-03) | | | Sample Type: | Water | | Sample | d: 07/20/16 08:15 | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | |
| Potassium | 16 m | ng/L | 1.0 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 15:00 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proje Proj | ect Manager: Jol Project: WC ject Number: [no | nn Simor Q Monitor ne] | netti ring | | | Re 08/04/1 | ported: 6 16:25 |
|---|---------------|---|------------------------------|---------------|----------------|-------------------|---------------|--------------------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 071916C (16G1817-03) | | Sample Type | : Water | | Sample | d: 07/20/16 08:15 | | |
| Metals by EPA 200 Series Methods | | | | | - | | | |
| Aluminum | 0.62 mg/L | 0.050 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 15:00 | EPA 200.7 | |
| Boron | 0.17 mg/L | 0.050 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 15:00 | EPA 200.7 | |
| Calcium | 15 mg/L | 1.0 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 15:00 | EPA 200.7 | |
| Iron | 1.5 mg/L | 0.10 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 15:00 | EPA 200.7 | |
| Magnesium | 5.6 mg/L | 1.0 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 15:00 | EPA 200.7 | |
| Manganese | 0.057 mg/L | 0.020 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 15:00 | EPA 200.7 | |
| Sodium | 45 mg/L | 1.0 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 15:00 | EPA 200.7 | |
| Zinc | 0.20 mg/L | 0.020 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 15:00 | EPA 200.7 | |
| Conventional Chemistry Parameters by APHA/B | PA Methods | | | | | | | |
| Ammonia as NH3 | 66 mg/I | 0.50 | 1 | AH63179 | 08/02/16 08:08 | 08/02/16 17:00 | SM4500NH3C | |
| Ricarbonate | 310 mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | |
| Biochemical Oxygen Demand | 260 mg/L | 5.0 | 1 | AG63922 | 07/21/16 15:30 | 07/26/16 13:00 | SM5210B | |
| nH | 7 50 nH Units | 1.68 | 1 | AG63765 | 07/20/16 19:00 | 07/20/16 19:00 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 840 umbos/cr | n 20 | 1 | AG63848 | 07/21/16 16:00 | 07/21/16 17:00 | SM2510B | |
| Total Dissolved Solids | 350 mg/L | n 20 10 | 1 | AG63928 | 07/26/16 14:57 | 08/02/16 17:08 | SM2540C | |
| Total Suspended Solids | 280 mg/L | 10 | 1 | AG63836 | 07/25/16 09:02 | 07/26/16 11:30 | SM2540D | |
| Volatile Suspended Solids | 250 mg/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160 4 | |
| Silica | 19 mg/L | 5.0 | 5 | AG63835 | 07/25/16 09:00 | 07/25/16 12:00 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 260 mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | |
| Total Alkalinity as CaCO3 | 260 mg/L | 5.0 | 1 | AG63802 | 07/27/16 08:00 | 07/27/16 16:30 | SM2320B | |
| Total Kieldahl Nitrogen | 72 mg/L | 1.0 | 1 | AG63879 | 07/28/16 06:16 | 08/01/16 14:03 | SM4500-Norg B | |
| Total Nitrogen | 72 mg/L | 1.0 | 1 | AG63891 | 07/26/16 09:20 | 08/01/16 16:53 | SM4500-N | |
| Hardness, Total | 61 mg/L | 5 | 1 | AG64062 | 07/29/16 12:05 | 08/02/16 15:00 | SM2340B | |
| Phosphorus, total | 9.0 mg/L | 2.0 | 5 | AG64038 | 07/29/16 08:20 | 07/29/16 11:10 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | ry District Project Manager: John Simonetti t Project: WQ Monitoring 94025 Project Number: [none] | | | | | | | | | |
|---|---|-----------------|----------|---------|----------------|-------------------|-----------|------|--|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | |
| G13223 / 071916C (16G1817-03) | | Sample Type: | : Water | | Sample | d: 07/20/16 08:15 | | | | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.77 NA | | 1 | AG64062 | 07/29/16 12:05 | 08/04/16 05:44 | SAR | | | |
| Anions by EPA Method 300.0 | | | | | | | | | | |
| Chloride | 58 mg/L | 5.0 | 10 | AG63742 | 07/21/16 19:25 | 07/21/16 19:25 | EPA 300.0 | | | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63742 | 07/21/16 19:41 | 07/21/16 19:41 | EPA 300.0 | | | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63742 | 07/21/16 19:41 | 07/21/16 19:41 | EPA 300.0 | | | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63742 | 07/21/16 19:41 | 07/21/16 19:41 | EPA 300.0 | | | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63742 | 07/21/16 19:41 | 07/21/16 19:41 | EPA 300.0 | | | |
| Sulfate as SO4 | 29 mg/L | 0.50 | 1 | AG63742 | 07/21/16 19:41 | 07/21/16 19:41 | EPA 300.0 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/04/16 16:25 |

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

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|--------------------------|-------|---------------------------------------|---------------------------------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64062 - Metals Digest | | | | | | | | | | |
| Blank (AG64062-BLK1) | | | | Prepared: (| 07/29/16 A | nalyzed: 08 | /02/16 | | | |
| Potassium | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG64062-BS1) | | | | Prepared: (|)7/29/16 A | nalyzed: 08 | /02/16 | | | |
| Potassium | 7.29 | 1.0 | mg/L | 8.00 | | 91.1 | 85-115 | | | |
| Duplicate (AG64062-DUP1) | Sou | rce: 16G199 [,] | 1-01 | Prepared: 07/29/16 Analyzed: 08/02/16 | | | | | | |
| Potassium | 1.29 | 1.0 | mg/L | | 1.31 | | | 1.52 | 20 | |
| Matrix Spike (AG64062-MS1) | Sou | rce: 16G199 [,] | 1-01 | Prepared: 07/29/16 Analyzed: 08/02/16 | | | | | | |
| Potassium | 8.42 | 1.0 | mg/L | 8.00 | 1.31 | 88.9 | 70-130 | | | |
| Matrix Spike (AG64062-MS2) | Sou | rce: 16G1866 | 6-01 | Prepared: 07/29/16 Analyzed: 08/02/16 | | | /02/16 | | | |
| Potassium | 11.2 | 1.0 | mg/L | 8.00 | 4.36 | 85.1 | 70-130 | | | |
| Matrix Spike Dup (AG64062-MSD1) | Sou | rce: 16G199 [,] | 1-01 | Prepared: (| Prepared: 07/29/16 Analyzed: 08/02/16 | | | | | |
| Potassium | 9.08 | 1.0 | mg/L | 8.00 | 1.31 | 97.2 | 70-130 | 7.57 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/04/16 16:25 |

Metals by EPA 200 Series Methods - Quality Control

| | Darrelt | Reporting | T Turita | Spike | Source | 0/DEC | %REC | DDD | RPD Limit | Flag |
|-------------------------------|---------|----------------|----------|-------------|---------------------------------------|-------------|--------|------|--------------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Tiag |
| Batch AG64062 - Metals Digest | | | | | | | | | | |
| Blank (AG64062-BLK1) | | | | Prepared: 0 | 7/29/16 An | alyzed: 08/ | /02/16 | | | |
| 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 (AG64062-BS1) | | | | Prepared: 0 | 07/29/16 An | alyzed: 08/ | /02/16 | | | |
| Aluminum | 1.78 | 0.050 | mg/L | 2.00 | | 88.8 | 85-115 | | | |
| Boron | 0.366 | 0.050 | mg/L | 0.400 | | 91.5 | 85-115 | | | |
| Calcium | 7.02 | 1.0 | mg/L | 8.00 | | 87.8 | 85-115 | | | |
| Iron | 1.84 | 0.10 | mg/L | 2.00 | | 91.8 | 85-115 | | | |
| Magnesium | 7.04 | 1.0 | mg/L | 8.00 | | 88.0 | 85-115 | | | |
| Manganese | 0.181 | 0.020 | mg/L | 0.200 | | 90.6 | 85-115 | | | |
| Sodium | 7.25 | 1.0 | mg/L | 8.00 | | 90.6 | 85-115 | | | |
| Zinc | 0.183 | 0.020 | mg/L | 0.200 | | 91.7 | 85-115 | | | |
| Duplicate (AG64062-DUP1) | S | ource: 16G1991 | -01 | Prepared: 0 | Prepared: 07/29/16 Analyzed: 08/02/16 | | | | | |
| Aluminum | ND | 0.050 | mg/L | | ND | | | 2.44 | 20 | |
| Boron | 0.119 | 0.050 | mg/L | | 0.117 | | | 1.67 | 20 | |
| Calcium | 109 | 1.0 | mg/L | | 108 | | | 1.49 | 20 | |
| Iron | ND | 0.10 | mg/L | | ND | | | | 20 | |
| Magnesium | 6.52 | 1.0 | mg/L | | 6.72 | | | 3.08 | 20 | |
| Manganese | ND | 0.020 | mg/L | | ND | | | 3.57 | 20 | |
| Sodium | 18.2 | 1.0 | mg/L | | 17.8 | | | 1.98 | 20 | |
| Zinc | ND | 0.020 | mg/L | | ND | | | | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/04/16 16:25 |

Metals by EPA 200 Series Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|-------------|-------|-------------|---------------------------------------|-------------|--------|------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64062 - Metals Digest | | | | | | | | | | |
| Matrix Spike (AG64062-MS1) | Sou | rce: 16G199 | 1-01 | Prepared: (| 07/29/16 A | nalyzed: 08 | /02/16 | | | |
| Aluminum | 1.75 | 0.050 | mg/L | 2.00 | ND | 86.1 | 70-130 | | | |
| Boron | 0.452 | 0.050 | mg/L | 0.400 | 0.117 | 83.6 | 70-130 | | | |
| Calcium | 112 | 1.0 | mg/L | 8.00 | 108 | 55.0 | 70-130 | | | QM-4X |
| Iron | 1.73 | 0.10 | mg/L | 2.00 | ND | 86.6 | 70-130 | | | |
| Magnesium | 12.9 | 1.0 | mg/L | 8.00 | 6.72 | 77.5 | 70-130 | | | |
| Manganese | 0.171 | 0.020 | mg/L | 0.200 | ND | 85.4 | 70-130 | | | |
| Sodium | 24.6 | 1.0 | mg/L | 8.00 | 17.8 | 85.1 | 70-130 | | | |
| Zinc | 0.175 | 0.020 | mg/L | 0.200 | ND | 87.3 | 70-130 | | | |
| | 0 | | C 04 | Dava and A | 7/20/16 | | 102/16 | | | |
| Matrix Spike (AG64062-MS2) | 1.00 | Ce: 16G166 | 0-01 | | ND | | 70.120 | | | |
| Daran | 0.500 | 0.050 | mg/L | 2.00 | ND 0.215 | 91.0 | 70-130 | | | |
| Boron | 0.390 | 0.050 | mg/L | 0.400 | 0.215 | 93.8 | 70-130 | | | |
| | 93.1 | 1.0 | mg/L | 8.00 | 88.8 | 55.9 | 70-130 | | | QM-4A |
| Iron | 1.92 | 0.10 | mg/L | 2.00 | ND | 94.3 | /0-130 | | | |
| Magnesium | 43.8 | 1.0 | mg/L | 8.00 | 36.2 | 94.8 | 70-130 | | | |
| Manganese | 0.191 | 0.020 | mg/L | 0.200 | ND | 93.4 | 70-130 | | | |
| Sodium | 56.0 | 1.0 | mg/L | 8.00 | 49.9 | 76.5 | 70-130 | | | |
| Zinc | 0.184 | 0.020 | mg/L | 0.200 | ND | 91.9 | 70-130 | | | |
| Matrix Spike Dup (AG64062-MSD1) | Sou | rce: 16G199 | 1-01 | Prepared: (| Prepared: 07/29/16 Analyzed: 08/02/16 | | | | | |
| Aluminum | 1.92 | 0.050 | mg/L | 2.00 | ND | 94.4 | 70-130 | 9.04 | 20 | |
| Boron | 0.498 | 0.050 | mg/L | 0.400 | 0.117 | 95.2 | 70-130 | 9.81 | 20 | |
| Calcium | 115 | 1.0 | mg/L | 8.00 | 108 | 84.7 | 70-130 | 2.09 | 20 | |
| Iron | 1.92 | 0.10 | mg/L | 2.00 | ND | 95.9 | 70-130 | 10.1 | 20 | |
| Magnesium | 13.9 | 1.0 | mg/L | 8.00 | 6.72 | 89.8 | 70-130 | 7.35 | 20 | |
| Manganese | 0.189 | 0.020 | mg/L | 0.200 | ND | 94.1 | 70-130 | 9.68 | 20 | |
| Sodium | 25.2 | 1.0 | mg/L | 8.00 | 17.8 | 92.7 | 70-130 | 2.44 | 20 | |
| Zinc | 0.192 | 0.020 | mg/L | 0.200 | ND | 96.1 | 70-130 | 9.56 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/04/16 16:25 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|--------------|------------|-------------------------------|-----------|----------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63765 - General Preparation | | | | | | | | | | |
| Duplicate (AG63765-DUP1) | Sou | urce: 16G180 | 8-01 | Prepared & | Analyzed: | 07/20/16 | | | | |
| pH | 6.72 | 1.68 | pH Units | | 6.79 | | | 1.04 | 20 | |
| Batch AG63802 - General Preparation | | | | | | | | | | |
| Duplicate (AG63802-DUP1) | Sou | urce: 16G188 | 3-01 | Prepared & | Analyzed: | 07/27/16 | | | | |
| Bicarbonate | 63.4 | 5.0 | mg/L | | 62.2 | | | 1.94 | 20 | |
| Hydroxide Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Carbonate Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Bicarbonate Alkalinity as CaCO3 | 52.0 | 5.0 | mg/L | | 51.0 | | | 1.94 | 20 | |
| Total Alkalinity as CaCO3 | 52.0 | 5.0 | mg/L | | 51.0 | | | 1.94 | 20 | |
| Batch AG63835 - General Preparation | | | | | | | | | | |
| Blank (AG63835-BLK1) | | | | Prepared & | Analyzed: | 07/25/16 | | | | |
| Silica | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG63835-BS1) | | | | Prepared & | Analyzed: | 07/25/16 | | | | |
| Silica | 9.92 | 1.0 | mg/L | 10.0 | | 99.2 | 85-115 | | | |
| LCS Dup (AG63835-BSD1) | | | | Prepared & | Analyzed: | 07/25/16 | | | | |
| Silica | 9.92 | 1.0 | mg/L | 10.0 | | 99.2 | 85-115 | 0.00 | 20 | |
| Duplicate (AG63835-DUP1) | Source: 16G1952-03 | | Prepared & | Analyzed: | 07/25/16 | | | | | |
| Silica | 17.4 | 5.0 | mg/L | | 17.0 | | | 2.14 | 20 | |
| Matrix Spike (AG63835-MS1) | Sou | urce: 16G195 | 2-03 | Prepared & Analyzed: 07/25/16 | | | | | | |
| Silica | 42.3 | 5.0 | mg/L | 25.0 | 17.0 | 101 | 80-120 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/04/16 16:25 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|-------------|----------|-------------------------------|------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63835 - General Preparation | | | | | | | | | | |
| Matrix Spike Dup (AG63835-MSD1) | Sou | rce: 16G195 | 2-03 | Prepared & | Analyzed: | 07/25/16 | | | | |
| Silica | 40.8 | 5.0 | mg/L | 25.0 | 17.0 | 94.9 | 80-120 | 3.55 | 20 | |
| Batch AG63836 - General Preparation | | | | | | | | | | |
| Blank (AG63836-BLK1) | | | | Prepared: (| 07/25/16 A | nalyzed: 07 | /26/16 | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63836-DUP1) | Source: 16G1591-02 | | | Prepared: (|)7/25/16 A | nalyzed: 07 | /26/16 | | | |
| Total Suspended Solids | 328 | 1.0 | mg/L | | 274 | | | 18.2 | 30 | |
| Duplicate (AG63836-DUP2) | Source: 16G1817-03 | | | Prepared: (| 07/25/16 A | nalyzed: 07 | /26/16 | | | |
| Total Suspended Solids | 369 | 1.0 | mg/L | | 282 | | | 26.7 | 30 | |
| Batch AG63848 - General Preparation | | | | | | | | | | |
| Duplicate (AG63848-DUP1) | Sou | rce: 16G186 | 8-02 | Prepared & Analyzed: 07/21/16 | | | | | | |
| Specific Conductance (EC) | 811 | 20 | umhos/cm | | 796 | | | 1.87 | 5 | |
| Batch AG63879 - General Prep | | | | | | | | | | |
| LCS (AG63879-BS1) | | | | Prepared & | Analyzed: | 07/26/16 | | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | | | |
| LCS Dup (AG63879-BSD1) | | | | Prepared & | Analyzed: | 07/26/16 | | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | 0.00 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/04/16 16:25 |

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|-------------|-------|---------------------------------------|------------|-------------|--------|------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63879 - General Prep | | | | | | | | | | |
| Matrix Spike (AG63879-MS1) | Sou | rce: 16G152 | 1-01 | Prepared: (| 07/27/16 A | nalyzed: 07 | /28/16 | | | |
| Total Kjeldahl Nitrogen | 93.2 | 1.0 | mg/L | 22.6 | 53.9 | 173 | 75-125 | | | QM-4X |
| Matrix Spike Dup (AG63879-MSD1) | Source: 16G1521-01 | | | Prepared: (|)7/27/16 A | nalyzed: 07 | /28/16 | | | |
| Total Kjeldahl Nitrogen | 93.2 | 1.0 | mg/L | 22.6 | 53.9 | 173 | 75-125 | 0.00 | 20 | QM-4X |
| Batch AG63888 - General Preparation | | | | | | | | | | |
| Blank (AG63888-BLK1) | | | | Prepared: (| 07/26/16 A | nalyzed: 07 | | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63888-DUP1) | Sou | rce: 16G181 | 7-01 | Prepared: (|)7/26/16 A | nalyzed: 07 | /28/16 | | | |
| Total Suspended Solids | 152 | 1.0 | mg/L | | 166 | | | 8.94 | 30 | |
| Duplicate (AG63888-DUP2) | Sou | rce: 16G181 | 7-02 | Prepared: 07/26/16 Analyzed: 07/28/16 | | | | | | |
| Total Suspended Solids | 237 | 1.0 | mg/L | | 222 | | | 6.54 | 30 | |
| Batch AG63922 - General Preparation | | | | | | | | | | |
| Blank (AG63922-BLK1) | | | | Prepared: (| 07/21/16 A | nalyzed: 07 | /26/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| Blank (AG63922-BLK2) | | | | Prepared: (|)7/21/16 A | nalyzed: 07 | /26/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| LCS (AG63922-BS1) | | | | Prepared: (|)7/20/16 A | nalyzed: 07 | /25/16 | | | |
| Biochemical Oxygen Demand | 212 | 5.0 | mg/L | 200 | | 106 | 84-115 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/04/16 16:25 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|------------------------------|-------------|-------------|-------------|-------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63922 - General Preparation | | | | | | | | | | |
| Duplicate (AG63922-DUP1) | Sour | ce: 16G189 | 0-02 | Prepared: (| 07/21/16 A | nalyzed: 07 | /26/16 | | | |
| Biochemical Oxygen Demand | 32.0 | 5.0 | mg/L | | 33.9 | | | 5.77 | 30 | |
| Batch AG63928 - General Preparation | | | | | | | | | | |
| Blank (AG63928-BLK1) | | | | Prepared: (| 07/26/16 A | nalyzed: 08 | /02/16 | | | |
| Total Dissolved Solids | ND | 10 | mg/L | | | | | | | |
| Duplicate (AG63928-DUP1) | Sour | rce: 16G181 | 7-01 | Prepared: (|)7/26/16 A | nalyzed: 08 | /02/16 | | | |
| Total Dissolved Solids | 376 | 10 | mg/L | | 340 | | | 10.1 | 15 | |
| Duplicate (AG63928-DUP2) | Source: 16G1859-02 Pr | | | |)7/26/16 A | nalyzed: 08 | /02/16 | | | |
| Total Dissolved Solids | 272 | 10 | mg/L | | 257 | | | 5.67 | 15 | |
| Batch AG63933 - General Preparation | | | | | | | | | | |
| Blank (AG63933-BLK1) | 272 10 mg/L n Prepared | | Prepared: (| 07/26/16 A | nalyzed: 08 | /03/16 | | | | |
| Volatile Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63933-DUP1) | Sour | ce: 16G181 | 7-01 | Prepared: (|)7/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | 117 | 1.0 | mg/L | | 155 | | | 28.1 | 30 | |
| Duplicate (AG63933-DUP2) | Sour | ce: 16G181 | 7-03 | Prepared: (|)7/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | 331 | 1.0 | mg/L | | 251 | | | 27.4 | 30 | |
| Batch AG64038 - General Prep | | | | | | | | | | |
| Blank (AG64038-BLK1) | | | | Prepared & | Analyzed: | 07/29/16 | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/04/16 16:25 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|-------|---|-------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64038 - General Prep | | | | | | | | | | |
| LCS (AG64038-BS1) | | | | Prepared & | k Analyzed: | 07/29/16 | | | | |
| Phosphorus, total | 0.203 | 0.040 | mg/L | 0.200 | | 102 | 85-115 | | | |
| Duplicate (AG64038-DUP1) | Sou | rce: 16G177 | 5-01 | Prepared & | analyzed: | 07/29/16 | | | | |
| Phosphorus, total | 0.505 | 0.20 | mg/L | | 0.512 | | | 1.31 | 20 | |
| Matrix Spike (AG64038-MS1) | Sou | rce: 16G177 | 5-01 | 0.312 Prepared & Analyzed: 07/29/ 1.00 0.512 92 | | 07/29/16 | | | | |
| Phosphorus, total | 1.43 | 0.20 | mg/L | 1.00 | 0.512 | 92.3 | 70-130 | | | |
| Matrix Spike Dup (AG64038-MSD1) | Sou | rce: 16G177 | 5-01 | Prepared 8 | k Analyzed: | 07/29/16 | | | | |
| Phosphorus, total | 1.43 | 0.20 | mg/L | 1.00 | 0.512 | 92.3 | 70-130 | 0.00 | 20 | |
| Batch AG64062 - Metals Digest | | | | | | | | | | |
| Blank (AG64062-BLK1) | | | | Prepared: (| 07/29/16 A | nalyzed: 08 | /02/16 | | | |
| Hardness, Total | ND | 5 | mg/L | | | | | | | |
| Duplicate (AG64062-DUP1) | Sou | rce: 16G199 | 1-01 | Prepared: (| 07/29/16 A | nalyzed: 08 | /02/16 | | | |
| Hardness, Total | 300 | 5 | mg/L | | 297 | | | 1.07 | 20 | |
| Batch AH63179 - General Preparation | | | | | | | | | | |
| Blank (AH63179-BLK1) | | | | Prepared & | k Analyzed: | 08/02/16 | | | | |
| Ammonia as NH3 | ND | 0.50 | mg/L | | | | | | | |
| LCS (AH63179-BS1) | | | | Prepared & | k Analyzed: | 08/02/16 | | | | |
| Ammonia as NH3 | 5.96 | 0.50 | mg/L | 6.10 | | 97.7 | 90-110 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/04/16 16:25 |

| | Reporting | | Spike | Source | | %REC | | RPD | E1 |
|--------|--|---|--|---|--|---|--|---|---|
| Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| | | | | | | | | | |
| | | | Prepared & | Analyzed: | 08/02/16 | | | | |
| 5.75 | 0.50 | mg/L | 6.10 | | 94.2 | 90-110 | 3.64 | 10 | |
| Sour | ce: 16G2534 | 4-02 | Prepared & | Analyzed: | 08/02/16 | | | | |
| 11.9 | 0.50 | mg/L | 12.2 | ND | 97.7 | 85-115 | | | |
| Sour | ce: 16G2534 | 4-02 | Prepared & | Analyzed: | 08/02/16 | | | | |
| 12.1 | 0.50 | mg/L | 12.2 | ND | 99.5 | 85-115 | 1.77 | 20 | |
| | Result 5.75 Sour 11.9 Sour 12.1 | Reporting Limit Result Limit 5.75 0.50 Source: 16G2534 11.9 0.50 Source: 16G2534 12.1 0.50 | Reporting Units Result Limit Units 5.75 0.50 mg/L Source: 16G2534-02 11.9 0.50 mg/L Source: 16G2534-02 11.9 0.50 mg/L 12.1 0.50 mg/L | Reporting Spike Result Limit Units Level Prepared & 5.75 0.50 mg/L 6.10 Source: 16G2534-02 Prepared & 11.9 0.50 mg/L 12.2 Source: 16G2534-02 Prepared & 12.1 0.50 mg/L 12.2 | Reporting Result Spike Limit Source Level Source Result Prepared & Analyzed: Prepared & Analyzed: Prepared & Analyzed: 5.75 0.50 mg/L 6.10 Source: 16G2534-02 Prepared & Analyzed: 11.9 0.50 mg/L 12.2 Source: 16G2534-02 Prepared & Analyzed: 12.1 0.50 mg/L 12.2 | Reporting Result Spike Limit Spike Units Source Level Source Prepared & Analyzed: 08/02/16 5.75 0.50 mg/L 6.10 94.2 Source: 16G2534-02 Prepared & Analyzed: 08/02/16 11.9 0.50 mg/L 12.2 ND 97.7 Source: 16G2534-02 Prepared & Analyzed: 08/02/16 12.1 0.50 mg/L 12.2 ND 99.5 | Reporting Result Spike Limit Source Units %REC Result %REC Units Prepared & Analyzed: 08/02/16 5.75 0.50 mg/L 6.10 94.2 90-110 Source: 16G2534-02 Prepared & Analyzed: 08/02/16 11.9 0.50 mg/L 12.2 ND 97.7 85-115 Source: 16G2534-02 Prepared & Analyzed: 08/02/16 11.9 12.1 0.50 mg/L 12.2 ND 99.5 85-115 | Reporting Result Spike Limit Source Level %REC Result %REC Limits RPD Prepared & Analyzed: 08/02/16 Prepared & Analyzed: 08/02/16 3.64 3.64 5.75 0.50 mg/L 6.10 94.2 90-110 3.64 Source: 16G2534-02 Prepared & Analyzed: 08/02/16 97.7 85-115 5.715 Source: 16G2534-02 Prepared & Analyzed: 08/02/16 12.2 ND 97.7 85-115 12.1 0.50 mg/L 12.2 ND 99.5 85-115 1.77 | Reporting Result Spike Limit Source Verel %REC %REC RPD Limit Prepared & Analyzed: 08/02/16 10 5.75 0.50 mg/L 6.10 94.2 90-110 3.64 10 Source: 16G2534-02 Prepared & Analyzed: 08/02/16 11.9 0.50 mg/L 12.2 ND 97.7 85-115 Source: 16G2534-02 Prepared & Analyzed: 08/02/16 11.9 0.50 mg/L 12.2 ND 97.7 85-115 12.1 0.50 mg/L 12.2 ND 99.5 85-115 1.77 20 |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/04/16 16:25 |

Anions by EPA Method 300.0 - Quality Control

| A paluta(s) | Pagult | Reporting | Unite | Spike | Source | %PEC | %REC | רוקק | RPD Limit | Flag |
|-------------------------------------|--------|--------------|-------|------------|-----------|----------|---------|-------|--------------|------|
| Analyce(s) | Kesuit | Liiiit | Onits | Level | Result | /orle | Lillits | KI D | Liiiit | |
| Batch AG63742 - General Preparation | | | | | | | | | | |
| Blank (AG63742-BLK1) | | | | Prepared & | Analyzed: | 07/21/16 | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | | | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | | | | | | |
| Chloride | ND | 0.50 | mg/L | | | | | | | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | | | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG63742-BS1) | | | | Prepared & | Analyzed: | 07/21/16 | | | | |
| Nitrite as N | 5.54 | 0.20 | mg/L | 5.56 | | 99.7 | 90-110 | | | |
| Nitrate as N | 5.81 | 0.20 | mg/L | 5.56 | | 105 | 90-110 | | | |
| Chloride | 11.4 | 0.50 | mg/L | 11.1 | | 103 | 90-110 | | | |
| Nitrite as NO2 | 18.2 | 1.0 | mg/L | 18.2 | | 99.9 | 90-110 | | | |
| Nitrate as NO3 | 26 | 1.0 | mg/L | 24.7 | | 104 | 90-110 | | | |
| Sulfate as SO4 | 22.9 | 0.50 | mg/L | 22.2 | | 103 | 90-110 | | | |
| Duplicate (AG63742-DUP1) | Sou | urce: 16G182 | 6-01 | Prepared & | Analyzed: | 07/21/16 | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Nitrite as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Chloride | 44.9 | 2.5 | mg/L | | 45.1 | | | 0.289 | 20 | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | ND | | | 2.73 | 20 | |
| Nitrate as N | ND | 0.20 | mg/L | | ND | | | 2.73 | 20 | |
| Sulfate as SO4 | 9.40 | 0.50 | mg/L | | 9.34 | | | 0.640 | 20 | |
| Matrix Spike (AG63742-MS1) | Sou | urce: 16G182 | 6-01 | Prepared & | Analyzed: | 07/21/16 | | | | |
| Chloride | 56.0 | 2.5 | mg/L | 11.1 | 45.1 | 98.2 | 80-120 | | | |
| Sulfate as SO4 | 31.8 | 2.5 | mg/L | 22.2 | 9.34 | 101 | 80-120 | | | |
| Nitrite as N | 5.27 | 1.0 | mg/L | 5.56 | ND | 94.9 | 80-120 | | | |
| Nitrate as NO3 | 25 | 5.0 | mg/L | 24.7 | ND | 99.7 | 80-120 | | | |
| Nitrate as N | 5.60 | 1.0 | mg/L | 5.56 | ND | 99.9 | 80-120 | | | |
| Nitrite as NO2 | 17.3 | 5.0 | mg/L | 18.2 | ND | 95.1 | 80-120 | | | |
| | | | | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/04/16 16:25 |

Anions by EPA Method 300.0 - Quality Control

| Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|--------|--|--|---|--|--|--|--|--|---|
| | | | | | | | | | |
| Sou | Irce: 16G183 | 3-01 | Prepared & | Analyzed: | 07/21/16 | | | | |
| 5.73 | 0.20 | mg/L | 5.56 | ND | 102 | 80-120 | | | |
| 18.0 | 0.50 | mg/L | 11.1 | 6.70 | 102 | 80-120 | | | |
| 6.02 | 0.20 | mg/L | 5.56 | ND | 107 | 80-120 | | | |
| 35.4 | 0.50 | mg/L | 22.2 | 12.1 | 105 | 80-120 | | | |
| 18.8 | 1.0 | mg/L | 18.2 | ND | 102 | 80-120 | | | |
| 27 | 1.0 | mg/L | 24.7 | ND | 107 | 80-120 | | | |
| Sou | Irce: 16G182 | 6-01 | Prepared 8 | Analyzed: | 07/21/16 | | | | |
| 5.25 | 1.0 | mg/L | 5.56 | ND | 94.5 | 80-120 | 0.422 | 20 | |
| 17.2 | 5.0 | mg/L | 18.2 | ND | 94.7 | 80-120 | 0.422 | 20 | |
| 31.8 | 2.5 | mg/L | 22.2 | 9.34 | 101 | 80-120 | 0.0524 | 20 | |
| 55.9 | 2.5 | mg/L | 11.1 | 45.1 | 97.6 | 80-120 | 0.119 | 20 | |
| 25 | 5.0 | mg/L | 24.7 | ND | 100 | 80-120 | 0.625 | 20 | |
| 5.64 | 1.0 | mg/L | 5.56 | ND | 101 | 80-120 | 0.625 | 20 | |
| | Result 5.73 18.0 6.02 35.4 18.8 27 Sou 5.25 17.2 31.8 55.9 25 5.64 | Reporting Limit Source: 16G1833 5.73 0.20 18.0 0.50 6.02 0.20 35.4 0.50 18.8 1.0 27 1.0 Source: 16G1820 5.25 1.0 17.2 5.0 31.8 2.5 55.9 2.5 25 5.0 5.64 1.0 | Reporting Limit Units Source: 16G1833-0 mg/L 5.73 0.20 mg/L 18.0 0.50 mg/L 6.02 0.20 mg/L 35.4 0.50 mg/L 18.8 1.0 mg/L 27 1.0 mg/L 5.25 1.0 mg/L 31.8 2.5 mg/L 35.9 2.5 mg/L 25 5.0 mg/L 5.64 1.0 mg/L | Reporting Limit Spike Units Spike Level Source: 16G1833-01 Prepared & 5.73 0.20 mg/L 5.56 18.0 0.50 mg/L 11.1 6.02 0.20 mg/L 5.56 35.4 0.50 mg/L 22.2 18.8 1.0 mg/L 18.2 27 1.0 mg/L 24.7 Source: 16G1826-01 Prepared & 5.25 1.0 mg/L 25.56 31.8 2.5 mg/L 18.2 31.8 2.5 mg/L 11.1 25 5.0 mg/L 24.7 5.64 1.0 mg/L 5.56 | Reporting Result Spike Limit Spike Level Source Result Source: 16G1833-01 Prepared & Analyzed: 5.73 0.20 mg/L 5.56 ND 18.0 0.50 mg/L 11.1 6.70 6.02 0.20 mg/L 5.56 ND 35.4 0.50 mg/L 22.2 12.1 18.8 1.0 mg/L 18.2 ND 27 1.0 mg/L 24.7 ND 5.25 1.0 mg/L 5.56 ND 31.8 2.5 mg/L 22.2 9.34 55.9 2.5 mg/L 18.2 ND 31.8 2.5 mg/L 11.1 45.1 25 5.0 mg/L 24.7 ND 31.8 2.5 mg/L 11.1 45.1 25 5.0 mg/L 24.7 ND 5.64 1.0 mg/L 5.56 ND | Reporting Result Spike Limit Spike Units Source Result Source %REC Source: 16G1833-01 Prepared & Analyzed: 07/21/16 5.73 0.20 mg/L 5.56 ND 102 18.0 0.50 mg/L 11.1 6.70 102 6.02 0.20 mg/L 5.56 ND 107 35.4 0.50 mg/L 22.2 12.1 105 18.8 1.0 mg/L 24.7 ND 102 27 1.0 mg/L 5.56 ND 107 5.25 1.0 mg/L 24.7 ND 107 5.25 1.0 mg/L 5.56 ND 94.5 17.2 5.0 mg/L 18.2 ND 94.5 17.2 5.0 mg/L 22.2 9.34 101 55.9 2.5 mg/L 24.7 ND 97.6 25 5.0 mg/L 24.7 ND< | Reporting Result Spike Limit Source Level Source Result %REC %REC Source: 16G1833-01 Prepared & Analyzed: 07/21/16 1 5.73 0.20 mg/L 5.56 ND 102 80-120 18.0 0.50 mg/L 11.1 6.70 102 80-120 6.02 0.20 mg/L 5.56 ND 107 80-120 35.4 0.50 mg/L 22.2 12.1 105 80-120 18.8 1.0 mg/L 18.2 ND 102 80-120 27 1.0 mg/L 24.7 ND 107 80-120 27 1.0 mg/L 5.56 ND 94.5 80-120 17.2 5.0 mg/L 18.2 ND 94.7 80-120 31.8 2.5 mg/L 18.2 ND 94.7 80-120 55.9 2.5 mg/L 11.1 45.1 97.6 80-1 | Reporting Result Spike Limit Spike Units Source Level Source Result %REC %REC %REC Source: 16G1833-01 Prepared & Analyzed: 07/21/16 RPD Source: 16G1833-01 Prepared & Analyzed: 07/21/16 5.73 0.20 mg/L 5.56 ND 102 80-120 18.0 0.50 mg/L 11.1 6.70 102 80-120 6.02 0.20 mg/L 22.2 12.1 105 80-120 35.4 0.50 mg/L 22.2 12.1 105 80-120 18.8 1.0 mg/L 24.7 ND 107 80-120 27 1.0 mg/L 5.56 ND 94.5 80-120 0.422 17.2 5.0 mg/L 18.2 ND 94.7 80-120 0.422 31.8 2.5 mg/L 22.2 9.34 101 80-120 | Reporting Result Spike Limit Source Level Source Result %REC %REC Limits RPD RPD Limit Source: 16G1833-01 Prepared & Analyzed: 07/21/16 |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/04/16 16:25 |

Notes and Definitions

- 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.
- 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

| Alpha Analytical Laboratories Inc. | Kalak | <u>_</u> |
|------------------------------------|-------------|-------------------------|
| | Alpha Analy | vical Laboratories Inc. |

WATERS, SEDIMENTS, SOLIDS

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Work Order Chain of Custody Record

Lab No

3.8

of

Page_

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| | | Project ID |): | _ | | | | | | | | L | | Si | gnati | ure b | elow | autho | orizes | s worl | (แกดี | er ten | ms st | ated | on rev | verse s | ide. | | | | |
|--|---------|----------------|--------------|-------|--------------------------|--------------|-------------|------------|--------------|------------|------------------|------------|--------------------|----------|------------|---------------------|--------|----------|------------|--|----------|--------|----------|-------------|------------------------|----------------|----------|---------|------------|---------------------|------------|
| West Bay Sanitary District | | | V | VQ | N | lon | ito | rin | Ig_ | | | ſ | | | | | Ana | alysi | is R | equ | est | | | | | Sar | nple | Note | s | ТАТ | |
| Malling Address: 500 Laurel Street Menio Park, CA 94025 | | Project N | o: | | _ | | | | | | | - | | | ц И | | | 3 | | | | | | | | | | | | 24 hr 0 48 hr | Rush |
| Project Contact & Email (Hardcopy or PDF John Simonetti isimonetti@westbaysanitary.org | to): | PO# | ŧ | | | | | | | | | | | | Fe, Mn, | ŗus | | 402, NG | ate | ulation | | | | | | 7 | 0 | | | | Ired For 1 |
| Phone/Fax: | | Site Conf | tact: | 5 | | ores | <i>tt.</i> | | | | | | | | , Na, Al, | oldsoi | | e, EC, N | arbon | d Calc | | | | | 0 | 0.7 | | | | Required | val Requ |
| Fleid Sampler - Print Name & Signature | 6 | <u> </u> | C | onta | ine | r P | rese | erva | ative | Ma | atrix | | | | ja, Mg | a, P | roge | hlorid | , Bio | juste | | | | | ss Co | 20 | | ٦ | | \bigcirc | Appro |
| | Colle | npie ection | a] | | | | | T T | | | | | Ţ | | ц Ш | uou L | al Nit | ate, C | aljnit | R Ad | g | , v | 0 | ر س | dnes | 00 | | | | 2 wk (standard | Pap (t |
| Sample Identification | Date | Time | 40ml V | Glass | Sleeve | Other | HNO3 | H2SO | Other | Water | ij Roji | | | 3 | 200.7 | Ē | Tot | Sulfi | ΑĶ | SAI | Silic | Ĕ | 1 S | N N N | <u><u></u> Hai</u> | $ \times $ | | | | 0 | |
| G13104 | 7/20 | 0880 | | 5 | | | 1 | 1 | | 3 × | ↓ ↓ | × | × | _ × | () | × | x | x | × | x | × | x | × | × | ×- | ١X. | | | | | |
| 07/9/6A | | <u> </u> | \downarrow | | \downarrow | \downarrow | _ | | \square | | $\left \right $ | + | + | _ | + | | | | ┣ | | - | | - | | ╞ | x | | | | | |
| G13220 | 7/20 | 09.20 | | 5 | | _ | 1 | 1 | \square | 3 x | ┤┤ | × | × | _} | <u>`</u> | × | x | × | × | × | × | X | <u>×</u> | × | | \uparrow | | | | | |
| 0719/613 | | | \downarrow | | | | | - | | + | ┞┟ | | + | | | | _ | | - | <u> </u> | | ┢ | - | + | - | | | | | | |
| G13223 | 7/20 | 0815 | | 5 | | | 1 | 1 | ┞╴┠ | <u>3 x</u> | \downarrow | _ × | - <mark> </mark> × | <u></u> | <u> </u> | <u>× '</u> | x | × | × | x . | × | × | × | +× | × | ١Ň. | | | | | |
| 071916 C- | | | | | | | \perp | | | | 1 | | + | _+ | _ | | | <u> </u> | <u> </u> | <u> </u> | – | ┢─ | <u> </u> | | - | - | | | | | |
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| | | | ╉┤ | -†- | + | ┼─╉ | T | 1- | | | | | - | | | | Γ | | Τ | | | | | | | | | | | | |
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| Befinquisheday: | | Receive | ed by: | Ð | 7 | Ż | <u>,</u> | | | | | Date | 20 | <u>ہ</u> | Time /C | L Se | S | St | ate | Sys | ten | ו Nu | umb | er: | | | | | | | |
| Relinquished by: | <u></u> | Receive | ed by: | Ž | r N | 1 | | _ | | | | Date 7/ | 120 | > | Time | Zy | り | c/ | A Ge | eotra | acke | er El | DF F | Repo | ort | | Ye | es (| \bigcirc |) No | \bigcirc |
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| | | 1 | | | | | | | | | | | | | | | | | | <u>. </u> | | ; | Ľ | | _ | | 1 | _ | | | |



Alpha Analytical Laboratories Inc. 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

05 August 2016

West Bay Sanitary District Attn: John Simonetti 500 Laurel Street Menlo Park, CA 94025 RE: WQ Monitoring Work Order: 16G1952

Enclosed are the results of analyses for samples received by the laboratory on 07/21/16 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Popli

Jeanette L. Poplin For Robbie C. Phillips Project Manager



e-mail: clientservices @alpha-labs.com

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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/05/16 16:14 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| G13104 / 072016A | 16G1952-01 | Water | 07/21/16 08:50 | 07/21/16 21:00 |
| G13220 / 072016B | 16G1952-02 | Water | 07/21/16 09:20 | 07/21/16 21:00 |
| G13223 / 072016C | 16G1952-03 | Water | 07/21/16 08:25 | 07/21/16 21:00 |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Pri | Reported: 08/05/16 16:14 | | | | | | |
|---|---------------|-----------------------------|----------|---------|----------------|-------------------|---------------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13104 / 072016A (16G1952-01) | | Sample Type: | : Water | | Sample | d: 07/21/16 08:50 | | |
| Metals (Drinking Water) by EPA 200 Series M | Iethods | | | | | | | |
| Potassium | 16 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:19 | EPA 200.7 | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 0.41 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:19 | EPA 200.7 | |
| Boron | 0.16 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:19 | EPA 200.7 | |
| Calcium | 17 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:19 | EPA 200.7 | |
| Iron | 1.5 mg/L | 0.10 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:19 | EPA 200.7 | |
| Magnesium | 4.3 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:19 | EPA 200.7 | |
| Manganese | 0.070 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:19 | EPA 200.7 | |
| Sodium | 47 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:19 | EPA 200.7 | |
| Zinc | 0.16 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:19 | EPA 200.7 | |
| Conventional Chemistry Parameters by APH | A/EPA Methods | | | | | | | |
| Ammonia as NH3 | 57 mg/L | 0.50 | 1 | AH63227 | 08/03/16 08:12 | 08/03/16 17:00 | SM4500NH3C | |
| Bicarbonate | 260 mg/L | 5.0 | 1 | AG63803 | 07/28/16 08:00 | 07/28/16 15:49 | SM2320B | |
| Biochemical Oxygen Demand | 310 mg/L | 5.0 | 1 | AG63969 | 07/22/16 14:00 | 07/27/16 12:30 | SM5210B | |
| рН | 7.56 pH Un | nits 1.68 | 1 | AG63809 | 07/21/16 18:50 | 07/21/16 18:50 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 710 umhos | s/cm 20 | 1 | AG63873 | 07/22/16 16:00 | 07/22/16 17:00 | SM2510B | |
| Total Dissolved Solids | 340 mg/L | 10 | 1 | AG63987 | 07/27/16 15:37 | 07/29/16 16:35 | SM2540C | |
| Total Suspended Solids | 270 mg/L | 1.0 | 1 | AG63995 | 07/28/16 08:09 | 07/29/16 13:49 | SM2540D | |
| Volatile Suspended Solids | 250 mg/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | |
| Silica | 17 mg/L | 5.0 | 5 | AG63835 | 07/25/16 09:00 | 07/25/16 12:00 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 210 mg/L | 5.0 | 1 | AG63803 | 07/28/16 08:00 | 07/28/16 15:49 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63803 | 07/28/16 08:00 | 07/28/16 15:49 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63803 | 07/28/16 08:00 | 07/28/16 15:49 | SM2320B | |
| Total Alkalinity as CaCO3 | 210 mg/L | 5.0 | 1 | AG63803 | 07/28/16 08:00 | 07/28/16 15:49 | SM2320B | |
| Total Kjeldahl Nitrogen | 43 mg/L | 1.0 | 1 | AG64039 | 08/02/16 06:49 | 08/04/16 09:27 | SM4500-Norg B | |
| Total Nitrogen | 43 mg/L | 1.0 | 1 | AG63891 | 07/26/16 09:20 | 08/04/16 16:09 | SM4500-N | |
| Hardness, Total | 59 mg/L | 5 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:19 | SM2340B | |
| Phosphorus, total | 5.9 mg/L | 0.80 | 2 | AH63124 | 08/01/16 07:45 | 08/01/16 15:02 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj Pro | Project Manager: John Simonetti Project: WQ Monitoring Project Number: [none] | | | | | | | |
|---|-----------------|---|----------|---------|----------------|-------------------|-----------|------|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | |
| G13104 / 072016A (16G1952-01) | | Sample Type: | : Water | | Sample | d: 07/21/16 08:50 | | | |
| Miscellaneous Physical/Conventional Chemis | stry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.89 NA | | 1 | AG64063 | 07/29/16 12:11 | 08/05/16 09:45 | SAR | | |
| Anions by EPA Method 300.0 | | | | | | | | | |
| Chloride | 51 mg/L | 5.0 | 10 | AG63805 | 07/26/16 19:16 | 07/26/16 19:16 | EPA 300.0 | | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63805 | 07/22/16 19:41 | 07/22/16 19:41 | EPA 300.0 | | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63805 | 07/22/16 19:41 | 07/22/16 19:41 | EPA 300.0 | | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63805 | 07/22/16 19:41 | 07/22/16 19:41 | EPA 300.0 | | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63805 | 07/22/16 19:41 | 07/22/16 19:41 | EPA 300.0 | | |
| Sulfate as SO4 | 19 mg/L | 0.50 | 1 | AG63805 | 07/22/16 19:41 | 07/22/16 19:41 | EPA 300.0 | | |
| G13220 / 072016B (16G1952-02) | | Sample Type: | : Water | | Sample | d: 07/21/16 09:20 | | | |
| Metals (Drinking Water) by EPA 200 Series | Methods | | | | | | | | |
| Potassium | 20 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:24 | EPA 200.7 | | |
| Metals by EPA 200 Series Methods | | | | | | | | | |
| Aluminum | 1.1 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:24 | EPA 200.7 | | |
| Boron | 0.23 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:24 | EPA 200.7 | | |
| Calcium | 18 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:24 | EPA 200.7 | | |
| Iron | 2.3 mg/L | 0.10 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:24 | EPA 200.7 | | |
| Magnesium | 7.7 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:24 | EPA 200.7 | | |
| Manganese | 0.062 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:24 | EPA 200.7 | | |
| Sodium | 51 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:24 | EPA 200.7 | | |
| Zinc | 0.24 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:24 | EPA 200.7 | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | | Project Mar Pr Project Nu | nager: Joh roject: WC mber: [noi | nn Simor) Monitor ne] | netti ing | | | R 08/05/ | eported: 16 16:14 |
|---|---------------|---------------------------------|--|------------------------------|--------------|----------------|-------------------|---------------|----------------------|
| | Result | Repo | rting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13220 / 072016B (16G1952-02) | | Sa | mple Type: | Water | | Sample | d: 07/21/16 09:20 | | |
| Conventional Chemistry Parameters by APHA | /EPA Methods | | | | | | | | |
| Ammonia as NH3 | 56 mg | g/L | 0.50 | 1 | AH63227 | 08/03/16 08:12 | 08/03/16 17:00 | SM4500NH3C | |
| Bicarbonate | 310 mg | g/L | 5.0 | 1 | AG63803 | 07/28/16 08:00 | 07/28/16 15:49 | SM2320B | |
| Biochemical Oxygen Demand | 230 mg | g/L | 5.0 | 1 | AG63969 | 07/22/16 14:00 | 07/27/16 12:30 | SM5210B | |
| рН | 7.48 pH | I Units | 1.68 | 1 | AG63809 | 07/21/16 18:50 | 07/21/16 18:50 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 830 um | nhos/cm | 20 | 1 | AG63873 | 07/22/16 16:00 | 07/22/16 17:00 | SM2510B | |
| Total Dissolved Solids | 390 mg | g/L | 10 | 1 | AG63987 | 07/27/16 15:37 | 07/29/16 16:35 | SM2540C | |
| Total Suspended Solids | 410 mg | g/L | 1.0 | 1 | AG63995 | 07/28/16 08:09 | 07/29/16 13:49 | SM2540D | |
| Volatile Suspended Solids | 360 mg | g/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | |
| Silica | 18 mg | g/L | 5.0 | 5 | AG63835 | 07/25/16 09:00 | 07/25/16 12:00 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 260 mg | g/L | 5.0 | 1 | AG63803 | 07/28/16 08:00 | 07/28/16 15:49 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg | g/L | 5.0 | 1 | AG63803 | 07/28/16 08:00 | 07/28/16 15:49 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg | g/L | 5.0 | 1 | AG63803 | 07/28/16 08:00 | 07/28/16 15:49 | SM2320B | |
| Total Alkalinity as CaCO3 | 260 mg | g/L | 5.0 | 1 | AG63803 | 07/28/16 08:00 | 07/28/16 15:49 | SM2320B | |
| Total Kjeldahl Nitrogen | 62 mg | g/L | 1.0 | 1 | AG64039 | 08/02/16 06:49 | 08/04/16 09:27 | SM4500-Norg B | |
| Total Nitrogen | 62 mg | g/L | 1.0 | 1 | AG63891 | 07/26/16 09:20 | 08/04/16 16:09 | SM4500-N | |
| Hardness, Total | 77 mg | g/L | 5 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:24 | SM2340B | |
| Phosphorus, total | 8.1 mg | g/L | 0.80 | 2 | AH63124 | 08/01/16 07:45 | 08/01/16 15:02 | SM4500-P E | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.81 NA | 4 | | 1 | AG64063 | 07/29/16 12:11 | 08/05/16 09:45 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | | |
| Chloride | 56 mg | g/L | 5.0 | 10 | AG63805 | 07/22/16 19:57 | 07/22/16 19:57 | EPA 300.0 | |
| Nitrate as N | ND mg | g/L | 0.20 | 1 | AG63805 | 07/22/16 20:45 | 07/22/16 20:45 | EPA 300.0 | |
| Nitrate as NO3 | ND mg | g/L | 1.0 | 1 | AG63805 | 07/22/16 20:45 | 07/22/16 20:45 | EPA 300.0 | |
| Nitrite as N | ND mg | g/L | 0.20 | 1 | AG63805 | 07/22/16 20:45 | 07/22/16 20:45 | EPA 300.0 | |
| Nitrite as NO2 | ND mg | g/L | 1.0 | 1 | AG63805 | 07/22/16 20:45 | 07/22/16 20:45 | EPA 300.0 | |
| Sulfate as SO4 | 30 mg | g/L | 0.50 | 1 | AG63805 | 07/22/16 20:45 | 07/22/16 20:45 | EPA 300.0 | |
| G13223 / 072016C (16G1952-03) | | Sa | mple Type: | Water | | Sample | d: 07/21/16 08:25 | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | |
| Potassium | 17 mg | g/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:28 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj Pro | Re 08/05/1 | Reported: 08/05/16 16:14 | | | | | |
|---|---------------|-----------------|-----------------------------|---------|----------------|-------------------|---------------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 072016C (16G1952-03) | | Sample Type | : Water | | Sample | d: 07/21/16 08:25 | | |
| Metals by EPA 200 Series Methods | | | | | - | | | |
| Aluminum | 0.62 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:28 | EPA 200.7 | |
| Boron | 0.18 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:28 | EPA 200.7 | |
| Calcium | 15 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:28 | EPA 200.7 | |
| Iron | 1.4 mg/L | 0.10 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:28 | EPA 200.7 | |
| Magnesium | 5.9 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:28 | EPA 200.7 | |
| Manganese | 0.053 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:28 | EPA 200.7 | |
| Sodium | 42 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:28 | EPA 200.7 | |
| Zinc | 0.20 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:28 | EPA 200.7 | |
| Conventional Chemistry Parameters by APH. | A/EPA Methods | | | | | | | |
| Ammonia as NH3 | 53 mg/L | 0.50 | 1 | AH63227 | 08/03/16 08:12 | 08/03/16 17:00 | SM4500NH3C | |
| Bicarbonate | 290 mg/L | 5.0 | 1 | AG63803 | 07/28/16 08:00 | 07/28/16 15:49 | SM2320B | |
| Biochemical Oxygen Demand | 290 mg/L | 5.0 | 1 | AG63969 | 07/22/16 14:00 | 07/27/16 12:30 | SM5210B | |
| рН | 7.54 nH Unit | ts 1.68 | 1 | AG63809 | 07/21/16 18:50 | 07/21/16 18:50 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 770 umhos/c | em 20 | 1 | AG63873 | 07/22/16 16:00 | 07/22/16 17:00 | SM2510B | |
| Total Dissolved Solids | 280 mg/L | 10 | 1 | AG63987 | 07/27/16 15:37 | 07/29/16 16:35 | SM2540C | |
| Total Suspended Solids | 220 mg/L | 1.0 | 1 | AG63995 | 07/28/16 08:09 | 07/29/16 13:49 | SM2540D | |
| Volatile Suspended Solids | 200 mg/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | |
| Silica | 17 mg/L | 5.0 | 5 | AG63835 | 07/25/16 09:00 | 07/25/16 12:00 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 240 mg/L | 5.0 | 1 | AG63803 | 07/28/16 08:00 | 07/28/16 15:49 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63803 | 07/28/16 08:00 | 07/28/16 15:49 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63803 | 07/28/16 08:00 | 07/28/16 15:49 | SM2320B | |
| Total Alkalinity as CaCO3 | 240 mg/L | 5.0 | 1 | AG63803 | 07/28/16 08:00 | 07/28/16 15:49 | SM2320B | |
| Total Kjeldahl Nitrogen | 62 mg/L | 1.0 | 1 | AG64039 | 08/02/16 06:49 | 08/04/16 09:27 | SM4500-Norg B | |
| Total Nitrogen | 62 mg/L | 1.0 | 1 | AG63891 | 07/26/16 09:20 | 08/04/16 16:09 | SM4500-N | |
| Hardness, Total | 62 mg/L | 5 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 17:28 | SM2340B | |
| Phosphorus, total | 5.9 mg/L | 0.80 | 2 | AH63124 | 08/01/16 07:45 | 08/01/16 15:02 | 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] | | | | | | F 08/05/ | Reported: 08/05/16 16:14 | |
|---|---|------|-----------------|----------|---------|----------------|----------------|-----------------------------|------|
| | Result | | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 072016C (16G1952-03) | Sample Type: Water Sampled: 07/21/16 08:25 | | | | | | | | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.53 N | A | | 1 | AG64063 | 07/29/16 12:11 | 08/05/16 09:45 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | | |
| Chloride | 49 m | ng/L | 5.0 | 10 | AG63805 | 07/22/16 21:01 | 07/22/16 21:01 | EPA 300.0 | |
| Nitrate as N | ND m | ng/L | 0.20 | 1 | AG63805 | 07/22/16 21:17 | 07/22/16 21:17 | EPA 300.0 | |
| Nitrate as NO3 | ND m | ng/L | 1.0 | 1 | AG63805 | 07/22/16 21:17 | 07/22/16 21:17 | EPA 300.0 | |
| Nitrite as N | ND m | ng/L | 0.20 | 1 | AG63805 | 07/22/16 21:17 | 07/22/16 21:17 | EPA 300.0 | |
| Nitrite as NO2 | ND m | ng/L | 1.0 | 1 | AG63805 | 07/22/16 21:17 | 07/22/16 21:17 | EPA 300.0 | |
| Sulfate as SO4 | 30 m | ng/L | 0.50 | 1 | AG63805 | 07/22/16 21:17 | 07/22/16 21:17 | EPA 300.0 | |


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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/05/16 16:14 |

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

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|--------------|-------|-------------|---------------------------------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64063 - Metals Digest | | | | | | | | | | |
| Blank (AG64063-BLK1) | | | | Prepared: (| 07/29/16 Ai | nalyzed: 08 | /02/16 | | | |
| Potassium | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG64063-BS1) | Pr | | | Prepared: (|)7/29/16 Ai | nalyzed: 08 | | | | |
| Potassium | 7.50 | 1.0 | mg/L | 8.00 | | 93.8 | 85-115 | | | |
| Duplicate (AG64063-DUP1) | Sou | rce: 16G2024 | 1-02 | Prepared: (|)7/29/16 Ai | nalyzed: 08 | | | | |
| Potassium | 13.1 | 1.0 | mg/L | | 13.1 | | | 0.197 | 20 | |
| Matrix Spike (AG64063-MS1) | Sou | rce: 16G2024 | 1-02 | Prepared: (|)7/29/16 Ai | nalyzed: 08 | /02/16 | | | |
| Potassium | 21.2 | 1.0 | mg/L | 8.00 | 13.1 | 102 | 70-130 | | | |
| Matrix Spike (AG64063-MS2) | Sou | rce: 16G2143 | 8-01 | Prepared: (|)7/29/16 Ai | nalyzed: 08 | /02/16 | | | |
| Potassium | 9.43 | 1.0 | mg/L | 8.00 | 1.93 | 93.8 | 70-130 | | | |
| Matrix Spike Dup (AG64063-MSD1) | Sou | rce: 16G2024 | 1-02 | Prepared: (| Prepared: 07/29/16 Analyzed: 08/02/16 | | | | | |
| Potassium | 20.8 | 1.0 | mg/L | 8.00 | 13.1 | 96.7 | 70-130 | 1.94 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/05/16 16:14 |

Metals by EPA 200 Series Methods - Quality Control

| A maluta(a) | Degult | Reporting | Unita | Spike | Source | 0/DEC | %REC | DDD | RPD Limit | Flag |
|-------------------------------|--------|----------------|-------|-------------|-------------|-------------|----------|-------|--------------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | 70KEU | LIIIIIts | KPD | LIIIII | Ting |
| Batch AG64063 - Metals Digest | | | | | | | | | | |
| Blank (AG64063-BLK1) | | | | Prepared: 0 | 07/29/16 Ar | alyzed: 08 | /02/16 | | | |
| 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 (AG64063-BS1) | | | | Prepared: 0 | 07/29/16 Ar | nalyzed: 08 | /02/16 | | | |
| Aluminum | 1.87 | 0.050 | mg/L | 2.00 | | 93.6 | 85-115 | | | |
| Boron | 0.361 | 0.050 | mg/L | 0.400 | | 90.3 | 85-115 | | | |
| Calcium | 7.34 | 1.0 | mg/L | 8.00 | | 91.8 | 85-115 | | | |
| Iron | 1.92 | 0.10 | mg/L | 2.00 | | 95.9 | 85-115 | | | |
| Magnesium | 7.19 | 1.0 | mg/L | 8.00 | | 89.8 | 85-115 | | | |
| Manganese | 0.190 | 0.020 | mg/L | 0.200 | | 95.1 | 85-115 | | | |
| Sodium | 7.66 | 1.0 | mg/L | 8.00 | | 95.7 | 85-115 | | | |
| Zinc | 0.185 | 0.020 | mg/L | 0.200 | | 92.7 | 85-115 | | | |
| Duplicate (AG64063-DUP1) | Se | ource: 16G2024 | 4-02 | Prepared: 0 | 07/29/16 Ar | alyzed: 08 | /02/16 | | | |
| Aluminum | ND | 0.050 | mg/L | | ND | | | | 20 | |
| Boron | ND | 0.050 | mg/L | | ND | | | 6.77 | 20 | |
| Calcium | 36.7 | 1.0 | mg/L | | 36.3 | | | 0.892 | 20 | |
| Iron | ND | 0.10 | mg/L | | ND | | | 3.64 | 20 | |
| Magnesium | 9.27 | 1.0 | mg/L | | 9.09 | | | 1.93 | 20 | |
| Manganese | ND | 0.020 | mg/L | | ND | | | 2.91 | 20 | |
| Sodium | 41.0 | 1.0 | mg/L | | 40.7 | | | 0.781 | 20 | |
| Zinc | 0.0391 | 0.020 | mg/L | | 0.0388 | | | 0.572 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/05/16 16:14 |

Metals by EPA 200 Series Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | | |
|---------------------------------|--------|---------------|-------------|-------------|---------------------------------------|-------------|--------|-------|-------|-------|--|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag | |
| Batch AG64063 - Metals Digest | | | | | | | | | | | |
| Matrix Spike (AG64063-MS1) | So | ource: 16G202 | 4-02 | Prepared: (| Prepared: 07/29/16 Analyzed: 08/02/16 | | | | | | |
| Aluminum | 1.91 | 0.050 | mg/L | 2.00 | ND | 93.2 | 70-130 | | | | |
| Boron | 0.400 | 0.050 | mg/L | 0.400 | ND | 91.5 | 70-130 | | | | |
| Calcium | 44.5 | 1.0 | mg/L | 8.00 | 36.3 | 102 | 70-130 | | | | |
| Iron | 1.95 | 0.10 | mg/L | 2.00 | ND | 96.2 | 70-130 | | | | |
| Magnesium | 17.5 | 1.0 | mg/L | 8.00 | 9.09 | 106 | 70-130 | | | | |
| Manganese | 0.203 | 0.020 | mg/L | 0.200 | ND | 96.4 | 70-130 | | | | |
| Sodium | 48.7 | 1.0 | mg/L | 8.00 | 40.7 | 99.8 | 70-130 | | | | |
| Zinc | 0.235 | 0.020 | mg/L | 0.200 | 0.0388 | 97.9 | 70-130 | | | | |
| M-4 S | 5. | 16C214 | 2 04 | Draparad: (| 7/20/16 4 | aluzad: 08 | /02/16 | | | | |
| Matrix Spike (AG64063-MS2) | 12.5 | 0.050 | 5-01 | 2.00 | 01/29/10 A | 217 | 70.120 | | | OM 4V | |
| Alaminam Daran | 0.477 | 0.030 | mg/L | 2.00 | 8.11 | 217 | 70-130 | | | QM-4A | |
| Boron | 0.477 | 0.050 | mg/L | 0.400 | 0.117 | 89.9 | 70-130 | | | | |
| Calcium | 94.2 | 1.0 | mg/L | 8.00 | 85.2 | 113 | 70-130 | | | | |
| Iron | 6.96 | 0.10 | mg/L | 2.00 | 4.58 | 119 | 70-130 | | | | |
| Magnesium | 46.4 | 1.0 | mg/L | 8.00 | 38.5 | 98.7 | 70-130 | | | | |
| Manganese | 0.404 | 0.020 | mg/L | 0.200 | 0.222 | 90.9 | 70-130 | | | | |
| Sodium | 23.2 | 1.0 | mg/L | 8.00 | 15.6 | 95.1 | 70-130 | | | | |
| Zinc | 0.211 | 0.020 | mg/L | 0.200 | 0.0233 | 93.6 | 70-130 | | | | |
| Matrix Spike Dup (AG64063-MSD1) | So | ource: 16G202 | 4-02 | Prepared: (| 07/29/16 A | nalyzed: 08 | | | | | |
| Aluminum | 1.85 | 0.050 | mg/L | 2.00 | ND | 90.4 | 70-130 | 2.94 | 20 | | |
| Boron | 0.393 | 0.050 | mg/L | 0.400 | ND | 89.9 | 70-130 | 1.58 | 20 | | |
| Calcium | 44.4 | 1.0 | mg/L | 8.00 | 36.3 | 101 | 70-130 | 0.232 | 20 | | |
| Iron | 1.89 | 0.10 | mg/L | 2.00 | ND | 93.4 | 70-130 | 2.90 | 20 | | |
| Magnesium | 17.1 | 1.0 | mg/L | 8.00 | 9.09 | 99.7 | 70-130 | 2.68 | 20 | | |
| Manganese | 0.197 | 0.020 | mg/L | 0.200 | ND | 93.5 | 70-130 | 2.88 | 20 | | |
| Sodium | 48.6 | 1.0 | mg/L | 8.00 | 40.7 | 99.0 | 70-130 | 0.130 | 20 | | |
| Zinc | 0.228 | 0.020 | mg/L | 0.200 | 0.0388 | 94.7 | 70-130 | 2.72 | 20 | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/05/16 16:14 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|----------|-------------------------------|-----------|----------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63803 - General Preparation | | | | | | | | | | |
| Duplicate (AG63803-DUP1) | Sou | rce: 16G180 | 8-01 | Prepared & | Analyzed: | 07/28/16 | | | | |
| Bicarbonate | 152 | 5.0 | mg/L | | 152 | | | 0.00 | 20 | |
| Carbonate Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Total Alkalinity as CaCO3 | 125 | 5.0 | mg/L | | 125 | | | 0.00 | 20 | |
| Bicarbonate Alkalinity as CaCO3 | 125 | 5.0 | mg/L | | 125 | | | 0.00 | 20 | |
| Hydroxide Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Batch AG63809 - General Preparation | | | | | | | | | | |
| Duplicate (AG63809-DUP1) | Sou | rce: 16G195 | 2-01 | Prepared & | Analyzed: | 07/21/16 | | | | |
| pH | 7.49 | 1.68 | pH Units | | 7.56 | | | 0.930 | 20 | |
| Batch AG63835 - General Preparation | | | | | | | | | | |
| Blank (AG63835-BLK1) | | | | Prepared & | Analyzed: | 07/25/16 | | | | |
| Silica | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG63835-BS1) | | | | Prepared & | Analyzed: | 07/25/16 | | | | |
| Silica | 9.92 | 1.0 | mg/L | 10.0 | | 99.2 | 85-115 | | | |
| LCS Dup (AG63835-BSD1) | | | | Prepared & | Analyzed: | 07/25/16 | | | | |
| Silica | 9.92 | 1.0 | mg/L | 10.0 | | 99.2 | 85-115 | 0.00 | 20 | |
| Duplicate (AG63835-DUP1) | Sou | rce: 16G195 | 2-03 | Prepared & | Analyzed: | 07/25/16 | | | | |
| Silica | 17.4 | 5.0 | mg/L | | 17.0 | | | 2.14 | 20 | |
| Matrix Spike (AG63835-MS1) | Sou | rce: 16G195 | 2-03 | Prepared & Analyzed: 07/25/16 | | | | | | |
| Silica | 42.3 | 5.0 | mg/L | 25.0 | 17.0 | 101 | 80-120 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/05/16 16:14 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|----------|-------------|------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63835 - General Preparation | | | | | | | | | | |
| Matrix Spike Dup (AG63835-MSD1) | Sou | rce: 16G195 | 2-03 | Prepared & | Analyzed: | 07/25/16 | | | | |
| Silica | 40.8 | 5.0 | mg/L | 25.0 | 17.0 | 94.9 | 80-120 | 3.55 | 20 | |
| Batch AG63873 - General Preparation | | | | | | | | | | |
| Duplicate (AG63873-DUP1) | Sou | rce: 16G196 | 7-01 | Prepared & | Analyzed: | 07/22/16 | | | | |
| Specific Conductance (EC) | 3280 | 20 | umhos/cm | | 3270 | | | 0.367 | 5 | |
| Batch AG63933 - General Preparation | | | | | | | | | | |
| Blank (AG63933-BLK1) | | | | Prepared: (| 07/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63933-DUP1) | Sou | rce: 16G181 | 7-01 | Prepared: (| 07/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | 117 | 1.0 | mg/L | | 155 | | | 28.1 | 30 | |
| Duplicate (AG63933-DUP2) | Sou | rce: 16G181 | 7-03 | Prepared: (| 07/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | 331 | 1.0 | mg/L | | 251 | | | 27.4 | 30 | |
| Batch AG63969 - General Preparation | | | | | | | | | | |
| Blank (AG63969-BLK1) | | | | Prepared: (| 07/22/16 A | nalyzed: 07 | /27/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| Blank (AG63969-BLK2) | | | | Prepared: (| 07/22/16 A | nalyzed: 07 | /27/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/05/16 16:14 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | Reporting | | | Spike Source % | | | | REC RPD | | |
|-------------------------------------|-----------|-------------|------------|---------------------------------------|------------|-------------|---------|---------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63969 - General Preparation | | | | | | | | | | |
| LCS (AG63969-BS1) | | | | Prepared: (| 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| Biochemical Oxygen Demand | 212 | 5.0 | mg/L | 200 | | 106 | 84-115 | | | |
| Duplicate (AG63969-DUP1) | Sou | Prepared: (|)7/22/16 A | nalyzed: 07 | /27/16 | | | | | |
| Biochemical Oxygen Demand | 180 | 5.0 | mg/L | | 203 | | | 11.9 | 30 | |
| Batch AG63987 - General Preparation | | | | | | | | | | |
| Blank (AG63987-BLK1) | | | | Prepared: (| 07/27/16 A | nalyzed: 07 | /29/16 | | | |
| Total Dissolved Solids | ND | 10 | mg/L | | | | | | | |
| Duplicate (AG63987-DUP1) | Sou | rce: 16G204 | 3-03 | Prepared: 07/27/16 Analyzed: 07/29/16 | | | /29/16 | | | |
| Total Dissolved Solids | 220 | 10 | mg/L | | 212 | | | 3.70 | 15 | |
| Duplicate (AG63987-DUP2) | Sou | rce: 16G185 | 9-02 | Prepared: 07/27/16 Analyzed: 07/29/16 | | | /29/16 | | | |
| Total Dissolved Solids | 243 | 10 | mg/L | | 257 | | | 5.60 | 15 | |
| Batch AG63995 - General Preparation | | | | | | | | | | |
| Blank (AG63995-BLK1) | | | | Prepared: (| 07/26/16 A | nalyzed: 07 | /29/16 | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63995-DUP1) | Sou | rce: 16G194 | 6-01 | Prepared: (|)7/26/16 A | nalyzed: 07 | //29/16 | | | |
| Total Suspended Solids | 88.2 | 1.0 | mg/L | | 116 | | | 27.3 | 30 | |
| Duplicate (AG63995-DUP2) | Sou | rce: 16G195 | 2-02 | Prepared: (|)7/26/16 A | nalyzed: 07 | //29/16 | | | |
| Total Suspended Solids | 492 | 1.0 | mg/L | | 406 | | | 19.1 | 30 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/05/16 16:14 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|-------------|-------|-------------|------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64039 - General Prep | | | | | | | | | | |
| LCS (AG64039-BS1) | | | | Prepared: (| 07/29/16 A | nalyzed: 08 | /04/16 | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | | | |
| LCS Dup (AG64039-BSD1) | | | | Prepared: (| 07/29/16 A | nalyzed: 08 | /04/16 | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | 0.00 | 20 | |
| Matrix Spike (AG64039-MS1) | Sou | rce: 16G182 | 6-01 | Prepared: (| 08/02/16 A | nalyzed: 08 | /04/16 | | | |
| Total Kjeldahl Nitrogen | 93.2 | 1.0 | mg/L | 22.6 | 68.6 | 108 | 75-125 | | | |
| Matrix Spike Dup (AG64039-MSD1) | Sou | rce: 16G182 | 6-01 | Prepared: (| 08/02/16 A | nalyzed: 08 | /04/16 | | | |
| Total Kjeldahl Nitrogen | 93.2 | 1.0 | mg/L | 22.6 | 68.6 | 108 | 75-125 | 0.00 | 20 | |
| Batch AG64063 - Metals Digest | | | | | | | | | | |
| Blank (AG64063-BLK1) | | | | Prepared: (| 07/29/16 A | nalyzed: 08 | /02/16 | | | |
| Hardness, Total | ND | 5 | mg/L | | | | | | | |
| Duplicate (AG64063-DUP1) | Sou | rce: 16G202 | 4-02 | Prepared: (| 07/29/16 A | nalyzed: 08 | /02/16 | | | |
| Hardness, Total | 130 | 5 | mg/L | | 128 | | | 1.20 | 20 | |
| Batch AH63124 - General Prep | | | | | | | | | | |
| Blank (AH63124-BLK1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | | | | | | |
| LCS (AH63124-BS1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | |
| Phosphorus, total | 0.196 | 0.040 | mg/L | 0.200 | | 98.0 | 85-115 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/05/16 16:14 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|-------|------------|-----------|----------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63124 - General Prep | | | | | | | | | | |
| Duplicate (AH63124-DUP1) | Sou | rce: 16G249 | 3-01 | Prepared & | Analyzed: | 08/01/16 | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | ND | | | 0.00 | 20 | |
| Matrix Spike (AH63124-MS1) | Sou | rce: 16G249 | 3-01 | Prepared & | Analyzed: | 08/01/16 | | | | |
| Phosphorus, total | 0.188 | 0.040 | mg/L | 0.200 | ND | 83.8 | 70-130 | | | |
| Matrix Spike Dup (AH63124-MSD1) | Sou | rce: 16G249 | 3-01 | Prepared & | Analyzed: | 08/01/16 | | | | |
| Phosphorus, total | 0.189 | 0.040 | mg/L | 0.200 | ND | 84.5 | 70-130 | 0.700 | 20 | |
| Batch AH63227 - General Preparation | | | | | | | | | | |
| Blank (AH63227-BLK1) | | | | Prepared & | Analyzed: | 08/03/16 | | | | |
| Ammonia as NH3 | ND | 0.50 | mg/L | | | | | | | |
| LCS (AH63227-BS1) | | | | Prepared & | Analyzed: | 08/03/16 | | | | |
| Ammonia as NH3 | 5.85 | 0.50 | mg/L | 6.10 | | 96.0 | 90-110 | | | |
| LCS Dup (AH63227-BSD1) | | | | Prepared & | Analyzed: | 08/03/16 | | | | |
| Ammonia as NH3 | 6.07 | 0.50 | mg/L | 6.10 | | 99.5 | 90-110 | 3.57 | 10 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/05/16 16:14 |

Anions by EPA Method 300.0 - Quality Control

| Analyte(s) | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC | RPD | RPD Limit | Flag |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|----------|--------|-------|--------------|-------|
| | Result | Linnt | emis | Lever | Result | /mee | Linito | Iu D | Linit | |
| Batch AG63805 - General Preparation | | | | | | | | | | |
| Blank (AG63805-BLK1) | | | | Prepared & | Analyzed: | 07/22/16 | | | | |
| Chloride | ND | 0.50 | mg/L | | | | | | | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | | | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | | | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG63805-BS1) | | | | Prepared & | Analyzed: | 07/22/16 | | | | |
| Nitrate as NO3 | 26 | 1.0 | mg/L | 24.7 | | 105 | 90-110 | | | |
| Sulfate as SO4 | 23.2 | 0.50 | mg/L | 22.2 | | 104 | 90-110 | | | |
| Chloride | 11.5 | 0.50 | mg/L | 11.1 | | 104 | 90-110 | | | |
| Nitrate as N | 5.87 | 0.20 | mg/L | 5.56 | | 106 | 90-110 | | | |
| Nitrite as N | 5.58 | 0.20 | mg/L | 5.56 | | 100 | 90-110 | | | |
| Nitrite as NO2 | 18.3 | 1.0 | mg/L | 18.2 | | 101 | 90-110 | | | |
| Duplicate (AG63805-DUP1) | So | urce: 16G2020 | 0-01 | Prepared & | Analyzed: | 07/23/16 | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | ND | | | 0.494 | 20 | |
| Chloride | 40.7 | 2.5 | mg/L | | 41.2 | | | 1.32 | 20 | |
| Nitrite as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Sulfate as SO4 | 28.9 | 0.50 | mg/L | | 29.0 | | | 0.166 | 20 | |
| Nitrate as N | ND | 0.20 | mg/L | | ND | | | 0.494 | 20 | |
| Matrix Spike (AG63805-MS1) | So | urce: 16G2020 | 0-01 | Prepared & | Analyzed: | 07/23/16 | | | | |
| Nitrite as N | 3.33 | 1.0 | mg/L | 5.56 | ND | 59.9 | 80-120 | | | QM-05 |
| Chloride | 51.8 | 2.5 | mg/L | 11.1 | 41.2 | 95.5 | 80-120 | | | |
| Nitrate as NO3 | 26 | 5.0 | mg/L | 24.7 | ND | 103 | 80-120 | | | |
| Nitrate as N | 5.79 | 1.0 | mg/L | 5.56 | ND | 103 | 80-120 | | | |
| Nitrite as NO2 | 10.9 | 5.0 | mg/L | 18.2 | ND | 60.0 | 80-120 | | | QM-05 |
| Sulfate as SO4 | 52.9 | 2.5 | mg/L | 22.2 | 29.0 | 108 | 80-120 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/05/16 16:14 |

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 AG63805 - General Preparation | | | | | | | | | | |
| Matrix Spike (AG63805-MS2) | So | urce: 16G195 | 7-01 | Prepared & | & Analyzed: | : 07/23/16 | | | | |
| Nitrate as N | 6.08 | 1.0 | mg/L | 5.56 | ND | 106 | 80-120 | | | |
| Sulfate as SO4 | 63.9 | 2.5 | mg/L | 22.2 | 39.1 | 111 | 80-120 | | | |
| Nitrate as NO3 | 27 | 5.0 | mg/L | 24.7 | ND | 105 | 80-120 | | | |
| Chloride | 30.3 | 2.5 | mg/L | 11.1 | 17.5 | 115 | 80-120 | | | |
| Nitrite as NO2 | 18.0 | 5.0 | mg/L | 18.2 | ND | 98.8 | 80-120 | | | |
| Nitrite as N | 5.48 | 1.0 | mg/L | 5.56 | ND | 98.6 | 80-120 | | | |
| Matrix Spike Dup (AG63805-MSD1) | So | urce: 16G202 | 0-01 | Prepared & | & Analyzed: | 07/23/16 | | | | |
| Sulfate as SO4 | 52.9 | 2.5 | mg/L | 22.2 | 29.0 | 108 | 80-120 | 0.0735 | 20 | |
| Nitrate as NO3 | 26 | 5.0 | mg/L | 24.7 | ND | 104 | 80-120 | 0.669 | 20 | |
| Nitrate as N | 5.83 | 1.0 | mg/L | 5.56 | ND | 104 | 80-120 | 0.669 | 20 | |
| Nitrite as NO2 | 11.0 | 5.0 | mg/L | 18.2 | ND | 60.3 | 80-120 | 0.500 | 20 | QM-05 |
| Nitrite as N | 3.34 | 1.0 | mg/L | 5.56 | ND | 60.2 | 80-120 | 0.500 | 20 | QM-05 |
| Chloride | 52.1 | 2.5 | mg/L | 11.1 | 41.2 | 97.8 | 80-120 | 0.481 | 20 | |
| | | | | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/05/16 16:14 |

Notes and Definitions

- 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-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.
- ND Analyte NOT DETECTED at or above the reporting limit
- Sample results reported on a dry weight basis dry
- REC Recovery
- RPD Relative Percent Difference

| | | 925-82 | 28-62 | 26 F | 925 | 828- | 6309 | 9 | | | | | | | | | | | | | Lab I | No. <u> </u> | <u></u> | <u>/_</u> | 1 | -1- | | e | _of | | 7.U |
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| Company/Namo: West Bay Sanitary District | | Project i | D: | 10/ | <u> </u> | 4- | | · | | | | | F | | Sig | Inatum | e belo | w auti | norize | es wor | k und | er ter | ms st | ated | on rev | verse side. | | | | | |
| | | | | VV | | VIO | | lor | ing | | | | | | | | A | nalys | sis F | lequ | est | | | | | Sample | e Notes | | TAT | | |
| Malling Address: 500 Laurel Street Menio Park, CA 94025 | | Project 1 | No: | | | | | | _ | | | | ┢ | | | 5 | | 6 | | | | | | | | | | | 24 hr | | 5.0 |
| Project Contact & Email (Hardcopy or PDF 1 Iohn Simonetti <u>simonetti@westbaysanitary.org</u> | to): | POŧ | 7 | | | | | | | | | | | | M o | SN SN | | 02' NO | e | lation | | | | | | | | | | d For Ru | |
| Phone/Fax: | | Site Con | | - ir | ~ | < | - \ | ር ነር ተ | eH | | | | 1 | | A A | osphor | | , EC, N | trbonat | Calcu | | | | | 0 | rd m | | | Approval Required | _I I Require | |
| Field Sampler - Print Name & Signature | | <u> </u> | | Con | taine | | Pre | sen | vativ | /e | Mat | trix | 1 | | Ň | ĨĔ | ygen | oride | Bice | sted | | | | | Cal | N. | | | | prova | |
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| | | + <u></u> | | | | _ | | | | | | | 1 - | <u> </u> | + | - | | + | | | _ | | | _ | | | | | | | |



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ELAP Certificates 1551, 2728, and 2922

09 August 2016

West Bay Sanitary District Attn: John Simonetti 500 Laurel Street Menlo Park, CA 94025 RE: WQ Monitoring Work Order: 16G2111

Enclosed are the results of analyses for samples received by the laboratory on 07/25/16 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Popli

Jeanette L. Poplin For Robbie C. Phillips Project Manager



e-mail: clientservices @alpha-labs.com

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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/09/16 16:17 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| G13104 / 072116A | 16G2111-01 | Water | 07/22/16 09:10 | 07/25/16 21:00 |
| G13220 / 072116B | 16G2111-02 | Water | 07/22/16 09:50 | 07/25/16 21:00 |
| G13223 / 072116C | 16G2111-03 | Water | 07/22/16 08:35 | 07/25/16 21:00 |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Pr F | Project Manager: John Simonetti Project: WQ Monitoring Project Number: [none] | | | | | | | | |
|---|---------------|---|----------|---------|----------------|----------------|---------------|------|--|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | |
| G13104 / 072116A (16G2111-01) | | Sample Type: | : Water | | Sample | | | | | |
| Metals (Drinking Water) by EPA 200 Series M | lethods | | | | | | | | | |
| Potassium | 16 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:17 | EPA 200.7 | | | |
| Metals by EPA 200 Series Methods | | | | | | | | | | |
| Aluminum | 0.80 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:17 | EPA 200.7 | | | |
| Boron | 0.19 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:17 | EPA 200.7 | | | |
| Calcium | 20 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:17 | EPA 200.7 | | | |
| Iron | 2.7 mg/L | 0.10 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:17 | EPA 200.7 | | | |
| Magnesium | 5.1 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:17 | EPA 200.7 | | | |
| Manganese | 0.097 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:17 | EPA 200.7 | | | |
| Sodium | 45 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:17 | EPA 200.7 | | | |
| Zinc | 0.31 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:17 | EPA 200.7 | | | |
| Conventional Chemistry Parameters by APH. | A/EPA Methods | | | | | | | | | |
| Ammonia as NH3 | 49 mg/L | 0.50 | 1 | AH63376 | 08/08/16 08:11 | 08/09/16 17:00 | SM4500NH3C | | | |
| Bicarbonate | 260 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | |
| Biochemical Oxygen Demand | 210 mg/L | 5.0 | 1 | AG63969 | 07/22/16 18:00 | 07/27/16 12:30 | SM5210B | | | |
| рН | 7.40 pH U | nits 1.68 | 1 | AG63920 | 07/25/16 19:00 | 07/25/16 19:00 | SM4500-H+ B | T-14 | | |
| Specific Conductance (EC) | 720 umho | s/cm 20 | 1 | AG63944 | 07/26/16 16:00 | 07/26/16 17:00 | SM2510B | | | |
| Total Dissolved Solids | 380 mg/L | 10 | 1 | AG64010 | 07/28/16 12:00 | 08/03/16 12:08 | SM2540C | | | |
| Total Suspended Solids | 590 mg/L | 1.0 | 1 | AG63995 | 07/28/16 08:09 | 07/29/16 13:49 | SM2540D | | | |
| Volatile Suspended Solids | 550 mg/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | | | |
| Silica | 16 mg/L | 5.0 | 5 | AH63132 | 08/01/16 09:30 | 08/01/16 12:00 | SM4500-SiO2 C | | | |
| Bicarbonate Alkalinity as CaCO3 | 220 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | |
| Total Alkalinity as CaCO3 | 220 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | |
| Total Kjeldahl Nitrogen | 48 mg/L | 1.0 | 1 | AG64039 | 08/04/16 06:49 | 08/05/16 10:35 | SM4500-Norg B | | | |
| Total Nitrogen | 48 mg/L | 1.0 | 1 | AH63264 | 08/03/16 15:38 | 08/05/16 11:55 | SM4500-N | | | |
| Hardness, Total | 72 mg/L | 5 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:17 | SM2340B | | | |
| Phosphorus, total | 6.6 mg/L | 0.80 | 2 | AH63124 | 08/01/16 07:45 | 08/01/16 15:02 | SM4500-P E | | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proje Proj | Project Manager: John Simonetti Project: WQ Monitoring Project Number: [none] | | | | | | |
|---|---------------|---|----------|---------|----------------|-------------------|-----------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13104 / 072116A (16G2111-01) | | Sample Type: | : Water | | Sample | d: 07/22/16 09:10 | | |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters | | | | - | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.56 NA | | 1 | AG64063 | 07/29/16 12:11 | 08/08/16 05:15 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 53 mg/L | 5.0 | 10 | AG63895 | 07/26/16 14:26 | 07/26/16 14:26 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63895 | 07/26/16 14:42 | 07/26/16 14:42 | EPA 300.0 | T-: |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63895 | 07/26/16 14:42 | 07/26/16 14:42 | EPA 300.0 | T-: |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63985 | 07/27/16 13:10 | 07/27/16 13:10 | EPA 300.0 | T-: |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63985 | 07/27/16 13:10 | 07/27/16 13:10 | EPA 300.0 | T-: |
| Sulfate as SO4 | 20 mg/L | 0.50 | 1 | AG63895 | 07/26/16 14:42 | 07/26/16 14:42 | EPA 300.0 | |
| G13220 / 072116B (16G2111-02) | | Sample Type: | : Water | | Sample | d: 07/22/16 09:50 | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | |
| Potassium | 18 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:22 | EPA 200.7 | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 0.38 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:22 | EPA 200.7 | |
| Boron | 0.15 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:22 | EPA 200.7 | |
| Calcium | 16 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:22 | EPA 200.7 | |
| Iron | 3.2 mg/L | 0.10 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:22 | EPA 200.7 | |
| Magnesium | 7.9 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:22 | EPA 200.7 | |
| Manganese | 0.055 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:22 | EPA 200.7 | |
| Sodium | 45 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:22 | EPA 200.7 | |
| Zinc | 0.14 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:22 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | | Projec Projec | t Manager: Joł Project: WC ct Number: [no | nn Simor) Monitor ne] | netti ing | | | R(08/09/1 | eported: I6 16:17 |
|---|---------------|------------------|---|------------------------------|--------------|----------------|-------------------|---------------|----------------------|
| | Resul | t | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13220 / 072116B (16G2111-02) | | | Sample Type: | Water | | Sample | d: 07/22/16 09:50 | | |
| Conventional Chemistry Parameters by APHA | /EPA Methods | | | | | - | | | |
| Ammonia as NH3 | 60 | mg/L | 0.50 | 1 | AH63376 | 08/08/16 08:11 | 08/09/16 17:00 | SM4500NH3C | |
| Bicarbonate | 330 | mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Biochemical Oxygen Demand | 120 | mg/L | 5.0 | 1 | AG63969 | 07/22/16 18:00 | 07/27/16 12:30 | SM5210B | |
| рН | 7.36 | pH Units | 1.68 | 1 | AG63920 | 07/25/16 19:00 | 07/25/16 19:00 | SM4500-H+ B | T-1- |
| Specific Conductance (EC) | 870 | umhos/cm | 20 | 1 | AG63944 | 07/26/16 16:00 | 07/26/16 17:00 | SM2510B | |
| Total Dissolved Solids | 390 | mg/L | 10 | 1 | AG64010 | 07/28/16 12:00 | 08/02/16 17:02 | SM2540C | |
| Total Suspended Solids | 370 | mg/L | 1.0 | 1 | AG63995 | 07/28/16 08:09 | 07/29/16 13:49 | SM2540D | |
| Volatile Suspended Solids | 340 | mg/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | |
| Silica | 15 | mg/L | 5.0 | 5 | AH63132 | 08/01/16 09:30 | 08/01/16 12:00 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 270 | mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND | mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND | mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Total Alkalinity as CaCO3 | 270 | mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Total Kjeldahl Nitrogen | 67 | mg/L | 1.0 | 1 | AG64039 | 08/04/16 06:49 | 08/05/16 10:35 | SM4500-Norg B | |
| Total Nitrogen | 67 | mg/L | 1.0 | 1 | AH63264 | 08/03/16 15:38 | 08/05/16 11:55 | SM4500-N | |
| Hardness, Total | 72 | mg/L | 5 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:22 | SM2340B | |
| Phosphorus, total | 8.2 | mg/L | 0.80 | 2 | AH63124 | 08/01/16 07:45 | 08/01/16 15:02 | SM4500-P E | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.57 | NA | | 1 | AG64063 | 07/29/16 12:11 | 08/08/16 05:15 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | | |
| Chloride | 53 | mg/L | 5.0 | 10 | AG63895 | 07/26/16 14:59 | 07/26/16 14:59 | EPA 300.0 | |
| Nitrate as N | ND | mg/L | 0.20 | 1 | AG63895 | 07/26/16 15:15 | 07/26/16 15:15 | EPA 300.0 | T- |
| Nitrate as NO3 | ND | mg/L | 1.0 | 1 | AG63895 | 07/26/16 15:15 | 07/26/16 15:15 | EPA 300.0 | T- |
| Nitrite as N | ND | mg/L | 0.20 | 1 | AG63985 | 07/27/16 13:26 | 07/27/16 13:26 | EPA 300.0 | T- |
| Nitrite as NO2 | ND | mg/L | 1.0 | 1 | AG63985 | 07/27/16 13:26 | 07/27/16 13:26 | EPA 300.0 | T- |
| Sulfate as SO4 | 40 | mg/L | 0.50 | 1 | AG63895 | 07/26/16 15:15 | 07/26/16 15:15 | EPA 300.0 | |
| G13223 / 072116C (16G2111-03) | | | Sample Type: | Water | | Sample | d: 07/22/16 08:35 | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | |
| Potassium | 17 | mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:27 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj Pro | ect Manager: Jol Project: WC oject Number: [no | hn Simor Q Monitor ne] | netti ring | | | Re 08/09/1 | sported: 6 16:17 |
|---|---------------|--|------------------------------|---------------|----------------|-------------------|---------------|---------------------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 072116C (16G2111-03) | | Sample Type | : Water | | Sample | d: 07/22/16 08:35 | | |
| Metals by EPA 200 Series Methods | | | | | - | | | |
| Aluminum | 0.69 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:27 | EPA 200.7 | |
| Boron | 0.18 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:27 | EPA 200.7 | |
| Calcium | 17 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:27 | EPA 200.7 | |
| Iron | 1.6 mg/L | 0.10 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:27 | EPA 200.7 | |
| Magnesium | 6.4 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:27 | EPA 200.7 | |
| Manganese | 0.060 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:27 | EPA 200.7 | |
| Sodium | 62 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:27 | EPA 200.7 | |
| Zinc | 0.23 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:27 | EPA 200.7 | |
| Conventional Chemistry Parameters by APH. | A/EPA Methods | | | | | | | |
| Ammonia as NH3 | 53 mg/L | 0.50 | 1 | AH63376 | 08/08/16 08:11 | 08/09/16 17:00 | SM4500NH3C | |
| Bicarbonate | 280 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Biochemical Oxygen Demand | 120 mg/L | 5.0 | 1 | AG63969 | 07/22/16 18:00 | 07/27/16 12:30 | SM5210B | |
| рН | 7.51 nH Unit | s 1.68 | 1 | AG63920 | 07/25/16 19:00 | 07/25/16 19:00 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 860 umhos/c | rm 20 | 1 | AG63944 | 07/26/16 16:00 | 07/26/16 17:00 | SM2510B | |
| Total Dissolved Solids | 380 mg/L | 10 | 1 | AG64010 | 07/28/16 12:00 | 08/03/16 12:08 | SM2540C | |
| Total Suspended Solids | 230 mg/L | 1.0 | 1 | AG63995 | 07/28/16 08:09 | 07/29/16 13:49 | SM2540D | |
| Volatile Suspended Solids | 210 mg/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | |
| Silica | 15 mg/L | 5.0 | 5 | AH63132 | 08/01/16 09:30 | 08/01/16 12:00 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 230 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Total Alkalinity as CaCO3 | 230 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Total Kjeldahl Nitrogen | 57 mg/L | 1.0 | 1 | AG64039 | 08/04/16 06:49 | 08/05/16 10:35 | SM4500-Norg B | |
| Total Nitrogen | 57 mg/L | 1.0 | 1 | AH63264 | 08/03/16 15:38 | 08/05/16 11:55 | SM4500-N | |
| Hardness, Total | 69 mg/L | 5 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:27 | SM2340B | |
| Phosphorus, total | 6.4 mg/L | 0.80 | 2 | AH63124 | 08/01/16 07:45 | 08/01/16 15:02 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | t Bay Sanitary District Project Manager: John Simonetti Laurel Street Project: WQ Monitoring lo Park, CA 94025 Project Number: [none] | | | | | | | | | |
|---|---|-----------------|-------------------|---------|----------------|----------------|-----------|------|--|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | |
| G13223 / 072116C (16G2111-03) | | Sample Type: | d: 07/22/16 08:35 | | | | | | | |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters | | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 3.54 NA | | 1 | AG64063 | 07/29/16 12:11 | 08/08/16 05:15 | SAR | | | |
| Anions by EPA Method 300.0 | | | | | | | | | | |
| Chloride | 84 mg/L | 5.0 | 10 | AG63895 | 07/26/16 15:31 | 07/26/16 15:31 | EPA 300.0 | | | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63895 | 07/26/16 15:48 | 07/26/16 15:48 | EPA 300.0 | T-5 | | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63895 | 07/26/16 15:48 | 07/26/16 15:48 | EPA 300.0 | T-5 | | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63985 | 07/27/16 13:43 | 07/27/16 13:43 | EPA 300.0 | T-5 | | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63985 | 07/27/16 13:43 | 07/27/16 13:43 | EPA 300.0 | T-5 | | |
| Sulfate as SO4 | 32 mg/L | 0.50 | 1 | AG63895 | 07/26/16 15:48 | 07/26/16 15:48 | EPA 300.0 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/09/16 16:17 |

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

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|--------------|-------|---------------------------------------|------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64063 - Metals Digest | | | | | | | | | | |
| Blank (AG64063-BLK1) | | | | Prepared: (| 07/29/16 A | nalyzed: 08 | /02/16 | | | |
| Potassium | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG64063-BS1) | | | | Prepared: (|)7/29/16 A | nalyzed: 08 | /02/16 | | | |
| Potassium | 7.50 | 1.0 | mg/L | 8.00 | | 93.8 | 85-115 | | | |
| Duplicate (AG64063-DUP1) | Sou | rce: 16G2024 | 4-02 | Prepared: (|)7/29/16 A | nalyzed: 08 | /02/16 | | | |
| Potassium | 13.1 | 1.0 | mg/L | | 13.1 | | | 0.197 | 20 | |
| Matrix Spike (AG64063-MS1) | Sou | rce: 16G2024 | 4-02 | Prepared: 07/29/16 Analyzed: 08/02/16 | | | | | | |
| Potassium | 21.2 | 1.0 | mg/L | 8.00 | 13.1 | 102 | 70-130 | | | |
| Matrix Spike (AG64063-MS2) | Sou | rce: 16G2143 | 3-01 | Prepared: (|)7/29/16 A | nalyzed: 08 | /02/16 | | | |
| Potassium | 9.43 | 1.0 | mg/L | 8.00 | 1.93 | 93.8 | 70-130 | | | |
| Matrix Spike Dup (AG64063-MSD1) | Sou | rce: 16G2024 | 4-02 | Prepared: (|)7/29/16 A | nalyzed: 08 | /02/16 | | | |
| Potassium | 20.8 | 1.0 | mg/L | 8.00 | 13.1 | 96.7 | 70-130 | 1.94 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/09/16 16:17 |

Metals by EPA 200 Series Methods - Quality Control

| A maluta(a) | Degult | Reporting | Unita | Spike | Source | 0/DEC | %REC | DDD | RPD Limit | Flag |
|-------------------------------|--------|----------------|-------|-------------|---------------------------------------|-------------|----------|-------|--------------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | 70KEU | LIIIIIts | KPD | LIIIII | Ting |
| Batch AG64063 - Metals Digest | | | | | | | | | | |
| Blank (AG64063-BLK1) | | | | Prepared: 0 | 07/29/16 Ar | alyzed: 08 | /02/16 | | | |
| 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 (AG64063-BS1) | | | | Prepared: 0 | 07/29/16 Ar | nalyzed: 08 | /02/16 | | | |
| Aluminum | 1.87 | 0.050 | mg/L | 2.00 | | 93.6 | 85-115 | | | |
| Boron | 0.361 | 0.050 | mg/L | 0.400 | | 90.3 | 85-115 | | | |
| Calcium | 7.34 | 1.0 | mg/L | 8.00 | | 91.8 | 85-115 | | | |
| Iron | 1.92 | 0.10 | mg/L | 2.00 | | 95.9 | 85-115 | | | |
| Magnesium | 7.19 | 1.0 | mg/L | 8.00 | | 89.8 | 85-115 | | | |
| Manganese | 0.190 | 0.020 | mg/L | 0.200 | | 95.1 | 85-115 | | | |
| Sodium | 7.66 | 1.0 | mg/L | 8.00 | | 95.7 | 85-115 | | | |
| Zinc | 0.185 | 0.020 | mg/L | 0.200 | | 92.7 | 85-115 | | | |
| Duplicate (AG64063-DUP1) | Se | ource: 16G2024 | 4-02 | Prepared: 0 | Prepared: 07/29/16 Analyzed: 08/02/16 | | | | | |
| Aluminum | ND | 0.050 | mg/L | | ND | | | | 20 | |
| Boron | ND | 0.050 | mg/L | | ND | | | 6.77 | 20 | |
| Calcium | 36.7 | 1.0 | mg/L | | 36.3 | | | 0.892 | 20 | |
| Iron | ND | 0.10 | mg/L | | ND | | | 3.64 | 20 | |
| Magnesium | 9.27 | 1.0 | mg/L | | 9.09 | | | 1.93 | 20 | |
| Manganese | ND | 0.020 | mg/L | | ND | | | 2.91 | 20 | |
| Sodium | 41.0 | 1.0 | mg/L | | 40.7 | | | 0.781 | 20 | |
| Zinc | 0.0391 | 0.020 | mg/L | | 0.0388 | | | 0.572 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/09/16 16:17 |

Metals by EPA 200 Series Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------------------|---------------|-------------|-------------|------------|-------------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64063 - Metals Digest | | | | | | | | | | |
| Matrix Spike (AG64063-MS1) | Source: 16G2024-02 | | | Prepared: (| 07/29/16 A | nalyzed: 08 | | | | |
| Aluminum | 1.91 | 0.050 | mg/L | 2.00 | ND | 93.2 | 70-130 | | | |
| Boron | 0.400 | 0.050 | mg/L | 0.400 | ND | 91.5 | 70-130 | | | |
| Calcium | 44.5 | 1.0 | mg/L | 8.00 | 36.3 | 102 | 70-130 | | | |
| Iron | 1.95 | 0.10 | mg/L | 2.00 | ND | 96.2 | 70-130 | | | |
| Magnesium | 17.5 | 1.0 | mg/L | 8.00 | 9.09 | 106 | 70-130 | | | |
| Manganese | 0.203 | 0.020 | mg/L | 0.200 | ND | 96.4 | 70-130 | | | |
| Sodium | 48.7 | 1.0 | mg/L | 8.00 | 40.7 | 99.8 | 70-130 | | | |
| Zinc | 0.235 | 0.020 | mg/L | 0.200 | 0.0388 | 97.9 | 70-130 | | | |
| M-4 S | 5. | 16C214 | 2 04 | Draparad: (| 7/20/16 4 | aluzad: 08 | /02/16 | | | |
| Matrix Spike (AG64063-MS2) | 12.5 | 0.050 | 5-01 | 2.00 | 01/29/10 A | 217 | 70.120 | | | OM 4V |
| Alaminam Daran | 0.477 | 0.030 | mg/L | 2.00 | 8.11 | 217 | 70-130 | | | QM-4A |
| Boron | 0.477 | 0.050 | mg/L | 0.400 | 0.117 | 89.9 | 70-130 | | | |
| Calcium | 94.2 | 1.0 | mg/L | 8.00 | 85.2 | 113 | 70-130 | | | |
| Iron | 6.96 | 0.10 | mg/L | 2.00 | 4.58 | 119 | 70-130 | | | |
| Magnesium | 46.4 | 1.0 | mg/L | 8.00 | 38.5 | 98.7 | 70-130 | | | |
| Manganese | 0.404 | 0.020 | mg/L | 0.200 | 0.222 | 90.9 | 70-130 | | | |
| Sodium | 23.2 | 1.0 | mg/L | 8.00 | 15.6 | 95.1 | 70-130 | | | |
| Zinc | 0.211 | 0.020 | mg/L | 0.200 | 0.0233 | 93.6 | 70-130 | | | |
| Matrix Spike Dup (AG64063-MSD1) | So | ource: 16G202 | 4-02 | Prepared: (| 07/29/16 A | nalyzed: 08 | /02/16 | | | |
| Aluminum | 1.85 | 0.050 | mg/L | 2.00 | ND | 90.4 | 70-130 | 2.94 | 20 | |
| Boron | 0.393 | 0.050 | mg/L | 0.400 | ND | 89.9 | 70-130 | 1.58 | 20 | |
| Calcium | 44.4 | 1.0 | mg/L | 8.00 | 36.3 | 101 | 70-130 | 0.232 | 20 | |
| Iron | 1.89 | 0.10 | mg/L | 2.00 | ND | 93.4 | 70-130 | 2.90 | 20 | |
| Magnesium | 17.1 | 1.0 | mg/L | 8.00 | 9.09 | 99.7 | 70-130 | 2.68 | 20 | |
| Manganese | 0.197 | 0.020 | mg/L | 0.200 | ND | 93.5 | 70-130 | 2.88 | 20 | |
| Sodium | 48.6 | 1.0 | mg/L | 8.00 | 40.7 | 99.0 | 70-130 | 0.130 | 20 | |
| Zinc | 0.228 | 0.020 | mg/L | 0.200 | 0.0388 | 94.7 | 70-130 | 2.72 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/09/16 16:17 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| Angleta (c) | Dervilt | Reporting | 11:4- | Spike | Source | 0/DEC | %REC | DDD | RPD Limit | Flag |
|-------------------------------------|--------------------|-------------|----------|-------------------------------|------------|-------------|--------|-------|--------------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Tiag |
| Batch AG63920 - General Preparation | | | | | | | | | | |
| Duplicate (AG63920-DUP1) | Sou | rce: 16G211 | 1-01 | Prepared & | Analyzed: | 07/25/16 | | | | |
| pH | 7.47 | 1.68 | pH Units | | 7.40 | | | 0.941 | 20 | |
| Batch AG63933 - General Preparation | | | | | | | | | | |
| Blank (AG63933-BLK1) | | | | Prepared: (| 07/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63933-DUP1) | Source: 16G1817-01 | | | Prepared: (|)7/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | 117 | 1.0 | mg/L | | 155 | | | 28.1 | 30 | |
| Duplicate (AG63933-DUP2) | Sou | rce: 16G181 | 7-03 | Prepared: (| 07/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | 331 | 1.0 | mg/L | | 251 | | | 27.4 | 30 | |
| Batch AG63944 - General Preparation | | | | | | | | | | |
| Duplicate (AG63944-DUP1) | Sou | rce: 16G221 | 8-02 | Prepared & Analyzed: 07/26/16 | | | | | | |
| Specific Conductance (EC) | 212 | 20 | umhos/cm | | 209 | | | 1.43 | 5 | |
| Batch AG63963 - General Preparation | | | | | | | | | | |
| Duplicate (AG63963-DUP1) | Sou | rce: 16G211 | 1-01 | Prepared & | Analyzed: | 07/29/16 | | | | |
| Bicarbonate | 262 | 5.0 | mg/L | | 262 | | | 0.00 | 20 | |
| Carbonate Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Bicarbonate Alkalinity as CaCO3 | 215 | 5.0 | mg/L | | 215 | | | 0.00 | 20 | |
| Total Alkalinity as CaCO3 | 215 | 5.0 | mg/L | | 215 | | | 0.00 | 20 | |
| Hydroxide Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/09/16 16:17 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | Reporting | | Spike | Source | | %REC | | RPD | |
|--------------------|---|---|--|---|--|---|---|---|--|
| Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| | | | | | | | | | |
| | | | Prepared: (| 07/22/16 A | nalyzed: 07 | /27/16 | | | |
| ND | 5.0 | mg/L | | | | | | | |
| | | | Prepared: (| 07/22/16 A | nalyzed: 07 | /27/16 | | | |
| ND | 5.0 | mg/L | | | | | | | |
| | | | Prepared: (| 07/20/16 A | nalyzed: 07 | /25/16 | | | |
| 212 | 5.0 | mg/L | 200 | | 106 | 84-115 | | | |
| Source: 16G2149-01 | | | Prepared: (|)7/22/16 A | nalyzed: 07 | /27/16 | | | |
| 180 | 5.0 | mg/L | | 203 | | | 11.9 | 30 | |
| | | | | | | | | | |
| | | | Prepared: (| 07/26/16 A | nalyzed: 07 | /29/16 | | | |
| ND | 1.0 | mg/L | | | | | | | |
| Sou | urce: 16G194 | 6-01 | Prepared: 07/26/16 Analyzed: 07/29/16 | | | | | | |
| 88.2 | 1.0 | mg/L | | 116 | | | 27.3 | 30 | |
| Sou | urce: 16G195 | 2-02 | Prepared: (| 07/26/16 A | nalyzed: 07 | //29/16 | | | |
| 492 | 1.0 | mg/L | | 406 | | | 19.1 | 30 | |
| | | | | | | | | | |
| | | | Prepared: (| 07/28/16 A | nalyzed: 08 | /02/16 | | | |
| ND | 10 | mg/L | | | | | | | |
| | Result ND ND 212 Sot 180 ND 88.2 Sot 492 ND | Result Reporting Limit Result Limit ND 5.0 ND 5.0 ND 5.0 ND 5.0 Source: 16G214 10 ND 1.0 Source: 16G194 88.2 492 1.0 ND 10 | Result Reporting Limit Units ND 5.0 mg/L ND 5.0 mg/L ND 5.0 mg/L 212 5.0 mg/L Source: 16G2149-U 10 mg/L 180 5.0 mg/L ND 1.0 mg/L 88.2 1.0 mg/L 492 1.0 mg/L ND 1.0 mg/L | Result Reporting Spike Result Limit Units Level ND 5.0 mg/L Prepared: 0 212 5.0 mg/L 200 Source: 16G2149-0 Prepared: 0 Prepared: 0 ND 5.0 mg/L 200 Source: 16G2149-0 Prepared: 0 Prepared: 0 ND 1.0 mg/L Prepared: 0 Source: 16G1952-02 Prepared: 0 Prepared: 0 MD 1.0 mg/L Prepared: 0 MD 1.0 mg/L Prepared: 0 | Reporting Result Spike Limit Spike Units Source Result ND 5.0 mg/L Prepared: 07/22/16 A ND 5.0 mg/L 200 Image: 100 mg/L Source: 16G2149-01 Prepared: 07/26/16 A A 180 5.0 mg/L 203 MD 1.0 mg/L 203 Source: 16G1946-01 Prepared: 07/26/16 A A 88.2 1.0 mg/L 116 Source: 16G1952-02 Prepared: 07/26/16 A A 492 1.0 mg/L 406 | Reporting Result Spike Source Result WREC Result Limit Units Level Result %REC ND 5.0 mg/L Prepared: 07/22/16 Analyzed: 07 ND 5.0 mg/L Prepared: 07/20/16 Analyzed: 07 ND 5.0 mg/L Prepared: 07/20/16 Analyzed: 07 212 5.0 mg/L 200 106 Source: 16G2149-01 Prepared: 07/22/16 Analyzed: 07 180 5.0 mg/L 203 ND 1.0 mg/L 203 Source: 16G1946-01 Prepared: 07/26/16 Analyzed: 07 88.2 1.0 mg/L 116 Source: 16G1952-02 Prepared: 07/26/16 Analyzed: 07 492 1.0 mg/L 406 ND 10 mg/L 406 | Reporting ResultSpike LimitSource%REC %REC%REC LimitsResultLimitUnitsLevelResult%RECLimitsND5.0mg/LPrepared: $07/22/16$ Analyzed: $07/27/16$ ND5.0mg/LPrepared: $07/20/16$ Analyzed: $07/25/16$ ND5.0mg/LPrepared: $07/20/16$ Analyzed: $07/25/16$ 2125.0mg/L20010684-115Source: $16G2149$ -UPrepared: $07/22/16$ Analyzed: $07/27/16$ 1805.0mg/L203TND1.0mg/L203TSource: $16G194$ -UPrepared: $07/26/16$ Analyzed: $07/29/16$ 88.21.0mg/L116Source: $16G195$ -UPrepared: $07/26/16$ Analyzed: $07/29/16$ 4921.0mg/L406ND10mg/LND10mg/L | ResultReporting LimitSpike UnitsSource Result $%REC$ $%REC$ RPDResultUnitsLevelResult $\%REC$ LimitsRPDND 5.0 mg/L $Prepared: 07/22/16 Analyzed: 07/27/16$ $Prepared: 07/22/16 Analyzed: 07/27/16$ $Prepared: 07/20/16 Analyzed: 07/27/16$ ND 5.0 mg/L $Prepared: 07/20/16 Analyzed: 07/25/16$ $Prepared: 07/20/16 Analyzed: 07/27/16$ 212 5.0 mg/L 200 106 $84-115$ Source: $16G2149$ -UPrepared: $07/22/16 Analyzed: 07/27/16$ $Prepared: 07/22/16 Analyzed: 07/27/16$ 180 5.0 mg/L 203 11.9 ND 1.0 mg/L 203 11.9 Source: $16G1945$ -UPrepared: $07/26/16 Analyzed: 07/29/16$ 27.3 88.2 1.0 mg/L 116 27.3 492 1.0 mg/L 10 19.1 492 1.0 mg/L 10 10 ND 10 mg/L 406 19.10 | Reporting ResultSpike LimitSource Result $%REC$ $%REC$ RPDLimitResultLimitNDS.0 mg/L ND ND $S.0$ mg/L $S.0$ <td< td=""></td<> |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/09/16 16:17 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|---------------------------------------|-------|---------------------------------------|------------|-------------|---------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64010 - General Preparation | | | | | | | | | | |
| Duplicate (AG64010-DUP1) | Sou | rce: 16G253 | 6-01 | Prepared: (| 07/28/16 A | nalyzed: 08 | 3/02/16 | | | |
| Total Dissolved Solids | 348 | 10 | mg/L | | 315 | | | 10.1 | 15 | |
| Duplicate (AG64010-DUP2) | Source: 16G2267-01 | | | Prepared: (|)7/28/16 A | nalyzed: 08 | | | | |
| Total Dissolved Solids | 147 | 10 | mg/L | | 170 | | | 14.5 | 15 | |
| Batch AG64039 - General Prep | | | | | | | | | | |
| LCS (AG64039-BS1) | | Prepared: 07/29/16 Analyzed: 08/04/16 | | | | | | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | | | |
| LCS Dup (AG64039-BSD1) | | | | Prepared: (|)7/29/16 A | nalyzed: 08 | 3/04/16 | | | |
| Total Kjeldahl Nitrogen | 2.95 | 1.0 | mg/L | 2.98 | | 99.0 | 80-120 | 0.00 | 20 | |
| Matrix Spike (AG64039-MS1) | Sou | rce: 16G182 | 6-01 | Prepared: (| 08/02/16 A | nalyzed: 08 | | | | |
| Total Kjeldahl Nitrogen | 93.2 | 1.0 | mg/L | 22.6 | 68.6 | 108 | 75-125 | | | |
| Matrix Spike Dup (AG64039-MSD1) | Sou | rce: 16G182 | 6-01 | Prepared: (| 08/02/16 A | nalyzed: 08 | 3/04/16 | | | |
| Total Kjeldahl Nitrogen | 93.2 | 1.0 | mg/L | 22.6 | 68.6 | 108 | 75-125 | 0.00 | 20 | |
| Batch AG64063 - Metals Digest | | | | | | | | | | |
| Blank (AG64063-BLK1) | | | | Prepared: (| 07/29/16 A | nalyzed: 08 | 3/02/16 | | | |
| Hardness, Total | ND | 5 | mg/L | | | | | | | |
| Duplicate (AG64063-DUP1) | Sou | rce: 16G202 | 4-02 | Prepared: 07/29/16 Analyzed: 08/02/16 | | | | | | |
| Hardness, Total | 130 | 5 | mg/L | | 128 | | | 1.20 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/09/16 16:17 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|------------|-------|-------------------------------|-----------|----------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63124 - General Prep | | | | | | | | | | |
| Blank (AH63124-BLK1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | | | | | | |
| LCS (AH63124-BS1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | |
| Phosphorus, total | 0.196 | 0.040 | mg/L | 0.200 | | 98.0 | 85-115 | | | |
| Duplicate (AH63124-DUP1) | Sou | ce: 16G249 | 3-01 | Prepared & | Analyzed: | 08/01/16 | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | ND | | | 0.00 | 20 | |
| Matrix Spike (AH63124-MS1) | Sou | ce: 16G249 | 3-01 | Prepared & Analyzed: 08/01/16 | | | | | | |
| Phosphorus, total | 0.188 | 0.040 | mg/L | 0.200 | ND | 83.8 | 70-130 | | | |
| Matrix Spike Dup (AH63124-MSD1) | Sou | ce: 16G249 | 3-01 | Prepared & Analyzed: 08/01/16 | | | | | | |
| Phosphorus, total | 0.189 | 0.040 | mg/L | 0.200 | ND | 84.5 | 70-130 | 0.700 | 20 | |
| Batch AH63132 - General Preparation | | | | | | | | | | |
| Blank (AH63132-BLK1) | | | | Prepared & Analyzed: 08/01/16 | | | | | | |
| Silica | ND | 1.0 | mg/L | | | | | | | |
| LCS (AH63132-BS1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | |
| Silica | 9.57 | 1.0 | mg/L | 10.0 | 2 | 95.7 | 85-115 | | | |
| LCS Dup (AH63132-BSD1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | |
| Silica | 9.61 | 1.0 | mg/L | 10.0 | | 96.1 | 85-115 | 0.419 | 20 | |
| Duplicate (AH63132-DUP1) | Sou | ce: 16G216 | 0-01 | Prepared & Analyzed: 08/01/16 | | | | | | |
| Silica | 14.7 | 5.0 | mg/L | * | 14.9 | | | 1.36 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/09/16 16:17 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike Source %REC | | | | RPD | | |
|-------------------------------------|--------------------|------------|-------------|---------------------------------------|------------|-------------|--------|------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63132 - General Preparation | | | | | | | | | | |
| Matrix Spike (AH63132-MS1) | Sour | ce: 16G216 | 0-01 | Prepared & | Analyzed: | 08/01/16 | | | | |
| Silica | 39.2 | 5.0 | mg/L | 25.0 | 14.9 | 97.2 | 80-120 | | | |
| Matrix Spike Dup (AH63132-MSD1) | Source: 16G2160-01 | | | Prepared & | Analyzed: | 08/01/16 | | | | |
| Silica | 39.2 | 5.0 | mg/L | 25.0 | 14.9 | 97.2 | 80-120 | 0.00 | 20 | |
| Batch AH63376 - General Preparation | | | | | | | | | | |
| Blank (AH63376-BLK1) | | | | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Ammonia as NH3 | ND | 0.50 | mg/L | | | | | | | |
| LCS (AH63376-BS1) | | | | Prepared: 08/08/16 Analyzed: 08/09/16 | | | | | | |
| Ammonia as NH3 | 5.75 | 0.50 | mg/L | 6.10 | | 94.2 | 90-110 | | | |
| LCS Dup (AH63376-BSD1) | | | | Prepared: 08/08/16 Analyzed: 08/09/16 | | | | | | |
| Ammonia as NH3 | 5.96 | 0.50 | mg/L | 6.10 | | 97.7 | 90-110 | 3.64 | 10 | |
| Matrix Spike (AH63376-MS1) | Source: 16G2350-01 | | Prepared: (| Prepared: 08/08/16 Analyzed: 08/09/16 | | | | | | |
| Ammonia as NH3 | 9.58 | 0.50 | mg/L | 6.10 | 4.47 | 83.8 | 85-115 | | | QM-05 |
| Matrix Spike Dup (AH63376-MSD1) | Sour | ce: 16G235 | 0-01 | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Ammonia as NH3 | 9.69 | 0.50 | mg/L | 6.10 | 4.47 | 85.5 | 85-115 | 1.11 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/09/16 16:17 |

Anions by EPA Method 300.0 - Quality Control

| | D14 | Reporting | T T :4- | Spike | Source | 0/DEC | %REC | DDD | RPD | Flag |
|-------------------------------------|--------|--------------|---------|------------|-----------|----------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Tiag |
| Batch AG63895 - General Preparation | | | | | | | | | | |
| Blank (AG63895-BLK1) | | | | Prepared & | Analyzed: | 07/26/16 | | | | |
| Chloride | ND | 0.50 | mg/L | | | | | | | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | | | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | | | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | | | | | | |
| LCS (AG63895-BS1) | | | | Prepared & | Analyzed: | 07/26/16 | | | | |
| Nitrate as NO3 | 26 | 1.0 | mg/L | 24.7 | | 106 | 90-110 | | | |
| Chloride | 11.7 | 0.50 | mg/L | 11.1 | | 105 | 90-110 | | | |
| Sulfate as SO4 | 23.2 | 0.50 | mg/L | 22.2 | | 104 | 90-110 | | | |
| Nitrate as N | 5.89 | 0.20 | mg/L | 5.56 | | 106 | 90-110 | | | |
| Duplicate (AG63895-DUP1) | Sou | Irce: 16G222 | 9-01 | Prepared & | Analyzed: | 07/27/16 | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Sulfate as SO4 | 6.74 | 0.50 | mg/L | | 6.72 | | | 0.372 | 20 | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Chloride | 12.2 | 0.50 | mg/L | | 12.2 | | | 0.139 | 20 | |
| Matrix Spike (AG63895-MS1) | Soι | Irce: 16G222 | 9-01 | Prepared & | Analyzed: | 07/27/16 | | | | |
| Nitrate as NO3 | 26 | 5.0 | mg/L | 24.7 | ND | 105 | 80-120 | | | |
| Chloride | 24.0 | 2.5 | mg/L | 11.1 | 12.2 | 106 | 80-120 | | | |
| Sulfate as SO4 | 29.5 | 2.5 | mg/L | 22.2 | 6.72 | 103 | 80-120 | | | |
| Nitrate as N | 5.82 | 1.0 | mg/L | 5.56 | ND | 105 | 80-120 | | | |
| Matrix Spike (AG63895-MS2) | Sou | ırce: 16G224 | 4-01 | Prepared & | Analyzed: | 07/27/16 | | | | |
| Sulfate as SO4 | 48.6 | 2.5 | mg/L | 22.2 | 25.4 | 104 | 80-120 | | | |
| Nitrate as NO3 | 43 | 5.0 | mg/L | 24.7 | 18 | 105 | 80-120 | | | |
| Chloride | 49.9 | 2.5 | mg/L | 11.1 | 39.2 | 96.6 | 80-120 | | | |
| Nitrate as N | 9.81 | 1.0 | mg/L | 5.56 | 3.96 | 105 | 80-120 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/09/16 16:17 |

Anions by EPA Method 300.0 - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | | |
|-------------------------------------|--------|------------|-------|-------------------------------|------------|-------------|--------|-------|-------|-------|--|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag | |
| Batch AG63895 - General Preparation | | | | | | | | | | | |
| Matrix Spike Dup (AG63895-MSD1) | Sour | ce: 16G222 | 9-01 | Prepared & | Analyzed: | 07/27/16 | | | | | |
| Nitrate as NO3 | 26 | 5.0 | mg/L | 24.7 | ND | 104 | 80-120 | 0.909 | 20 | | |
| Sulfate as SO4 | 29.5 | 2.5 | mg/L | 22.2 | 6.72 | 102 | 80-120 | 0.151 | 20 | | |
| Nitrate as N | 5.77 | 1.0 | mg/L | 5.56 | ND | 104 | 80-120 | 0.909 | 20 | | |
| Chloride | 23.9 | 2.5 | mg/L | 11.1 | 12.2 | 105 | 80-120 | 0.556 | 20 | | |
| Batch AG63985 - General Preparation | | | | | | | | | | | |
| Blank (AG63985-BLK1) | | | | Prepared & | | | | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | | | | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | | | | | | | |
| LCS (AG63985-BS1) | | | | Prepared & | Analyzed: | 07/27/16 | | | | | |
| Nitrite as NO2 | 17.9 | 1.0 | mg/L | 18.2 | | 98.0 | 90-110 | | | | |
| Nitrite as N | 5.43 | 0.20 | mg/L | 5.56 | | 97.8 | 90-110 | | | | |
| Duplicate (AG63985-DUP1) | Sour | ce: 16G222 | 9-01 | Prepared & Analyzed: 07/27/16 | | | | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | ND | | | | 20 | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | ND | | | | 20 | | |
| Matrix Spike (AG63985-MS1) | Sour | ce: 16G222 | 9-01 | Prepared & | Analyzed: | 07/27/16 | | | | | |
| Nitrite as N | 4.26 | 2.0 | mg/L | 5.56 | ND | 76.6 | 80-120 | | | QM-05 | |
| Nitrite as NO2 | 14.0 | 10 | mg/L | 18.2 | ND | 76.7 | 80-120 | | | QM-05 | |
| Matrix Spike (AG63985-MS2) | Sour | ce: 16G237 | 5-01 | Prepared: (| 07/27/16 A | nalyzed: 08 | /01/16 | | | | |
| Nitrite as N | 5.58 | 1.0 | mg/L | 5.56 | ND | 100 | 80-120 | | | | |
| Nitrite as NO2 | 18.3 | 5.0 | mg/L | 18.2 | ND | 101 | 80-120 | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/09/16 16:17 |

Anions by EPA Method 300.0 - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|-------|------------|-------------|----------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63985 - General Preparation | | | | | | | | | | |
| Matrix Spike Dup (AG63985-MSD1) | Sou | rce: 16G222 | 9-01 | Prepared & | k Analyzed: | 07/27/16 | | | | |
| Nitrite as NO2 | 13.9 | 10 | mg/L | 18.2 | ND | 76.1 | 80-120 | 0.786 | 20 | QM-05 |
| Nitrite as N | 4.22 | 2.0 | mg/L | 5.56 | ND | 76.0 | 80-120 | 0.786 | 20 | QM-05 |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/09/16 16:17 |

Notes and Definitions

- 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-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

| Alpha Analytical Laboratories Inc. www.alpha-labs.com | 635 | 208 Mason Street, Uklah, CA 95482 707-468-0401 F) 707-468-5267 cilentservices@alpha-labs.com Bay Area Laboratory 98 Dougherty Road, #35, Dublin, CA 94568 | | | | | | | 90 L | Jnio 9 | Cea In Pa 916-6 | ntral ark W 86-5 | Valle ly., #1 190 | ey Lei 113, E F) 91(| borat Elk Gr 3-686 | ory ove, (-5192 | CA 95 | 5624 | (| Ch | aiı | n c | vvc of (| огк Си 21. | : U sto // | vra ođ | ier y f | Re | ĆOI | rd | ~ | | | |
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| WATERS, SEDIMENTS, SOLIDS | | 925-82 | 28-62 | 26 F |) 925 | 5-828 | -6309 | 9 | | 1 | | | | | | | | | | | | Lab | No | | | / | | . (| <u> </u> | Page | e | of_ | | |
| Company/Name: | | Project l | D: | | _ | | | | | ī | | | Т | - | _ | Sign | ature | belov | w auti | horize | es woi | k und | ler te | ms s | tated | on re | verse | side. | | | | | <u> </u> | |
| West Bay Sanitary District | | | | W | Q | Mo | oni | tori | ng | | | | | Analysis Peruost | | | | | | | | | T | | _ | | | | | | | | | |
| Malling Address: 500 Laurei Streel Menio Park, CA 94025 | | Project 1 | S]ect No: | | | | | | | 5 | - | | | | | | | | Sample Notes | | | ╞ | | | | | | | | | | | | |
| Project Contact & Email (Hardcopy or PD John Simonetti jsimonetti@westbaysanitary.org | F to): | PO | O# | | | | | | | e, Mn, Z | sn | | 02' NO | a | lation | | | | | | | 5. | .0 | | | | 5 | d For Rus | | | | | | |
| Phone/Fax: | _ | Site Con | o contact: John Simonetti | | | | | | | | | Na, Al, F | osphor | | , EC, NC | arbonat | Calcul | | | | | 0 | 5 | | | | _ | Appro Requi | vai ned | L Required | | | | |
| Field Sampler - Print Name & Signature | | | | Con | tain | er | Pre | serv | ativ | ve | Ма | trix | | | | Mg, | Ē | ger | | | | | | | | Gal | | | | | Ċ | Ĵ | LOVE | |
| Mark Praturion | Sar Colle | nple ection | <u>n</u> | | | T | Π | | Γ | | Π | | | 0 | I | B, Ca, | lonia, | Nitro | e, Chic | inity, | Adjus | _ | | | | ness | 5 | | | | | 2 w | ík | ab App |
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ELAP Certificates 1551, 2728, and 2922

10 August 2016

West Bay Sanitary District Attn: John Simonetti 500 Laurel Street Menlo Park, CA 94025 RE: WQ Monitoring Work Order: 16G2160

Enclosed are the results of analyses for samples received by the laboratory on 07/25/16 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Popli

Jeanette L. Poplin For Robbie C. Phillips Project Manager



e-mail: clientservices @alpha-labs.com

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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| G13104 / 072216A | 16G2160-01 | Water | 07/23/16 08:40 | 07/25/16 21:00 |
| G13220 / 072216B | 16G2160-02 | Water | 07/23/16 09:00 | 07/25/16 21:00 |
| G13223 / 072216C | 16G2160-03 | Water | 07/23/16 08:15 | 07/25/16 21:00 |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj | Project Manager: John Simonetti Project: WQ Monitoring Project Number: [none] | | | | | | | | | | | |
|---|--------------|---|----------|---------|----------------|-------------------|---------------|------|--|--|--|--|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | | | | |
| G13104 / 072216A (16G2160-01) | | Sample Type: | : Water | | Sample | d: 07/23/16 08:40 | | | | | | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | | | | | |
| Potassium | 16 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:31 | EPA 200.7 | | | | | | |
| Metals by EPA 200 Series Methods | | | | | | | | | | | | | |
| Aluminum | 0.63 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:31 | EPA 200.7 | | | | | | |
| Boron | 0.17 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:31 | EPA 200.7 | | | | | | |
| Calcium | 17 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:31 | EPA 200.7 | | | | | | |
| Iron | 1.7 mg/L | 0.10 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:31 | EPA 200.7 | | | | | | |
| Magnesium | 4.3 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:31 | EPA 200.7 | | | | | | |
| Manganese | 0.077 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:31 | EPA 200.7 | | | | | | |
| Sodium | 41 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:31 | EPA 200.7 | | | | | | |
| Zinc | 0.26 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:31 | EPA 200.7 | | | | | | |
| Conventional Chemistry Parameters by APHA | VEPA Methods | | | | | | | | | | | | |
| Ammonia as NH3 | 51 mg/L | 0.50 | 1 | AH63376 | 08/08/16 08:11 | 08/09/16 17:00 | SM4500NH3C | | | | | | |
| Bicarbonate | 260 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | | | | |
| Biochemical Oxygen Demand | 320 mg/L | 5.0 | 1 | AH63166 | 07/27/16 08:00 | 08/01/16 11:30 | SM5210B | T-1 | | | | | |
| рН | 7.52 pH Unit | ts 1.68 | 1 | AG63920 | 07/25/16 19:00 | 07/25/16 19:00 | SM4500-H+ B | T-1 | | | | | |
| Specific Conductance (EC) | 670 umhos/e | cm 20 | 1 | AG63944 | 07/26/16 16:00 | 07/26/16 17:00 | SM2510B | | | | | | |
| Total Dissolved Solids | 300 mg/L | 10 | 1 | AG64010 | 07/28/16 12:00 | 08/02/16 17:02 | SM2540C | | | | | | |
| Total Suspended Solids | 360 mg/L | 1.0 | 1 | AG63995 | 07/28/16 08:09 | 07/29/16 13:49 | SM2540D | | | | | | |
| Volatile Suspended Solids | 330 mg/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | | | | | | |
| Silica | 15 mg/L | 5.0 | 5 | AH63132 | 08/01/16 09:30 | 08/01/16 12:00 | SM4500-SiO2 C | | | | | | |
| Bicarbonate Alkalinity as CaCO3 | 210 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | | | | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | | | | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | | | | |
| Total Alkalinity as CaCO3 | 210 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | | | | |
| Total Kjeldahl Nitrogen | 55 mg/L | 1.0 | 1 | AH63327 | 08/08/16 07:06 | 08/09/16 09:44 | SM4500-Norg B | | | | | | |
| Total Nitrogen | 55 mg/L | 1.0 | 1 | AH63264 | 08/03/16 15:38 | 08/09/16 10:02 | SM4500-N | | | | | | |
| Hardness, Total | 60 mg/L | 5 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:31 | SM2340B | | | | | | |
| Phosphorus, total | 6.6 mg/L | 0.80 | 2 | AH63124 | 08/01/16 07:45 | 08/01/16 15:02 | SM4500-P E | | | | | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj Pro | Project Manager: John Simonetti Project: WQ Monitoring Project Number: [none] | | | | | | | | | | |
|---|---------------|---|----------|---------|----------------|-------------------|-----------|------|--|--|--|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | | | |
| G13104 / 072216A (16G2160-01) | | Sample Type | : Water | | Sample | d: 07/23/16 08:40 | | | | | | |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters | | | | - | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.49 NA | | 1 | AG64063 | 07/29/16 12:11 | 08/08/16 06:00 | SAR | | | | | |
| Anions by EPA Method 300.0 | | | | | | | | | | | | |
| Chloride | 44 mg/L | 5.0 | 10 | AG63986 | 07/27/16 18:27 | 07/27/16 18:27 | EPA 300.0 | | | | | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63986 | 07/27/16 18:27 | 07/27/16 18:27 | EPA 300.0 | T- | | | | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63986 | 07/27/16 18:27 | 07/27/16 18:27 | EPA 300.0 | T- | | | | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63986 | 07/27/16 18:43 | 07/27/16 18:43 | EPA 300.0 | T- | | | | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63986 | 07/27/16 18:43 | 07/27/16 18:43 | EPA 300.0 | T- | | | | |
| Sulfate as SO4 | 27 mg/L | 0.50 | 1 | AG63986 | 07/27/16 18:43 | 07/27/16 18:43 | EPA 300.0 | | | | | |
| G13220 / 072216B (16G2160-02) | | Sample Type | : Water | | Sample | d: 07/23/16 09:00 | | | | | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | | | | |
| Potassium | 13 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:36 | EPA 200.7 | | | | | |
| Metals by EPA 200 Series Methods | | | | | | | | | | | | |
| Aluminum | 1.5 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:36 | EPA 200.7 | | | | | |
| Boron | 0.20 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:36 | EPA 200.7 | | | | | |
| Calcium | 24 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:36 | EPA 200.7 | | | | | |
| Iron | 3.7 mg/L | 0.10 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:36 | EPA 200.7 | | | | | |
| Magnesium | 10 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:36 | EPA 200.7 | | | | | |
| Manganese | 0.070 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:36 | EPA 200.7 | | | | | |
| Sodium | 40 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:36 | EPA 200.7 | | | | | |
| Zinc | 0.35 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:36 | EPA 200.7 | | | | | |


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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Pro Pi | oject Manager: Jol Project: WC roject Number: [no | hn Simo Q Monito ne] | netti ring | | | R 08/10/ ⁻ | eported: 16 09:21 |
|---|---------------|---|----------------------------|---------------|----------------|-------------------|--------------------------|----------------------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13220 / 072216B (16G2160-02) | | Sample Type | : Water | | Sample | d: 07/23/16 09:00 | | |
| Conventional Chemistry Parameters by APHA | /EPA Methods | | | | - | | | |
| Ammonia as NH3 | 60 mg/L | 0.50 | 1 | AH63376 | 08/08/16 08:11 | 08/09/16 17:00 | SM4500NH3C | |
| Bicarbonate | 290 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Biochemical Oxygen Demand | 410 mg/L | 5.0 | 1 | AH63166 | 07/27/16 08:00 | 08/01/16 11:30 | SM5210B | T-16 |
| рН | 7.20 pH Un | its 1.68 | 1 | AG63920 | 07/25/16 19:00 | 07/25/16 19:00 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 780 umhos | /cm 20 | 1 | AG63944 | 07/26/16 16:00 | 07/26/16 17:00 | SM2510B | |
| Total Dissolved Solids | 310 mg/L | 10 | 1 | AG64010 | 07/28/16 12:00 | 08/02/16 17:02 | SM2540C | |
| Total Suspended Solids | 760 mg/L | 1.0 | 1 | AG63995 | 07/28/16 08:09 | 07/29/16 13:49 | SM2540D | |
| Volatile Suspended Solids | 710 mg/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | |
| Silica | 15 mg/L | 5.0 | 5 | AH63132 | 08/01/16 09:30 | 08/01/16 12:00 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 240 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Total Alkalinity as CaCO3 | 240 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Total Kjeldahl Nitrogen | 71 mg/L | 1.0 | 1 | AH63327 | 08/09/16 07:06 | 08/09/16 09:44 | SM4500-Norg B | |
| Total Nitrogen | 71 mg/L | 1.0 | 1 | AH63264 | 08/03/16 15:38 | 08/09/16 10:02 | SM4500-N | |
| Hardness, Total | 102 mg/L | 5 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:36 | SM2340B | |
| Phosphorus, total | 9.9 mg/L | 2.0 | 5 | AH63124 | 08/01/16 07:45 | 08/01/16 15:02 | SM4500-P E | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 1.95 NA | | 1 | AG64063 | 07/29/16 12:11 | 08/08/16 06:00 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 45 mg/L | 5.0 | 10 | AG63986 | 07/27/16 18:59 | 07/27/16 18:59 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63986 | 07/27/16 18:59 | 07/27/16 18:59 | EPA 300.0 | T-5 |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63986 | 07/27/16 18:59 | 07/27/16 18:59 | EPA 300.0 | T-5 |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63986 | 07/27/16 19:15 | 07/27/16 19:15 | EPA 300.0 | T-5 |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63986 | 07/27/16 19:15 | 07/27/16 19:15 | EPA 300.0 | T-5 |
| Sulfate as SO4 | 44 mg/L | 5.0 | 10 | AG63986 | 07/27/16 18:59 | 07/27/16 18:59 | EPA 300.0 | |
| G13223 / 072216C (16G2160-03) | | Sample Type | : Water | | Sample | d: 07/23/16 08:15 | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | |
| Potassium | 17 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:50 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj Pro | ect Manager: Jo Project: W0 oject Number: [no | hn Simor Q Monitor ne] | netti ring | | | Re 08/10/1 | ported: 6 09:21 |
|---|---------------|---|------------------------------|---------------|----------------|-------------------|---------------|--------------------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 072216C (16G2160-03) | | Sample Type | : Water | | Sample | d: 07/23/16 08:15 | | |
| Metals by EPA 200 Series Methods | | | | | - | | | |
| Aluminum | 0.70 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:50 | EPA 200.7 | |
| Boron | 0.21 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:50 | EPA 200.7 | |
| Calcium | 17 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:50 | EPA 200.7 | |
| Iron | 1.7 mg/L | 0.10 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:50 | EPA 200.7 | |
| Magnesium | 5.8 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:50 | EPA 200.7 | |
| Manganese | 0.055 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:50 | EPA 200.7 | |
| Sodium | 56 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:50 | EPA 200.7 | |
| Zinc | 0.24 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:50 | EPA 200.7 | |
| Conventional Chemistry Deventors by ADH | A/EDA Mothods | | | | | | | |
| Ammenia en NH2 | A/EFA Methods | 0.50 | 1 | A11(227(| 08/08/16 08-11 | 08/00/16 17:00 | SM4500NU12C | |
| Ammonia as NH3 | 51 mg/L | 0.50 | 1 | AH03370 | 08/08/16 08:11 | 08/09/16 17:00 | SM4500NH3C | |
| Bicarbonate | 280 mg/L | 5.0 | 1 | AG03903 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | т 1. |
| Biochemical Oxygen Demand | 290 mg/L | 5.0 | 1 | AH03100 | 07/27/16 08:00 | 08/01/16 11:30 | SM3210B | I-10 T 1 |
| рн Sausi G a Candustanas (ПС) | 7.20 pH Unit | s 1.08 | 1 | AG63920 | 07/25/16 19:00 | 07/25/16 19:00 | SM4500-H+ B | 1-14 |
| Specific Conductance (EC) | 820 umnos/c | -m 20 | 1 | AG63944 | 07/28/16 16:00 | 07/26/16 17:00 | SM2510B | |
| Total Dissolved Solids | 420 mg/L | 10 | 1 | AG64010 | 07/28/16 12:00 | 08/02/16 17:02 | SM2540C | |
| Total Suspended Sonds | 260 mg/L | 1.0 | 1 | AG63995 | 07/28/16 08:09 | 07/29/16 13:49 | SM2540D | |
| volatile Suspended Solids | 240 mg/L | 1.0 | I C | AG63933 | 0//26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | |
| | 14 mg/L | 5.0 | 5 | AH63132 | 08/01/16 09:30 | 08/01/16 12:00 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 230 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | I | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Total Alkalinity as CaCO3 | 230 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Total Kjeldahl Nitrogen | 55 mg/L | 1.0 | 1 | AH63327 | 08/09/16 07:06 | 08/09/16 10:37 | SM4500-Norg B | |
| Total Nitrogen | 55 mg/L | 1.0 | 1 | AH63264 | 08/03/16 15:38 | 08/09/16 15:04 | SM4500-N | |
| Hardness, Total | 67 mg/L | 5 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:50 | SM2340B | |
| Phosphorus, total | 6.3 mg/L | 0.80 | 2 | AH63124 | 08/01/16 07:45 | 08/01/16 15:02 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj Pro | Reported: 08/10/16 09:21 | | | | | | |
|---|---------------|-----------------------------|-------------------|---------|----------------|----------------|-----------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 072216C (16G2160-03) | | Sample Type: | d: 07/23/16 08:15 | | | | | |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 3.28 NA | | 1 | AG64063 | 07/29/16 12:11 | 08/08/16 06:00 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 69 mg/L | 10 | 20 | AG63986 | 07/27/16 20:04 | 07/27/16 20:04 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63986 | 07/27/16 20:04 | 07/27/16 20:04 | EPA 300.0 | T-5 |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63986 | 07/27/16 20:04 | 07/27/16 20:04 | EPA 300.0 | T-5 |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63986 | 07/27/16 20:20 | 07/27/16 20:20 | EPA 300.0 | T-5 |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63986 | 07/27/16 20:20 | 07/27/16 20:20 | EPA 300.0 | T-5 |
| Sulfate as SO4 | 33 mg/L | 0.50 | 1 | AG63986 | 07/27/16 20:20 | 07/27/16 20:20 | EPA 300.0 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

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

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|--------------|-------|---------------------------------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64063 - Metals Digest | | | | | | | | | | |
| Blank (AG64063-BLK1) | | | | Prepared: 0 | 07/29/16 Ai | nalyzed: 08 | /02/16 | | | |
| Potassium | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG64063-BS1) | | | | Prepared: 0 |)7/29/16 Ai | nalyzed: 08 | /02/16 | | | |
| Potassium | 7.50 | 1.0 | mg/L | 8.00 | | 93.8 | 85-115 | | | |
| Duplicate (AG64063-DUP1) | Sou | rce: 16G2024 | 1-02 | Prepared: 0 |)7/29/16 Ai | nalyzed: 08 | | | | |
| Potassium | 13.1 | 1.0 | mg/L | | 13.1 | | | 0.197 | 20 | |
| Matrix Spike (AG64063-MS1) | Sou | rce: 16G2024 | 1-02 | Prepared: 0 |)7/29/16 Ai | nalyzed: 08 | | | | |
| Potassium | 21.2 | 1.0 | mg/L | 8.00 | 13.1 | 102 | 70-130 | | | |
| Matrix Spike (AG64063-MS2) | Sou | rce: 16G2143 | 8-01 | Prepared: 0 |)7/29/16 Ai | nalyzed: 08 | /02/16 | | | |
| Potassium | 9.43 | 1.0 | mg/L | 8.00 | 1.93 | 93.8 | 70-130 | | | |
| Matrix Spike Dup (AG64063-MSD1) | Sou | rce: 16G2024 | 1-02 | Prepared: 07/29/16 Analyzed: 08/02/16 | | | | | | |
| Potassium | 20.8 | 1.0 | mg/L | 8.00 | 13.1 | 96.7 | 70-130 | 1.94 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

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 |
|-------------------------------|---------|--------------------|-------|----------------|------------------|-------------|----------------|-------|--------------|------|
| | ittouit | | enno | 20101 | itesuit | , or all c | 2 | 14.5 | 2 | U |
| Batch AG64063 - Metals Digest | | | | | | | | | | |
| Blank (AG64063-BLK1) | | | | Prepared: 0 | 7/29/16 An | alyzed: 08/ | /02/16 | | | |
| 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 (AG64063-BS1) | | | | Prepared: 0 | 7/29/16 An | alyzed: 08 | /02/16 | | | |
| Aluminum | 1.87 | 0.050 | mg/L | 2.00 | | 93.6 | 85-115 | | | |
| Boron | 0.361 | 0.050 | mg/L | 0.400 | | 90.3 | 85-115 | | | |
| Calcium | 7.34 | 1.0 | mg/L | 8.00 | | 91.8 | 85-115 | | | |
| Iron | 1.92 | 0.10 | mg/L | 2.00 | | 95.9 | 85-115 | | | |
| Magnesium | 7.19 | 1.0 | mg/L | 8.00 | | 89.8 | 85-115 | | | |
| Manganese | 0.190 | 0.020 | mg/L | 0.200 | | 95.1 | 85-115 | | | |
| Sodium | 7.66 | 1.0 | mg/L | 8.00 | | 95.7 | 85-115 | | | |
| Zinc | 0.185 | 0.020 | mg/L | 0.200 | | 92.7 | 85-115 | | | |
| Duplicate (AG64063-DUP1) | So | urce: 16G2024 | 1-02 | Prepared: 0 | 7/29/16 An | alyzed: 08 | /02/16 | | | |
| Aluminum | ND | 0.050 | mg/L | | ND | | | | 20 | |
| Boron | ND | 0.050 | mg/L | | ND | | | 6.77 | 20 | |
| Calcium | 36.7 | 1.0 | mg/L | | 36.3 | | | 0.892 | 20 | |
| Iron | ND | 0.10 | mg/L | | ND | | | 3.64 | 20 | |
| Magnesium | 9.27 | 1.0 | mg/L | | 9.09 | | | 1.93 | 20 | |
| Manganese | ND | 0.020 | mg/L | | ND | | | 2.91 | 20 | |
| Sodium | 41.0 | 1.0 | mg/L | | 40.7 | | | 0.781 | 20 | |
| Zinc | 0.0391 | 0.020 | mg/L | | 0.0388 | | | 0.572 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Metals by EPA 200 Series Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|---------------|-------------|-------------|---------------------------------------|-------------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64063 - Metals Digest | | | | | | | | | | |
| Matrix Spike (AG64063-MS1) | So | ource: 16G202 | 4-02 | Prepared: (| 07/29/16 A | nalyzed: 08 | /02/16 | | | |
| Aluminum | 1.91 | 0.050 | mg/L | 2.00 | ND | 93.2 | 70-130 | | | |
| Boron | 0.400 | 0.050 | mg/L | 0.400 | ND | 91.5 | 70-130 | | | |
| Calcium | 44.5 | 1.0 | mg/L | 8.00 | 36.3 | 102 | 70-130 | | | |
| Iron | 1.95 | 0.10 | mg/L | 2.00 | ND | 96.2 | 70-130 | | | |
| Magnesium | 17.5 | 1.0 | mg/L | 8.00 | 9.09 | 106 | 70-130 | | | |
| Manganese | 0.203 | 0.020 | mg/L | 0.200 | ND | 96.4 | 70-130 | | | |
| Sodium | 48.7 | 1.0 | mg/L | 8.00 | 40.7 | 99.8 | 70-130 | | | |
| Zinc | 0.235 | 0.020 | mg/L | 0.200 | 0.0388 | 97.9 | 70-130 | | | |
| M-4 S | 0 | | | Draparad: (| 7/20/16 4 | aluzad: 08 | /02/16 | | | |
| Matrix Spike (AG64063-MS2) | 12.5 | 0.050 | 5-01 | 2.00 | 01/29/10 A | 217 | 70.120 | | | OM 4V |
| Alaminam Daran | 0.477 | 0.030 | mg/L | 2.00 | 8.11 | 217 | 70-130 | | | QM-4A |
| Boron | 0.477 | 0.050 | mg/L | 0.400 | 0.117 | 89.9 | 70-130 | | | |
| Calcium | 94.2 | 1.0 | mg/L | 8.00 | 85.2 | 113 | 70-130 | | | |
| Iron | 6.96 | 0.10 | mg/L | 2.00 | 4.58 | 119 | 70-130 | | | |
| Magnesium | 46.4 | 1.0 | mg/L | 8.00 | 38.5 | 98.7 | 70-130 | | | |
| Manganese | 0.404 | 0.020 | mg/L | 0.200 | 0.222 | 90.9 | 70-130 | | | |
| Sodium | 23.2 | 1.0 | mg/L | 8.00 | 15.6 | 95.1 | 70-130 | | | |
| Zinc | 0.211 | 0.020 | mg/L | 0.200 | 0.0233 | 93.6 | 70-130 | | | |
| Matrix Spike Dup (AG64063-MSD1) | So | ource: 16G202 | 4-02 | Prepared: (| Prepared: 07/29/16 Analyzed: 08/02/16 | | | | | |
| Aluminum | 1.85 | 0.050 | mg/L | 2.00 | ND | 90.4 | 70-130 | 2.94 | 20 | |
| Boron | 0.393 | 0.050 | mg/L | 0.400 | ND | 89.9 | 70-130 | 1.58 | 20 | |
| Calcium | 44.4 | 1.0 | mg/L | 8.00 | 36.3 | 101 | 70-130 | 0.232 | 20 | |
| Iron | 1.89 | 0.10 | mg/L | 2.00 | ND | 93.4 | 70-130 | 2.90 | 20 | |
| Magnesium | 17.1 | 1.0 | mg/L | 8.00 | 9.09 | 99.7 | 70-130 | 2.68 | 20 | |
| Manganese | 0.197 | 0.020 | mg/L | 0.200 | ND | 93.5 | 70-130 | 2.88 | 20 | |
| Sodium | 48.6 | 1.0 | mg/L | 8.00 | 40.7 | 99.0 | 70-130 | 0.130 | 20 | |
| Zinc | 0.228 | 0.020 | mg/L | 0.200 | 0.0388 | 94.7 | 70-130 | 2.72 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | D k | Reporting | 11.4 | Spike | Source | N/DEC | %REC | DDD | RPD | Flag |
|-------------------------------------|--------------------|-------------|----------|---------------------------------------|------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | гiag |
| Batch AG63920 - General Preparation | | | | | | | | | | |
| Duplicate (AG63920-DUP1) | Sou | rce: 16G211 | 1-01 | Prepared & | Analyzed: | 07/25/16 | | | | |
| pH | 7.47 | 1.68 | pH Units | | 7.40 | | | 0.941 | 20 | |
| Batch AG63933 - General Preparation | | | | | | | | | | |
| Blank (AG63933-BLK1) | | | | Prepared: (| 07/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63933-DUP1) | Source: 16G1817-01 | | | Prepared: (|)7/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | 117 | 1.0 | mg/L | | 155 | | | 28.1 | 30 | |
| Duplicate (AG63933-DUP2) | Sou | rce: 16G181 | 7-03 | Prepared: 07/26/16 Analyzed: 08/03/16 | | | /03/16 | | | |
| Volatile Suspended Solids | 331 | 1.0 | mg/L | | 251 | | | 27.4 | 30 | |
| Batch AG63944 - General Preparation | | | | | | | | | | |
| Duplicate (AG63944-DUP1) | Sou | rce: 16G221 | 8-02 | Prepared & Analyzed: 07/26/16 | | | | | | |
| Specific Conductance (EC) | 212 | 20 | umhos/cm | | 209 | | | 1.43 | 5 | |
| Batch AG63963 - General Preparation | | | | | | | | | | |
| Duplicate (AG63963-DUP1) | Sou | rce: 16G211 | 1-01 | Prepared & | Analyzed: | 07/29/16 | | | | |
| Bicarbonate | 262 | 5.0 | mg/L | | 262 | | | 0.00 | 20 | |
| Bicarbonate Alkalinity as CaCO3 | 215 | 5.0 | mg/L | | 215 | | | 0.00 | 20 | |
| Carbonate Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Total Alkalinity as CaCO3 | 215 | 5.0 | mg/L | | 215 | | | 0.00 | 20 | |
| Hydroxide Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|--------------|-------|---------------------------------------|------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63995 - General Preparation | | | | | | | | | | |
| Blank (AG63995-BLK1) | | | | Prepared: (| 07/26/16 A | nalyzed: 07 | /29/16 | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63995-DUP1) | Soι | urce: 16G194 | 6-01 | Prepared: (|)7/26/16 A | nalyzed: 07 | /29/16 | | | |
| Total Suspended Solids | 88.2 | 1.0 | mg/L | | 116 | | | 27.3 | 30 | |
| Duplicate (AG63995-DUP2) | Soι | urce: 16G195 | 2-02 | Prepared: 07/26/16 Analyzed: 07/29/16 | | | | | | |
| Total Suspended Solids | 492 | 1.0 | mg/L | | 406 | | | 19.1 | 30 | |
| Batch AG64010 - General Preparation | | | | | | | | | | |
| Blank (AG64010-BLK1) | | | | Prepared: (| 07/28/16 A | nalyzed: 08 | /02/16 | | | |
| Total Dissolved Solids | ND | 10 | mg/L | | | | | | | |
| Duplicate (AG64010-DUP1) | Soι | urce: 16G253 | 6-01 | Prepared: (|)7/28/16 A | nalyzed: 08 | /02/16 | | | |
| Total Dissolved Solids | 348 | 10 | mg/L | | 315 | | | 10.1 | 15 | |
| Duplicate (AG64010-DUP2) | Sou | urce: 16G226 | 7-01 | Prepared: (|)7/28/16 A | nalyzed: 08 | /02/16 | | | |
| Total Dissolved Solids | 147 | 10 | mg/L | | 170 | | | 14.5 | 15 | |
| Batch AG64063 - Metals Digest | | | | | | | | | | |
| Blank (AG64063-BLK1) | | | | Prepared: (| 07/29/16 A | nalyzed: 08 | /02/16 | | | |
| Hardness, Total | ND | 5 | mg/L | | | | | | | |
| Duplicate (AG64063-DUP1) | Soι | urce: 16G202 | 4-02 | Prepared: (|)7/29/16 A | nalyzed: 08 | /02/16 | | | |
| Hardness, Total | 130 | 5 | mg/L | | 128 | | | 1.20 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|-------------------------------|-------------|-------|-------------------------------|-----------|----------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63124 - General Prep | | | | | | | | | | |
| Blank (AH63124-BLK1) | Prepared & Analyzed: 08/01/16 | | | | | | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | | | | | | |
| LCS (AH63124-BS1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | |
| Phosphorus, total | 0.196 | 0.040 | mg/L | 0.200 | | 98.0 | 85-115 | | | |
| Duplicate (AH63124-DUP1) | Sou | rce: 16G249 | 3-01 | Prepared & Analyzed: 08/01/16 | | | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | ND | | | 0.00 | 20 | |
| Matrix Spike (AH63124-MS1) | Sou | rce: 16G249 | 3-01 | Prepared & Analyzed: 08/01/16 | | | | | | |
| Phosphorus, total | 0.188 | 0.040 | mg/L | 0.200 | ND | 83.8 | 70-130 | | | |
| Matrix Spike Dup (AH63124-MSD1) | Source: 16G2493-01 | | | Prepared & Analyzed: 08/01/16 | | | | | | |
| Phosphorus, total | 0.189 | 0.040 | mg/L | 0.200 | ND | 84.5 | 70-130 | 0.700 | 20 | |
| Batch AH63132 - General Preparation | | | | | | | | | | |
| Blank (AH63132-BLK1) | | | | Prepared & Analyzed: 08/01/16 | | | | | | |
| Silica | ND | 1.0 | mg/L | | | | | | | |
| LCS (AH63132-BS1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | |
| Silica | 9.57 | 1.0 | mg/L | 10.0 | | 95.7 | 85-115 | | | |
| LCS Dup (AH63132-BSD1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | |
| Silica | 9.61 | 1.0 | mg/L | 10.0 | | 96.1 | 85-115 | 0.419 | 20 | |
| Duplicate (AH63132-DUP1) | Sou | rce: 16G216 | 0-01 | Prepared & Analyzed: 08/01/16 | | | | | | |
| Silica | 14.7 | 5.0 | mg/L | | 14.9 | | | 1.36 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|------------|-------------|------------|-------------|---------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63132 - General Preparation | | | | | | | | | | |
| Matrix Spike (AH63132-MS1) | Sou | rce: 16G216 | 0-01 | Prepared & | Analyzed: | 08/01/16 | | | | |
| Silica | 39.2 | 5.0 | mg/L | 25.0 | 14.9 | 97.2 | 80-120 | | | |
| Matrix Spike Dup (AH63132-MSD1) | Sou | rce: 16G216 | 0-01 | Prepared & | Analyzed: | 08/01/16 | | | | |
| Silica | 39.2 | 5.0 | mg/L | 25.0 | 14.9 | 97.2 | 80-120 | 0.00 | 20 | |
| Batch AH63166 - General Preparation | | | | | | | | | | |
| Blank (AH63166-BLK1) | | Prepared: (| 07/27/16 A | nalyzed: 08 | | | | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| Blank (AH63166-BLK2) | | | | Prepared: (| 07/27/16 A | nalyzed: 08 | 3/01/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| LCS (AH63166-BS1) | | | | Prepared: (| 07/27/16 A | nalyzed: 08 | 3/01/16 | | | |
| Biochemical Oxygen Demand | 218 | 5.0 | mg/L | 200 | | 109 | 84-115 | | | |
| Duplicate (AH63166-DUP1) | Sou | rce: 16G228 | 1-02 | Prepared: (| 07/27/16 A | nalyzed: 08 | 3/01/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | ND | | | 5.56 | 30 | |
| Batch AH63327 - General Prep | | | | | | | | | | |
| LCS (AH63327-BS1) | | | | Prepared: (| 08/08/16 A | nalyzed: 08 | 8/09/16 | | | |
| Total Kjeldahl Nitrogen | 3.04 | 1.0 | mg/L | 2.98 | | 102 | 80-120 | | | |
| LCS Dup (AH63327-BSD1) | | | | Prepared: (| 08/08/16 A | nalyzed: 08 | 3/09/16 | | | |
| Total Kjeldahl Nitrogen | 3.04 | 1.0 | mg/L | 2.98 | | 102 | 80-120 | 0.00 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|------------|---------------------------------------|---------------------------------------|------------|-------------|--------|------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63327 - General Prep | | | | | | | | | | |
| Matrix Spike (AH63327-MS1) | Sour | ce: 16G226 | 0-01 | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Total Kjeldahl Nitrogen | 64.4 | 1.0 | mg/L | 22.6 | 40.6 | 105 | 75-125 | | | |
| Matrix Spike Dup (AH63327-MSD1) | Source: 16G2260-01 | | | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Total Kjeldahl Nitrogen | 64.4 | 1.0 | mg/L | 22.6 | 40.6 | 105 | 75-125 | 0.00 | 20 | |
| Batch AH63376 - General Preparation | | | | | | | | | | |
| Blank (AH63376-BLK1) | | | | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Ammonia as NH3 | ND | 0.50 | mg/L | | | | | | | |
| LCS (AH63376-BS1) | | | | Prepared: 08/08/16 Analyzed: 08/09/16 | | | | | | |
| Ammonia as NH3 | 5.75 | 0.50 | mg/L | 6.10 | | 94.2 | 90-110 | | | |
| LCS Dup (AH63376-BSD1) | | | | Prepared: 08/08/16 Analyzed: 08/09/16 | | | | | | |
| Ammonia as NH3 | 5.96 | 0.50 | mg/L | 6.10 | | 97.7 | 90-110 | 3.64 | 10 | |
| Matrix Spike (AH63376-MS1) | Source: 16G2350-01 | | Prepared: 08/08/16 Analyzed: 08/09/16 | | | /09/16 | | | | |
| Ammonia as NH3 | 9.58 | 0.50 | mg/L | 6.10 | 4.47 | 83.8 | 85-115 | | | QM-05 |
| Matrix Spike Dup (AH63376-MSD1) | Sour | ce: 16G235 | 0-01 | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Ammonia as NH3 | 9.69 | 0.50 | mg/L | 6.10 | 4.47 | 85.5 | 85-115 | 1.11 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Anions by EPA Method 300.0 - Quality Control

| Analyte(s) | Result | Reporting | Unite | Spike Level | Source | %REC | %REC | RDD | RPD Limit | Flag |
|-------------------------------------|--------------------|--------------|-------------------------------|----------------|-----------|----------|--------|------|--------------|-------|
| Analyte(3) | Result | Liint | Onits | Level | Result | /orcec | Linits | ΚιD | Liiiit | 1 148 |
| Batch AG63986 - General Preparation | | | | | | | | | | |
| Blank (AG63986-BLK1) | | | | Prepared & | Analyzed: | 07/27/16 | | | | |
| Chloride | ND | 0.50 | mg/L | | | | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | | | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | | | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | | | | | | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | | | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | | | | | | |
| LCS (AG63986-BS1) | | | | Prepared & | Analyzed: | 07/27/16 | | | | |
| Sulfate as SO4 | 22.2 | 0.50 | mg/L | 22.2 | | 100 | 90-110 | | | |
| Nitrite as NO2 | 18.6 | 1.0 | mg/L | 18.2 | | 102 | 90-110 | | | |
| Nitrate as N | 5.72 | 0.20 | mg/L | 5.56 | | 103 | 90-110 | | | |
| Nitrite as N | 5.66 | 0.20 | mg/L | 5.56 | | 102 | 90-110 | | | |
| Chloride | 11.5 | 0.50 | mg/L | 11.1 | | 103 | 90-110 | | | |
| Nitrate as NO3 | 25 | 1.0 | mg/L | 24.7 | | 103 | 90-110 | | | |
| Duplicate (AG63986-DUP1) | Source: 16G2275-01 | | Prepared & Analyzed: 07/27/16 | | | | | | | |
| Nitrate as NO3 | 2.6 | 1.0 | mg/L | * | 2.7 | | | 4.17 | 20 | |
| Nitrite as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Chloride | ND | 0.50 | mg/L | | ND | | | 1.32 | 20 | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | ND | | | | 20 | |
| Nitrate as N | 0.594 | 0.20 | mg/L | | 0.620 | | | 4.17 | 20 | |
| Matrix Spike (AG63986-MS1) | So | urce: 16G227 | 5-01 | Prepared & | Analyzed: | 07/27/16 | | | | |
| Nitrite as N | 5.76 | 0.20 | mg/L | 5.56 | ND | 104 | 80-120 | | | |
| Nitrate as NO3 | 29 | 1.0 | mg/L | 24.7 | 2.7 | 105 | 80-120 | | | |
| Sulfate as SO4 | 22.6 | 0.50 | mg/L | 22.2 | ND | 102 | 80-120 | | | |
| Chloride | 12.0 | 0.50 | mg/L | 11.1 | ND | 105 | 80-120 | | | |
| Nitrite as NO2 | 18.9 | 1.0 | mg/L | 18.2 | ND | 104 | 80-120 | | | |
| Nitrate as N | 6.45 | 0.20 | mg/L | 5.56 | 0.620 | 105 | 80-120 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

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 AG63986 - General Preparation | | | | | | | | | | |
| Matrix Spike (AG63986-MS2) | So | urce: 16G227 | 9-01 | Prepared & | & Analyzed: | 07/28/16 | | | | |
| Nitrate as N | 5.78 | 0.20 | mg/L | 5.56 | ND | 103 | 80-120 | | | |
| Chloride | 13.3 | 0.50 | mg/L | 11.1 | 1.68 | 104 | 80-120 | | | |
| Nitrite as NO2 | 12.2 | 1.0 | mg/L | 18.2 | ND | 67.1 | 80-120 | | | QM-05 |
| Nitrate as NO3 | 26 | 1.0 | mg/L | 24.7 | ND | 103 | 80-120 | | | |
| Nitrite as N | 3.72 | 0.20 | mg/L | 5.56 | ND | 67.0 | 80-120 | | | QM-05 |
| Sulfate as SO4 | 22.9 | 0.50 | mg/L | 22.2 | ND | 102 | 80-120 | | | |
| Matrix Spike Dup (AG63986-MSD1) | So | urce: 16G227 | 5-01 | Prepared & Analyzed: 07/27/16 | | | | | | |
| Nitrate as N | 6.46 | 0.20 | mg/L | 5.56 | 0.620 | 105 | 80-120 | 0.132 | 20 | |
| Nitrite as NO2 | 19.0 | 1.0 | mg/L | 18.2 | ND | 104 | 80-120 | 0.308 | 20 | |
| Sulfate as SO4 | 22.5 | 0.50 | mg/L | 22.2 | ND | 101 | 80-120 | 0.335 | 20 | |
| Chloride | 12.0 | 0.50 | mg/L | 11.1 | ND | 105 | 80-120 | 0.0463 | 20 | |
| Nitrite as N | 5.77 | 0.20 | mg/L | 5.56 | ND | 104 | 80-120 | 0.308 | 20 | |
| Nitrate as NO3 | 29 | 1.0 | mg/L | 24.7 | 2.7 | 105 | 80-120 | 0.132 | 20 | |
| | | | | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Notes and Definitions

- 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-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-16 Sample prepared outside of recommended hold time. Client notified.
- 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

| Alpha Analytical Laboratories Inc. | | C 208 Mas 707-40 clients | iorpa ion S 68-04 ervia | orate L itreet, 401 F) cos@a | Labo, Ukiai 707- alpha | ratory 1, CA 468-5 -labs, | 9548 267, com | 2 | | 9 | 1090 I | Jnioir 91 | Cen Par 6-68 | <i>tral \</i> k Wy 16-51! | Vallej /., #1 90 F | y Lab 13, El) 916 | orate k Gre -686- | o <i>ry</i> ove, C 5192 | A 95 | 624 | C | cha | ain | V o | Vo f C | rk (Sust | Orc tod | ler ly F | Rec | ord | | | |
|---|------|-----------------------------------|----------------------------------|---------------------------------------|---------------------------------|------------------------------------|---------------------|------------|------------|------|--------|---------------------|--|---------------------------------|--------------------------|---------------------------------|-------------------------|-------------------------------|-----------------|--------------|---------------|--|--------------------|--------------|-----------|----------------|------------|-----------------|------|----------------------|----------------|----------|---|
| www.alpha-labs.com WATERS, SEDIMENTS, SOLIDS | 639 | 8 98 Doughe 925-82 | Bay A erty R 28-62 | lrea Li load, f 226 F) | abon #35, [) 925- | atory Dublin 1828-6 | CA 309 | 94568 | ; | | | • | | | | | | | | I | Lab M | ło | 161 | 1/2 | 16 | 2 | | Page | | of | _ | 5 | C |
| company/Name: | | Project I | D: | | | | | | | | _ | Т | Signature below authorizes work under terms stated on reve | | | | | | | rse side | Э. | | | | |] | | | | | | | |
| Vest Bay Sanitary District | | | | W | QI | VIOI | nito | orir | ŋg | | | | | | | | Δn | alvs | is R | eaue | est | | | | | Samn | le Nr | tas | | тат | | | |
| alling Address: | | Project I | No: | | | | | | | | | _ | – | - T | — 1 | | | | | | | | | - - - | | | | | + | 24 hr | | | |
| enio Park, CA 94025 | tol | ┣── | | | | | - | | | | | _ | | | ñ | | | 8 | | | | | | | | | | | | Ö | ush t | | 3 |
| n Simonetti | 10]. | PO# | PO# | | | | L L L | | | | | ž | ġ | ы. | | | | | | | | | | | or R | | | | | | | | |
| imonetti@westbaysanitary.org | | | | | | | 1 | Ę, | rus rus | | 5 | ate | lat. | | | | | | | | | | Lab | Ē | | | | | | | | | |
| hone/Fax: | | Site Con | itact: | | | ÷ | | | | | | | | | Ϋ́, Α | မို | | で | | | | | | | | _ | | | | Approval Received | squir | | |
| | | Lid | M | 50 | simpleff. | | | | | | | l, Na | Sol | L C | ш õ | | Ŭ V | | | | | <u></u> | 5 | | <u> </u> | 1 wk | al Re | | | | | | |
| eld Sampler - Print Name & Sigpettive | _ | _ | | Cont | taine | er F | res | erva | tive | M | atrix | ĸ | | | Mg. | 亡 | ge | orid | Bic | ste | | | | | ទី | Z | | | | \bigcirc | No.d | | |
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ELAP Certificates 1551, 2728, and 2922

10 August 2016

West Bay Sanitary District Attn: John Simonetti 500 Laurel Street Menlo Park, CA 94025 RE: WQ Monitoring Work Order: 16G2161

Enclosed are the results of analyses for samples received by the laboratory on 07/25/16 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Popli

Jeanette L. Poplin For Robbie C. Phillips Project Manager



e-mail: clientservices @alpha-labs.com

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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| G13104 / 072316A | 16G2161-01 | Water | 07/24/16 08:30 | 07/25/16 21:00 |
| G13220 / 072316B | 16G2161-02 | Water | 07/24/16 08:50 | 07/25/16 21:00 |
| G13223 / 072316C | 16G2161-03 | Water | 07/24/16 08:00 | 07/25/16 21:00 |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Pro | Project Manager: John Simonetti Project: WQ Monitoring Project Number: [none] | | | | | | | | | |
|---|---------------|---|----------|---------|-------------------|----------------|---------------|------|--|--|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | | |
| G13104 / 072316A (16G2161-01) | | Sample Type: | : Water | | d: 07/24/16 08:30 | | | | | | |
| Metals (Drinking Water) by EPA 200 Series M | lethods | | | | | | | | | | |
| Potassium | 17 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:55 | EPA 200.7 | | | | |
| Metals by EPA 200 Series Methods | | | | | | | | | | | |
| Aluminum | 0.69 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:55 | EPA 200.7 | | | | |
| Boron | 0.19 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:55 | EPA 200.7 | | | | |
| Calcium | 17 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:55 | EPA 200.7 | | | | |
| Iron | 1.8 mg/L | 0.10 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:55 | EPA 200.7 | | | | |
| Magnesium | 5.4 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:55 | EPA 200.7 | | | | |
| Manganese | 0.067 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:55 | EPA 200.7 | | | | |
| Sodium | 47 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:55 | EPA 200.7 | | | | |
| Zinc | 0.24 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:55 | EPA 200.7 | | | | |
| Conventional Chemistry Parameters by APH | A/EPA Methods | | | | | | | | | | |
| Ammonia as NH3 | 66 mg/L | 0.50 | 1 | AH63376 | 08/08/16 08:11 | 08/09/16 17:00 | SM4500NH3C | | | | |
| Bicarbonate | 290 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | | |
| Biochemical Oxygen Demand | 290 mg/L | 5.0 | 1 | AH63166 | 07/27/16 08:00 | 08/01/16 11:30 | SM5210B | T-1 | | | |
| рН | 7.40 pH Uni | ts 1.68 | 1 | AG63920 | 07/25/16 19:00 | 07/25/16 19:00 | SM4500-H+ B | T-1 | | | |
| Specific Conductance (EC) | 780 umhos/ | cm 20 | 1 | AG63945 | 07/26/16 16:00 | 08/01/16 14:49 | SM2510B | | | | |
| Total Dissolved Solids | 380 mg/L | 10 | 1 | AG64010 | 07/28/16 12:00 | 08/02/16 17:02 | SM2540C | | | | |
| Total Suspended Solids | 190 mg/L | 1.0 | 1 | AG64044 | 07/29/16 08:38 | 08/01/16 15:02 | SM2540D | | | | |
| Volatile Suspended Solids | 180 mg/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | | | | |
| Silica | 14 mg/L | 5.0 | 5 | AH63132 | 08/01/16 09:30 | 08/01/16 12:00 | SM4500-SiO2 C | | | | |
| Bicarbonate Alkalinity as CaCO3 | 240 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | | |
| Total Alkalinity as CaCO3 | 240 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | | |
| Total Kjeldahl Nitrogen | 55 mg/L | 1.0 | 1 | AH63327 | 08/09/16 07:06 | 08/09/16 10:37 | SM4500-Norg B | | | | |
| Total Nitrogen | 55 mg/L | 1.0 | 1 | AH63264 | 08/03/16 15:38 | 08/09/16 15:02 | SM4500-N | | | | |
| Hardness, Total | 64 mg/L | 5 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:55 | SM2340B | | | | |
| Phosphorus, total | 9.6 mg/L | 2.0 | 5 | AH63175 | 08/02/16 07:45 | 08/02/16 12:22 | SM4500-P E | | | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj | Reported: 08/10/16 09:21 | | | | | | |
|---|---------------|-----------------------------|----------|---------|----------------|-------------------|-----------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13104 / 072316A (16G2161-01) | | Sample Type | : Water | | Sample | d: 07/24/16 08:30 | | |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.85 NA | | 1 | AG64063 | 07/29/16 12:11 | 08/08/16 06:03 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 58 mg/L | 5.0 | 10 | AG63895 | 07/26/16 17:58 | 07/26/16 17:58 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63895 | 07/26/16 18:15 | 07/26/16 18:15 | EPA 300.0 | T-: |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63895 | 07/26/16 18:15 | 07/26/16 18:15 | EPA 300.0 | T-: |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63985 | 07/27/16 13:59 | 07/27/16 13:59 | EPA 300.0 | T-: |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63985 | 07/27/16 13:59 | 07/27/16 13:59 | EPA 300.0 | T-: |
| Sulfate as SO4 | 29 mg/L | 0.50 | 1 | AG63895 | 07/26/16 18:15 | 07/26/16 18:15 | EPA 300.0 | |
| G13220 / 072316B (16G2161-02) | | Sample Type: Water | | | Sample | | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | |
| Potassium | 16 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:59 | EPA 200.7 | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 0.49 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:59 | EPA 200.7 | |
| Boron | 0.20 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:59 | EPA 200.7 | |
| Calcium | 16 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:59 | EPA 200.7 | |
| Iron | 1.3 mg/L | 0.10 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:59 | EPA 200.7 | |
| Magnesium | 4.6 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:59 | EPA 200.7 | |
| Manganese | 0.072 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:59 | EPA 200.7 | |
| Sodium | 41 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:59 | EPA 200.7 | |
| Zinc | 0.18 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:59 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Pro | Project Manager: John Simonetti Project: WQ Monitoring Project Number: [none] | | | | | | | | | |
|---|---------------|---|----------|---------|----------------|-------------------|---------------|------|--|--|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | | |
| G13220 / 072316B (16G2161-02) | | Sample Type | : Water | | Sample | d: 07/24/16 08:50 | | | | | |
| Conventional Chemistry Parameters by APHA | /EPA Methods | | | | - | | | | | | |
| Ammonia as NH3 | 60 mg/L | 0.50 | 1 | AH63376 | 08/08/16 08:11 | 08/09/16 17:00 | SM4500NH3C | | | | |
| Bicarbonate | 260 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | | |
| Biochemical Oxygen Demand | 280 mg/L | 5.0 | 1 | AH63166 | 07/27/16 08:00 | 08/01/16 11:30 | SM5210B | T-16 | | | |
| рН | 7.33 pH Un | its 1.68 | 1 | AG63920 | 07/25/16 19:00 | 07/25/16 19:00 | SM4500-H+ B | T-14 | | | |
| Specific Conductance (EC) | 710 umhos | /cm 20 | 1 | AG63945 | 07/26/16 16:00 | 08/01/16 14:49 | SM2510B | | | | |
| Total Dissolved Solids | 360 mg/L | 10 | 1 | AG64010 | 07/28/16 12:00 | 08/02/16 17:02 | SM2540C | | | | |
| Total Suspended Solids | 200 mg/L | 1.0 | 1 | AG63995 | 07/28/16 08:09 | 07/29/16 13:49 | SM2540D | | | | |
| Volatile Suspended Solids | 190 mg/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | | | | |
| Silica | 14 mg/L | 5.0 | 5 | AH63132 | 08/01/16 09:30 | 08/01/16 12:00 | SM4500-SiO2 C | | | | |
| Bicarbonate Alkalinity as CaCO3 | 220 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | | |
| Total Alkalinity as CaCO3 | 220 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | | | | |
| Total Kjeldahl Nitrogen | 64 mg/L | 1.0 | 1 | AH63327 | 08/09/16 07:06 | 08/09/16 10:37 | SM4500-Norg B | | | | |
| Total Nitrogen | 64 mg/L | 1.0 | 1 | AH63264 | 08/03/16 15:38 | 08/09/16 15:02 | SM4500-N | | | | |
| Hardness, Total | 58 mg/L | 5 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 18:59 | SM2340B | | | | |
| Phosphorus, total | 7.4 mg/L | 2.0 | 5 | AH63175 | 08/02/16 07:45 | 08/02/16 12:22 | SM4500-P E | | | | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.55 NA | | 1 | AG64063 | 07/29/16 12:11 | 08/08/16 06:03 | SAR | | | | |
| Anions by EPA Method 300.0 | | | | | | | | | | | |
| Chloride | 46 mg/L | 5.0 | 10 | AG63895 | 07/26/16 18:31 | 07/26/16 18:31 | EPA 300.0 | | | | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63895 | 07/26/16 18:47 | 07/26/16 18:47 | EPA 300.0 | T-5 | | | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63895 | 07/26/16 18:47 | 07/26/16 18:47 | EPA 300.0 | T-5 | | | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63985 | 07/27/16 14:15 | 07/27/16 14:15 | EPA 300.0 | T-5 | | | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63985 | 07/27/16 14:15 | 07/27/16 14:15 | EPA 300.0 | T-5 | | | |
| Sulfate as SO4 | 26 mg/L | 0.50 | 1 | AG63895 | 07/26/16 18:47 | 07/26/16 18:47 | EPA 300.0 | | | | |
| G13223 / 072316C (16G2161-03) | | Sample Type | : Water | | Sample | d: 07/24/16 08:00 | | | | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | | | |
| Potassium | 15 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 19:04 | EPA 200.7 | | | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Re 08/10/1 | Reported: 08/10/16 09:21 | | | | | | |
|---|---------------|-----------------------------|----------|---------|----------------|-------------------|---------------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 072316C (16G2161-03) | | Sample Type | : Water | | Sample | d: 07/24/16 08:00 | | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 0.44 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 19:04 | EPA 200.7 | |
| Boron | 0.15 mg/L | 0.050 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 19:04 | EPA 200.7 | |
| Calcium | 17 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 19:04 | EPA 200.7 | |
| Iron | 1.3 mg/L | 0.10 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 19:04 | EPA 200.7 | |
| Magnesium | 9.5 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 19:04 | EPA 200.7 | |
| Manganese | 0.040 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 19:04 | EPA 200.7 | |
| Sodium | 50 mg/L | 1.0 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 19:04 | EPA 200.7 | |
| Zinc | 0.17 mg/L | 0.020 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 19:04 | EPA 200.7 | |
| Conventional Chemistry Parameters by APH | A/EPA Methods | | | | | | | |
| Ammonia as NH3 | 58 mg/L | 0.50 | 1 | AH63376 | 08/08/16 08:11 | 08/09/16 17:00 | SM4500NH3C | |
| Bicarbonate | 250 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Biochemical Oxygen Demand | 220 mg/L | 5.0 | 1 | AH63166 | 07/27/16 08:00 | 08/01/16 11:30 | SM5210B | T-1 |
| рН | 7.29 pH Units | 1.68 | 1 | AG63920 | 07/25/16 19:00 | 07/25/16 19:00 | SM4500-H+ B | T-1 |
| - Specific Conductance (EC) | 740 umhos/cm | 20 | 1 | AG63945 | 07/26/16 16:00 | 08/01/16 14:49 | SM2510B | |
| Total Dissolved Solids | 390 mg/L | 10 | 1 | AG64010 | 07/28/16 12:00 | 08/02/16 17:02 | SM2540C | |
| Total Suspended Solids | 220 mg/L | 1.0 | 1 | AG63995 | 07/28/16 08:09 | 07/29/16 13:49 | SM2540D | |
| Volatile Suspended Solids | 200 mg/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | |
| Silica | 17 mg/L | 5.0 | 5 | AH63132 | 08/01/16 09:30 | 08/01/16 12:00 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 200 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Total Alkalinity as CaCO3 | 200 mg/L | 5.0 | 1 | AG63963 | 07/29/16 08:00 | 07/29/16 16:20 | SM2320B | |
| Total Kjeldahl Nitrogen | 64 mg/L | 1.0 | 1 | AH63327 | 08/09/16 07:06 | 08/09/16 10:37 | SM4500-Norg B | |
| Total Nitrogen | 64 mg/L | 1.0 | 1 | AH63264 | 08/03/16 15:38 | 08/09/16 15:02 | SM4500-N | |
| Hardness, Total | 81 mg/L | 5 | 1 | AG64063 | 07/29/16 12:11 | 08/02/16 19:04 | SM2340B | |
| Phosphorus, total | 7.3 mg/L | 2.0 | 5 | AH63175 | 08/02/16 07:45 | 08/02/16 12:22 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | F 08/10/ | Reported: /16 09:21 | | | | | | |
|---|--------------|------------------------|----------|---------|----------------|-------------------|-----------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 072316C (16G2161-03) | | Sample Type: | Water | | Sample | d: 07/24/16 08:00 | | |
| Miscellaneous Physical/Conventional Chemistr | y Parameters | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.57 NA | | 1 | AG64063 | 07/29/16 12:11 | 08/08/16 06:03 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 51 mg/L | 2.5 | 5 | AH63437 | 08/09/16 11:20 | 08/09/16 11:20 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63985 | 07/27/16 14:32 | 07/27/16 14:32 | EPA 300.0 | T-5 |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63985 | 07/27/16 14:32 | 07/27/16 14:32 | EPA 300.0 | T-5 |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63985 | 07/27/16 14:32 | 07/27/16 14:32 | EPA 300.0 | T-5 |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63985 | 07/27/16 14:32 | 07/27/16 14:32 | EPA 300.0 | T-5 |
| Sulfate as SO4 | 47 mg/L | 0.50 | 1 | AG63895 | 07/27/16 14:32 | 07/27/16 14:32 | EPA 300.0 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

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

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|--------------|-------|-------------|------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64063 - Metals Digest | | | | | | | | | | |
| Blank (AG64063-BLK1) | | | | Prepared: (| 07/29/16 A | nalyzed: 08 | /02/16 | | | |
| Potassium | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG64063-BS1) | | | | Prepared: (|)7/29/16 A | nalyzed: 08 | /02/16 | | | |
| Potassium | 7.50 | 1.0 | mg/L | 8.00 | | 93.8 | 85-115 | | | |
| Duplicate (AG64063-DUP1) | Sou | rce: 16G2024 | 4-02 | Prepared: (|)7/29/16 A | nalyzed: 08 | /02/16 | | | |
| Potassium | 13.1 | 1.0 | mg/L | | 13.1 | | | 0.197 | 20 | |
| Matrix Spike (AG64063-MS1) | Sou | rce: 16G2024 | 4-02 | Prepared: (|)7/29/16 A | nalyzed: 08 | /02/16 | | | |
| Potassium | 21.2 | 1.0 | mg/L | 8.00 | 13.1 | 102 | 70-130 | | | |
| Matrix Spike (AG64063-MS2) | Sou | rce: 16G2143 | 3-01 | Prepared: (|)7/29/16 A | nalyzed: 08 | /02/16 | | | |
| Potassium | 9.43 | 1.0 | mg/L | 8.00 | 1.93 | 93.8 | 70-130 | | | |
| Matrix Spike Dup (AG64063-MSD1) | Sou | rce: 16G2024 | 4-02 | Prepared: (|)7/29/16 A | nalyzed: 08 | /02/16 | | | |
| Potassium | 20.8 | 1.0 | mg/L | 8.00 | 13.1 | 96.7 | 70-130 | 1.94 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

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 AG64063 - Metals Digest | | | | | | | | | | |
| Blank (AG64063-BLK1) | | | | Prepared: 0 | 7/29/16 Ar | alyzed: 08 | /02/16 | | | |
| Aluminum | ND | 0.050 | mg/L | 1 | | | | | | |
| 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 (AG64063-BS1) | | | | Prepared: 0 | 07/29/16 Ar | alyzed: 08 | /02/16 | | | |
| Aluminum | 1.87 | 0.050 | mg/L | 2.00 | | 93.6 | 85-115 | | | |
| Boron | 0.361 | 0.050 | mg/L | 0.400 | | 90.3 | 85-115 | | | |
| Calcium | 7.34 | 1.0 | mg/L | 8.00 | | 91.8 | 85-115 | | | |
| Iron | 1.92 | 0.10 | mg/L | 2.00 | | 95.9 | 85-115 | | | |
| Magnesium | 7.19 | 1.0 | mg/L | 8.00 | | 89.8 | 85-115 | | | |
| Manganese | 0.190 | 0.020 | mg/L | 0.200 | | 95.1 | 85-115 | | | |
| Sodium | 7.66 | 1.0 | mg/L | 8.00 | | 95.7 | 85-115 | | | |
| Zinc | 0.185 | 0.020 | mg/L | 0.200 | | 92.7 | 85-115 | | | |
| Duplicate (AG64063-DUP1) | Se | ource: 16G2024 | 4-02 | Prepared: 0 | 7/29/16 Ar | alyzed: 08 | /02/16 | | | |
| Aluminum | ND | 0.050 | mg/L | | ND | | | | 20 | |
| Boron | ND | 0.050 | mg/L | | ND | | | 6.77 | 20 | |
| Calcium | 36.7 | 1.0 | mg/L | | 36.3 | | | 0.892 | 20 | |
| Iron | ND | 0.10 | mg/L | | ND | | | 3.64 | 20 | |
| Magnesium | 9.27 | 1.0 | mg/L | | 9.09 | | | 1.93 | 20 | |
| Manganese | ND | 0.020 | mg/L | | ND | | | 2.91 | 20 | |
| Sodium | 41.0 | 1.0 | mg/L | | 40.7 | | | 0.781 | 20 | |
| Zinc | 0.0391 | 0.020 | mg/L | | 0.0388 | | | 0.572 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Metals by EPA 200 Series Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|---------------|-------|-------------|---------------------------------------|-------------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64063 - Metals Digest | | | | | | | | | | |
| Matrix Spike (AG64063-MS1) | Se | ource: 16G202 | 4-02 | Prepared: (| Prepared: 07/29/16 Analyzed: 08/02/16 | | | | | |
| Aluminum | 1.91 | 0.050 | mg/L | 2.00 | ND | 93.2 | 70-130 | | | |
| Boron | 0.400 | 0.050 | mg/L | 0.400 | ND | 91.5 | 70-130 | | | |
| Calcium | 44.5 | 1.0 | mg/L | 8.00 | 36.3 | 102 | 70-130 | | | |
| Iron | 1.95 | 0.10 | mg/L | 2.00 | ND | 96.2 | 70-130 | | | |
| Magnesium | 17.5 | 1.0 | mg/L | 8.00 | 9.09 | 106 | 70-130 | | | |
| Manganese | 0.203 | 0.020 | mg/L | 0.200 | ND | 96.4 | 70-130 | | | |
| Sodium | 48.7 | 1.0 | mg/L | 8.00 | 40.7 | 99.8 | 70-130 | | | |
| Zinc | 0.235 | 0.020 | mg/L | 0.200 | 0.0388 | 97.9 | 70-130 | | | |
| | _ | | | ~ | | | | | | |
| Matrix Spike (AG64063-MS2) | Se | ource: 16G214 | 3-01 | Prepared: (|)7/29/16 Ai | nalyzed: 08 | /02/16 | | | |
| Aluminum | 12.5 | 0.050 | mg/L | 2.00 | 8.11 | 217 | 70-130 | | | QM-4X |
| Boron | 0.477 | 0.050 | mg/L | 0.400 | 0.117 | 89.9 | 70-130 | | | |
| Calcium | 94.2 | 1.0 | mg/L | 8.00 | 85.2 | 113 | 70-130 | | | |
| Iron | 6.96 | 0.10 | mg/L | 2.00 | 4.58 | 119 | 70-130 | | | |
| Magnesium | 46.4 | 1.0 | mg/L | 8.00 | 38.5 | 98.7 | 70-130 | | | |
| Manganese | 0.404 | 0.020 | mg/L | 0.200 | 0.222 | 90.9 | 70-130 | | | |
| Sodium | 23.2 | 1.0 | mg/L | 8.00 | 15.6 | 95.1 | 70-130 | | | |
| Zinc | 0.211 | 0.020 | mg/L | 0.200 | 0.0233 | 93.6 | 70-130 | | | |
| Matrix Spike Dup (AG64063-MSD1) | Se | ource: 16G202 | 4-02 | Prepared: (|)7/29/16 Ai | nalyzed: 08 | /02/16 | | | |
| Aluminum | 1.85 | 0.050 | mg/L | 2.00 | ND | 90.4 | 70-130 | 2.94 | 20 | |
| Boron | 0.393 | 0.050 | mg/L | 0.400 | ND | 89.9 | 70-130 | 1.58 | 20 | |
| Calcium | 44.4 | 1.0 | mg/L | 8.00 | 36.3 | 101 | 70-130 | 0.232 | 20 | |
| Iron | 1.89 | 0.10 | mg/L | 2.00 | ND | 93.4 | 70-130 | 2.90 | 20 | |
| Magnesium | 17.1 | 1.0 | mg/L | 8.00 | 9.09 | 99.7 | 70-130 | 2.68 | 20 | |
| Manganese | 0.197 | 0.020 | mg/L | 0.200 | ND | 93.5 | 70-130 | 2.88 | 20 | |
| Sodium | 48.6 | 1.0 | mg/L | 8.00 | 40.7 | 99.0 | 70-130 | 0.130 | 20 | |
| Zinc | 0.228 | 0.020 | mg/L | 0.200 | 0.0388 | 94.7 | 70-130 | 2.72 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| Analyta(a) | Degult | Reporting | Unita | Spike | Source | 0/DEC | %REC | DDD | RPD Limit | Flag |
|-------------------------------------|---|-------------|----------|-------------|------------|-------------|--------|-------|--------------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Tiag |
| Batch AG63920 - General Preparation | | | | | | | | | | |
| Duplicate (AG63920-DUP1) | Sou | rce: 16G211 | 1-01 | Prepared & | Analyzed: | 07/25/16 | | | | |
| pH | 7.47 | 1.68 | pH Units | 7.40 | | | | 0.941 | 20 | |
| Batch AG63933 - General Preparation | | | | | | | | | | |
| Blank (AG63933-BLK1) | | | | Prepared: (| 07/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63933-DUP1) | Source: 16G1817-01 Preparent 117 1.0 mg/L | | | Prepared: (|)7/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | 117 | 1.0 | mg/L | | 155 | | | 28.1 | 30 | |
| Duplicate (AG63933-DUP2) | Sou | rce: 16G181 | 7-03 | Prepared: (| 07/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | 331 | 1.0 | mg/L | | 251 | | | 27.4 | 30 | |
| Batch AG63945 - General Preparation | | | | | | | | | | |
| Duplicate (AG63945-DUP1) | Sou | rce: 16G224 | 5-01 | Prepared & | Analyzed: | 07/26/16 | | | | |
| Specific Conductance (EC) | 213 | 20 | umhos/cm | | 213 | | | 0.00 | 5 | |
| Batch AG63963 - General Preparation | | | | | | | | | | |
| Duplicate (AG63963-DUP1) | Sou | rce: 16G211 | 1-01 | Prepared & | Analyzed: | 07/29/16 | | | | |
| Bicarbonate | 262 | 5.0 | mg/L | | 262 | | | 0.00 | 20 | |
| Bicarbonate Alkalinity as CaCO3 | 215 | 5.0 | mg/L | | 215 | | | 0.00 | 20 | |
| Total Alkalinity as CaCO3 | 215 | 5.0 | mg/L | | 215 | | | 0.00 | 20 | |
| Hydroxide Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Carbonate Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Spike | Source | | %REC | | | | | |
|-------------------------------------|--------|-------------|--------|-------------|------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63995 - General Preparation | | | | | | | | | | |
| Blank (AG63995-BLK1) | | | | Prepared: (| 07/26/16 A | nalyzed: 07 | /29/16 | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63995-DUP1) | Sou | rce: 16G194 | 6-01 | Prepared: (| 07/26/16 A | nalyzed: 07 | /29/16 | | | |
| Total Suspended Solids | 88.2 | 1.0 | mg/L | | 116 | | | 27.3 | 30 | |
| Duplicate (AG63995-DUP2) | Sou | rce: 16G195 | 2-02 | Prepared: (| 07/26/16 A | nalyzed: 07 | /29/16 | | | |
| Total Suspended Solids | 492 | 1.0 | mg/L | | 406 | - | | 19.1 | 30 | |
| Batch AG64010 - General Preparation | | | | | | | | | | |
| Blank (AG64010-BLK1) | | | | Prepared: (| 07/28/16 A | nalyzed: 08 | /02/16 | | | |
| Total Dissolved Solids | ND | 10 | mg/L | | | | | | | |
| Duplicate (AG64010-DUP1) | Sou | rce: 16G253 | 6-01 | Prepared: (| 07/28/16 A | nalyzed: 08 | /02/16 | | | |
| Total Dissolved Solids | 348 | 10 | mg/L | | 315 | | | 10.1 | 15 | |
| Duplicate (AG64010-DUP2) | Sou | rce: 16G226 | 7-01 | Prepared: (| 07/28/16 A | nalyzed: 08 | /02/16 | | | |
| Total Dissolved Solids | 147 | 10 | mg/L | | 170 | | | 14.5 | 15 | |
| Batch AG64044 - General Preparation | | | | | | | | | | |
| Blank (AG64044-BLK1) | | | | Prepared: (| 07/29/16 A | nalyzed: 08 | /01/16 | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG64044-DUP1) | Sou | rce: 16G216 | 3-01 | Prepared: (| 07/29/16 A | nalyzed: 08 | /01/16 | | | |
| Total Suspended Solids | 217 | 1.0 | mg/L | | 185 | | | 16.2 | 30 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | Reporting | | | Spike | Source | | %REC | | RPD | RPD | |
|-------------------------------------|-----------------------|-------------|-------------|-------------------------------|-------------|-------------|--------|-------|-------|------|--|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag | |
| Batch AG64044 - General Preparation | | | | | | | | | | | |
| Duplicate (AG64044-DUP2) | Source: 16G2163-03 | | Prepared: 0 | 07/29/16 A | nalyzed: 08 | /01/16 | | | | | |
| Total Suspended Solids | 327 | 1.0 | mg/L | | 319 | | | 2.65 | 30 | | |
| Batch AG64063 - Metals Digest | | | | | | | | | | | |
| Blank (AG64063-BLK1) | | | | Prepared: 0 | 07/29/16 A | nalyzed: 08 | /02/16 | | | | |
| Hardness, Total | ND | 5 | mg/L | | | | | | | | |
| Duplicate (AG64063-DUP1) | Source: 16G2024-02 Pr | | | Prepared: 0 | 07/29/16 A | nalyzed: 08 | | | | | |
| Hardness, Total | 130 | 5 | mg/L | | 128 | | | 1.20 | 20 | | |
| Batch AH63132 - General Preparation | | | | | | | | | | | |
| Blank (AH63132-BLK1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | | |
| Silica | ND | 1.0 | mg/L | | | | | | | | |
| LCS (AH63132-BS1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | | |
| Silica | 9.57 | 1.0 | mg/L | 10.0 | | 95.7 | 85-115 | | | | |
| LCS Dup (AH63132-BSD1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | | |
| Silica | 9.61 | 1.0 | mg/L | 10.0 | | 96.1 | 85-115 | 0.419 | 20 | | |
| Duplicate (AH63132-DUP1) | Sou | rce: 16G216 | 0-01 | Prepared & | Analyzed: | 08/01/16 | | | | | |
| Silica | 14.7 | 5.0 | mg/L | | 14.9 | | | 1.36 | 20 | | |
| Matrix Spike (AH63132-MS1) | Sou | rce: 16G216 | 0-01 | Prepared & Analyzed: 08/01/16 | | | | | | | |
| Silica | 39.2 | 5.0 | mg/L | 25.0 | 14.9 | 97.2 | 80-120 | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|--------------|------------|---------------------------------------|------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63132 - General Preparation | | | | | | | | | | |
| Matrix Spike Dup (AH63132-MSD1) | Source: 16G2160-01 | | Prepared & | Analyzed: | 08/01/16 | | | | | |
| Silica | 39.2 | 5.0 | mg/L | 25.0 | 14.9 | 97.2 | 80-120 | 0.00 | 20 | |
| Batch AH63166 - General Preparation | | | | | | | | | | |
| Blank (AH63166-BLK1) | | | | Prepared: (| 07/27/16 A | nalyzed: 08 | /01/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| Blank (AH63166-BLK2) | | | | Prepared: 07/27/16 Analyzed: 08/01/16 | | | | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| LCS (AH63166-BS1) | | | | Prepared: (| 07/27/16 A | nalyzed: 08 | | | | |
| Biochemical Oxygen Demand | 218 | 5.0 | mg/L | 200 | | 109 | 84-115 | | | |
| Duplicate (AH63166-DUP1) | Sou | rce: 16G228 | 1-02 | Prepared: 07/27/16 Analyzed: 08/01/16 | | | | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | ND | | | 5.56 | 30 | |
| Batch AH63175 - General Prep | | | | | | | | | | |
| Blank (AH63175-BLK1) | | | | Prepared & | Analyzed: | 08/02/16 | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | | | | | | |
| LCS (AH63175-BS1) | | | | Prepared & | Analyzed: | 08/02/16 | | | | |
| Phosphorus, total | 0.196 | 0.040 | mg/L | 0.200 | | 98.1 | 85-115 | | | |
| Duplicate (AH63175-DUP1) | Sou | irce: 16G211 | 2-01 | Prepared & Analyzed: 08/02/16 | | | | | | |
| Phosphorus, total | 0.133 | 0.040 | mg/L | | 0.135 | | | 1.97 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Snike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|-------|---------------------------------------|------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63175 - General Prep | | | | | | | | | | |
| Matrix Spike (AH63175-MS1) | Sou | rce: 16G211 | 2-01 | Prepared 8 | Analyzed: | 08/02/16 | | | | |
| Phosphorus, total | 0.311 | 0.040 | mg/L | 0.200 | 0.135 | 88.0 | 70-130 | | | |
| Matrix Spike Dup (AH63175-MSD1) | Sou | rce: 16G211 | 2-01 | Prepared & Analyzed: 08/02/16 | | | | | | |
| Phosphorus, total | 0.309 | 0.040 | mg/L | 0.200 | 0.135 | 86.6 | 70-130 | 0.852 | 20 | |
| Batch AH63327 - General Prep | | | | | | | | | | |
| LCS (AH63327-BS1) | | | | Prepared: (| 08/08/16 A | | | | | |
| Total Kjeldahl Nitrogen | 3.04 | 1.0 | mg/L | 2.98 | | 102 | 80-120 | | | |
| LCS Dup (AH63327-BSD1) | | | | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Total Kjeldahl Nitrogen | 3.04 | 1.0 | mg/L | 2.98 | | 102 | 80-120 | 0.00 | 20 | |
| Matrix Spike (AH63327-MS1) | Sou | rce: 16G226 | 0-01 | Prepared: 08/08/16 Analyzed: 08/09/16 | | | | | | |
| Total Kjeldahl Nitrogen | 64.4 | 1.0 | mg/L | 22.6 | 40.6 | 105 | 75-125 | | | |
| Matrix Spike Dup (AH63327-MSD1) | Sou | rce: 16G226 | 0-01 | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Total Kjeldahl Nitrogen | 64.4 | 1.0 | mg/L | 22.6 | 40.6 | 105 | 75-125 | 0.00 | 20 | |
| Batch AH63376 - General Preparation | | | | | | | | | | |
| Blank (AH63376-BLK1) | | | | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Ammonia as NH3 | ND | 0.50 | mg/L | | | | | | | |
| LCS (AH63376-BS1) | | | | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Ammonia as NH3 | 5.75 | 0.50 | mg/L | 6.10 | | 94.2 | 90-110 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|---------------------------------------|------------|-------|---------------------------------------|------------|-------------|--------|------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63376 - General Preparation | | | | | | | | | | |
| LCS Dup (AH63376-BSD1) | Prepared: 08/08/16 Analyzed: 08/09/16 | | | | | | | | | |
| Ammonia as NH3 | 5.96 | 0.50 | mg/L | 6.10 | | 97.7 | 90-110 | 3.64 | 10 | |
| Matrix Spike (AH63376-MS1) | Sour | ce: 16G235 | 0-01 | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Ammonia as NH3 | 9.58 | 0.50 | mg/L | 6.10 | 4.47 | 83.8 | 85-115 | | | QM-05 |
| Matrix Spike Dup (AH63376-MSD1) | Sour | ce: 16G235 | 0-01 | Prepared: 08/08/16 Analyzed: 08/09/16 | | | | | | |
| Ammonia as NH3 | 9.69 | 0.50 | mg/L | 6.10 | 4.47 | 85.5 | 85-115 | 1.11 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Anions by EPA Method 300.0 - Quality Control

| | | Reporting | | Snike | Source | | %RFC | | RPD | | | | |
|-------------------------------------|--------|--------------|-------------------------------|-------------------------------|-----------|----------|--------|-------|-------|------|--|--|--|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag | | | |
| Batch AG63895 - General Preparation | | | | | | | | | | | | | |
| Blank (AG63895-BLK1) | | | | Prepared & Analyzed: 07/26/16 | | | | | | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | | | | | | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | | | | | | | | | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | | | | | | | | | |
| Chloride | ND | 0.50 | mg/L | | | | | | | | | | |
| LCS (AG63895-BS1) | | | Prepared & Analyzed: 07/26/16 | | | | | | | | | | |
| Nitrate as N | 5.89 | 0.20 | mg/L | 5.56 | | 106 | 90-110 | | | | | | |
| Sulfate as SO4 | 23.2 | 0.50 | mg/L | 22.2 | | 104 | 90-110 | | | | | | |
| Chloride | 11.7 | 0.50 | mg/L | 11.1 | | 105 | 90-110 | | | | | | |
| Nitrate as NO3 | 26 | 1.0 | mg/L | 24.7 | | 106 | 90-110 | | | | | | |
| Duplicate (AG63895-DUP1) | Sou | Irce: 16G222 | 9-01 | Prepared & | Analyzed: | 07/27/16 | | | | | | | |
| Chloride | 12.2 | 0.50 | mg/L | | 12.2 | | | 0.139 | 20 | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | ND | | | | 20 | | | | |
| Sulfate as SO4 | 6.74 | 0.50 | mg/L | | 6.72 | | | 0.372 | 20 | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | ND | | | | 20 | | | | |
| Matrix Spike (AG63895-MS1) | Soι | Irce: 16G222 | 9-01 | Prepared & | Analyzed: | 07/27/16 | | | | | | | |
| Sulfate as SO4 | 29.5 | 2.5 | mg/L | 22.2 | 6.72 | 103 | 80-120 | | | | | | |
| Chloride | 24.0 | 2.5 | mg/L | 11.1 | 12.2 | 106 | 80-120 | | | | | | |
| Nitrate as NO3 | 26 | 5.0 | mg/L | 24.7 | ND | 105 | 80-120 | | | | | | |
| Nitrate as N | 5.82 | 1.0 | mg/L | 5.56 | ND | 105 | 80-120 | | | | | | |
| Matrix Spike (AG63895-MS2) | Soι | Irce: 16G224 | 4-01 | Prepared & | Analyzed: | 07/27/16 | | | | | | | |
| Nitrate as NO3 | 43 | 5.0 | mg/L | 24.7 | 18 | 105 | 80-120 | | | | | | |
| Sulfate as SO4 | 48.6 | 2.5 | mg/L | 22.2 | 25.4 | 104 | 80-120 | | | | | | |
| Nitrate as N | 9.81 | 1.0 | mg/L | 5.56 | 3.96 | 105 | 80-120 | | | | | | |
| Chloride | 49.9 | 2.5 | mg/L | 11.1 | 39.2 | 96.6 | 80-120 | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Anions by EPA Method 300.0 - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|------------|-------|-------------------------------|-------------|----------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63895 - General Preparation | | | | | | | | | | |
| Matrix Spike Dup (AG63895-MSD1) | Sour | ce: 16G222 | 9-01 | Prepared & | Analyzed: | | | | | |
| Nitrate as N | 5.77 | 1.0 | mg/L | 5.56 | ND | 104 | 80-120 | 0.909 | 20 | |
| Nitrate as NO3 | 26 | 5.0 | mg/L | 24.7 | ND | 104 | 80-120 | 0.909 | 20 | |
| Sulfate as SO4 | 29.5 | 2.5 | mg/L | 22.2 | 6.72 | 102 | 80-120 | 0.151 | 20 | |
| Chloride | 23.9 | 2.5 | mg/L | 11.1 | 12.2 | 105 | 80-120 | 0.556 | 20 | |
| Batch AG63985 - General Preparation | | | | | | | | | | |
| Blank (AG63985-BLK1) | | | | Prepared & | Analyzed: | 07/27/16 | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | | | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | | | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | | | | | | |
| LCS (AG63985-BS1) | | | | Prepared & Analyzed: 07/27/16 | | | | | | |
| Nitrate as NO3 | 26 | 1.0 | mg/L | 24.7 | | 106 | 90-110 | | | |
| Nitrite as NO2 | 17.9 | 1.0 | mg/L | 18.2 | | 98.0 | 90-110 | | | |
| Nitrate as N | 5.90 | 0.20 | mg/L | 5.56 | | 106 | 90-110 | | | |
| Nitrite as N | 5.43 | 0.20 | mg/L | 5.56 | | 97.8 | 90-110 | | | |
| Duplicate (AG63985-DUP1) | Sour | ce: 16G222 | 9-01 | Prepared 8 | Analyzed: | 07/27/16 | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Nitrate as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Matrix Spike (AG63985-MS1) | Sour | ce: 16G222 | 9-01 | Prepared & | a Analyzed: | 07/27/16 | | | | |
| Nitrate as NO3 | 24 | 10 | mg/L | 24.7 | ND | 95.8 | 80-120 | | | |
| Nitrite as NO2 | 14.0 | 10 | mg/L | 18.2 | ND | 76.7 | 80-120 | | | QM-05 |
| Nitrate as N | 5.33 | 2.0 | mg/L | 5.56 | ND | 96.0 | 80-120 | | | |
| Nitrite as N | 4.26 | 2.0 | mg/L | 5.56 | ND | 76.6 | 80-120 | | | QM-05 |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

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 AG63985 - General Preparation | | | | | | | | | | |
| Matrix Spike (AG63985-MS2) | Sour | ce: 16G237 | 5-01 | Prepared & | Analyzed: | 08/01/16 | | | | |
| Nitrate as NO3 | 52 | 5.0 | mg/L | 24.7 | 27 | 100 | 80-120 | | | |
| Nitrite as N | 5.58 | 1.0 | mg/L | 5.56 | ND | 100 | 80-120 | | | |
| Nitrate as N | 11.8 | 1.0 | mg/L | 5.56 | 6.17 | 101 | 80-120 | | | |
| Nitrite as NO2 | 18.3 | 5.0 | mg/L | 18.2 | ND | 101 | 80-120 | | | |
| Matrix Spike Dup (AG63985-MSD1) | Sour | ce: 16G222 | Ə-01 | Prepared 8 | Analyzed: | 07/27/16 | | | | |
| Nitrate as N | 5.21 | 2.0 | mg/L | 5.56 | ND | 93.8 | 80-120 | 2.28 | 20 | |
| Nitrite as NO2 | 13.9 | 10 | mg/L | 18.2 | ND | 76.1 | 80-120 | 0.786 | 20 | QM-05 |
| Nitrite as N | 4.22 | 2.0 | mg/L | 5.56 | ND | 76.0 | 80-120 | 0.786 | 20 | QM-05 |
| Nitrate as NO3 | 23 | 10 | mg/L | 24.7 | ND | 93.6 | 80-120 | 2.28 | 20 | |

Batch AH63437 - General Preparation

| LCS (AH63437-BS1) | Prepared & Analyzed: 08/09/16 | | | | | | | | | | | | | |
|---|-------------------------------|----------------|------|-------------------------------|---------------------|--------------|--------|------|----|--|--|--|--|--|
| Chloride | 10.7 | 0.50 | mg/L | 10.0 | | 107 | 90-110 | | | | | | | |
| Duplicate (AH63437-DUP1) | Source: 16H0780-01 Pr | | | Prepared & | Analyzed: | 08/09/16 | | | | | | | | |
| Chloride | 39.7 | 2.5 | mg/L | | 41.5 | | | 4.28 | 20 | | | | | |
| | Source: 16H0780-01 P | | | Prepared & Analyzed: 08/09/16 | | | | | | | | | | |
| Matrix Spike (AH63437-MS1) | Source. | 1010/00 | -01 | Prepared & | Analyzeu. | J8/09/10 | | | | | | | | |
| Chloride | 51.2 | 2.5 | mg/L | 11.1 | 41.5 | 87.4 | 80-120 | | | | | | | |
| Matrix Spike (AH63437-MS1) Chloride Matrix Spike Dup (AH63437-MSD1) | 51.2 Source: | 2.5 16H0780 | mg/L | 11.1 Prepared & | 41.5 Analyzed: (| 87.4 87.4 | 80-120 | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Notes and Definitions

- 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-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-16 Sample prepared outside of recommended hold time. Client notified.
- 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

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| Company/Name: | Project ID: | Project ID: | | | | | | ture bel | ow auti | horizes | work u | nder te | rms st | ated on r | everse s | side. | | | | | C |
| West Bay Sanitary District | 1 | | Analysis Regulat | | | | | | | | San | nnlo No | tee | тат | | | 35 | | | | |
| Mailing Address: 500 Laurel Street Menio Park, CA 94025 | Project No: | | | | | | , s | | | | | | | | | <u> </u> | | 24 hr | | | |
| Project Contact & Email (Hardcopy or PDF to): | | | _ | | | | 2 - | | ļ ğ | . | ۶ | | | | | | | 48 hr | Rus | | |
| juon Simonetti isimopetti@westbaysanitary.org | PO# | | | | | | l ≥ v | গ | 2 | | at d | | | | 1 | | | | Ē | | |
| Phone/Fax: | Site Contact? | | | - | - | | ш | ۲ <u>o</u> | ž | uat l | 3 | | | | | | | Lab Approval | Par | | |
| | 1/ | <u>LiL</u> | Sire | : Hare | | | g, Na, A | hosph | de, EC, | carbo | cal Cal | | | | 0 | | | Required 1 wk | val Requ | | |
| Field Sampler - Print Name & Signature | | ontainer | Preservativ | ve Matrix | <u> </u> | | ≊ | <u>а</u> 2 | loric 8 | | ISte | | | Ö | B | | | \circ | DD CO | | |
| Sample | ection | <u>ه و</u> ـ | | | _ log | Ηđ | 7 - B, C | monia al Nitr | ate, Ch | alinity | K Agit | 8 8 8 | G | S dness | 01 2 | | | 2 wk (standard) | Lab Aj | | |
| Identification Date | Time 🔤 | Othe Steer | Office R | None Vate Soit | ξIS | 2 | 20 | Ę Į Ę | Sel | ₹ | ₹n ii | ΪË | 13 | N A | \geq | | | \circ | μ | | |
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| Relinquished by: | Received by: | ay, | | | Date | | Time | | | | | | | | | - | | | _ | | |
| /man- | Dal | | L | | 7 70 | -11 | 12 | ക | CD | PH W | rite (| Dn El | DT R | eport? | | Yes | () | No (| | | |
| Relingershed by | Received by: | R | 5 | [[; | Date 7 / 2 5 | 16 | Time | <u>.</u> .45 | Sta | ate Sy | /sten | n Nu | mbe | r; | <u> </u> | - 2 | | | | | Ň |
| Relinquished by: RS | Received by: | Zon | $\overline{\mathcal{C}}$ | | | B | Time | le | , са | Geot | racke | er ED | F Re | port | | Yes (| \bigcirc | No. | 5 | | |
| Relinquished by: | Received by: | | | 6 | Date | 2 | Time | , | Sai | mpling | g Cor | npan | y Ĺog | Code | : | | | | | | |
| Sur | | ph | \sim | | 112 | \supset | 21 | C | Glo | bal IE |): | | | EDF | to (Emai | i Address); | | | | | - |
| Relinquished by: | Received bg | | | ĺ | Date | | Time | | Trav | vel and | Site | ime: | Milea | ge: | N | visc. Sup | plies: | · · | | | |


Alpha Analytical Laboratories Inc. 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

10 August 2016

West Bay Sanitary District Attn: John Simonetti 500 Laurel Street Menlo Park, CA 94025 RE: WQ Monitoring Work Order: 16G2163

Enclosed are the results of analyses for samples received by the laboratory on 07/25/16 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Popli

Jeanette L. Poplin For Robbie C. Phillips Project Manager



e-mail: clientservices @alpha-labs.com

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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| G13104 / 072416A | 16G2163-01 | Water | 07/25/16 09:10 | 07/25/16 21:00 |
| G13220 / 072416B | 16G2163-02 | Water | 07/25/16 09:50 | 07/25/16 21:00 |
| G13223 / 072416C | 16G2163-03 | Water | 07/25/16 08:40 | 07/25/16 21:00 |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Pro | Project Manager: John Simonetti Project: WQ Monitoring Project Number: [none] | | | | | | | | |
|---|---------------|---|----------|---------|----------------|-------------------|---------------|------|--|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | |
| G13104 / 072416A (16G2163-01) | | Sample Type: | : Water | | Sample | d: 07/25/16 09:10 | | | | |
| Metals (Drinking Water) by EPA 200 Series M | lethods | | | | | | | | | |
| Potassium | 17 mg/L | 1.0 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:23 | EPA 200.7 | | | |
| Metals by EPA 200 Series Methods | | | | | | | | | | |
| Aluminum | 0.46 mg/L | 0.050 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:23 | EPA 200.7 | | | |
| Boron | 0.24 mg/L | 0.050 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:23 | EPA 200.7 | | | |
| Calcium | 15 mg/L | 1.0 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:23 | EPA 200.7 | | | |
| Iron | 1.2 mg/L | 0.10 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:23 | EPA 200.7 | | | |
| Magnesium | 5.1 mg/L | 1.0 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:23 | EPA 200.7 | | | |
| Manganese | 0.068 mg/L | 0.020 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:23 | EPA 200.7 | | | |
| Sodium | 51 mg/L | 10 | 10 | AG64064 | 07/29/16 12:15 | 08/05/16 16:15 | EPA 200.7 | | | |
| Zinc | 0.16 mg/L | 0.020 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:23 | EPA 200.7 | | | |
| Conventional Chemistry Parameters by APH | A/EPA Methods | | | | | | | | | |
| Ammonia as NH3 | 68 mg/L | 0.50 | 1 | AH63376 | 08/08/16 08:11 | 08/09/16 17:00 | SM4500NH3C | | | |
| Bicarbonate | 270 mg/L | 5.0 | 1 | AG63965 | 08/01/16 08:00 | 08/01/16 12:27 | SM2320B | | | |
| Biochemical Oxygen Demand | 320 mg/L | 5.0 | 1 | AH63166 | 07/27/16 08:00 | 08/01/16 11:30 | SM5210B | | | |
| рН | 7.17 pH Uni | its 1.68 | 1 | AG63920 | 07/25/16 19:00 | 07/25/16 19:00 | SM4500-H+ B | T-1- | | |
| Specific Conductance (EC) | 740 umhos/ | /cm 20 | 1 | AG63944 | 07/26/16 16:00 | 07/26/16 17:00 | SM2510B | | | |
| Total Dissolved Solids | 350 mg/L | 10 | 1 | AG64010 | 07/28/16 12:00 | 08/02/16 17:02 | SM2540C | | | |
| Total Suspended Solids | 180 mg/L | 1.0 | 1 | AG64044 | 07/29/16 08:38 | 08/01/16 15:02 | SM2540D | | | |
| Volatile Suspended Solids | 180 mg/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | | | |
| Silica | 14 mg/L | 5.0 | 5 | AH63132 | 08/01/16 09:30 | 08/01/16 12:00 | SM4500-SiO2 C | | | |
| Bicarbonate Alkalinity as CaCO3 | 220 mg/L | 5.0 | 1 | AG63965 | 08/01/16 08:00 | 08/01/16 12:27 | SM2320B | | | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63965 | 08/01/16 08:00 | 08/01/16 12:27 | SM2320B | | | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63965 | 08/01/16 08:00 | 08/01/16 12:27 | SM2320B | | | |
| Total Alkalinity as CaCO3 | 220 mg/L | 5.0 | 1 | AG63965 | 08/01/16 08:00 | 08/01/16 12:27 | SM2320B | | | |
| Total Kjeldahl Nitrogen | 58 mg/L | 1.0 | 1 | AH63327 | 08/09/16 07:06 | 08/09/16 10:37 | SM4500-Norg B | | | |
| Total Nitrogen | 58 mg/L | 1.0 | 1 | AH63264 | 08/03/16 15:38 | 08/09/16 15:02 | SM4500-N | | | |
| Hardness, Total | 58 mg/L | 5 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:23 | SM2340B | | | |
| Phosphorus, total | 7.0 mg/L | 2.0 | 5 | AH63223 | 08/03/16 07:30 | 08/03/16 10:15 | SM4500-P E | | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj Pro | Project Manager: John Simonetti Project: WQ Monitoring Project Number: [none] | | | | | | | |
|---|---------------|---|----------|---------|----------------|-------------------|-----------|------|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | |
| G13104 / 072416A (16G2163-01) | | Sample Type | : Water | | Sample | | | | |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters | | | | - | | | | |
| Sodium Adsorption Ratio-Adj RNa | 3.02 NA | | 1 | AG64064 | 07/29/16 12:15 | 08/08/16 06:07 | SAR | | |
| Anions by EPA Method 300.0 | | | | | | | | | |
| Chloride | 52 mg/L | 5.0 | 10 | AG63895 | 07/26/16 21:15 | 07/26/16 21:15 | EPA 300.0 | | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63895 | 07/26/16 21:31 | 07/26/16 21:31 | EPA 300.0 | | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63895 | 07/26/16 21:31 | 07/26/16 21:31 | EPA 300.0 | | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63985 | 07/27/16 14:48 | 07/27/16 14:48 | EPA 300.0 | T- | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63985 | 07/27/16 14:48 | 07/27/16 14:48 | EPA 300.0 | T- | |
| Sulfate as SO4 | 25 mg/L | 0.50 | 1 | AG63895 | 07/26/16 21:31 | 07/26/16 21:31 | EPA 300.0 | | |
| G13220 / 072416B (16G2163-02) | | Sample Type | : Water | | Sample | d: 07/25/16 09:50 | | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | |
| Potassium | 18 mg/L | 1.0 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:37 | EPA 200.7 | | |
| Metals by EPA 200 Series Methods | | | | | | | | | |
| Aluminum | 0.70 mg/L | 0.050 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:37 | EPA 200.7 | | |
| Boron | 0.18 mg/L | 0.050 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:37 | EPA 200.7 | | |
| Calcium | 16 mg/L | 1.0 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:37 | EPA 200.7 | | |
| Iron | 1.8 mg/L | 0.10 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:37 | EPA 200.7 | | |
| Magnesium | 6.2 mg/L | 1.0 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:37 | EPA 200.7 | | |
| Manganese | 0.052 mg/L | 0.020 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:37 | EPA 200.7 | | |
| Sodium | 43 mg/L | 10 | 10 | AG64064 | 07/29/16 12:15 | 08/05/16 16:20 | EPA 200.7 | | |
| Zinc | 0.23 mg/L | 0.020 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:37 | EPA 200.7 | | |



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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] | | | | | | | | | |
|---|---------------|---|-----------------|----------|---------|----------------|-------------------|---------------|------|--|--|
| | Result | | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | |
| G13220 / 072416B (16G2163-02) | | | Sample Type: | Water | | Sample | d: 07/25/16 09:50 | | | | |
| Conventional Chemistry Parameters by APHA | /EPA Methods | | | | | - | | | | | |
| Ammonia as NH3 | 56 m | g/L | 0.50 | 1 | AH63376 | 08/08/16 08:11 | 08/09/16 17:00 | SM4500NH3C | | | |
| Bicarbonate | 300 m | g/L | 5.0 | 1 | AG63965 | 08/01/16 08:00 | 08/01/16 12:27 | SM2320B | | | |
| Biochemical Oxygen Demand | 270 m | g/L | 5.0 | 1 | AH63166 | 07/27/16 08:00 | 08/01/16 11:30 | SM5210B | | | |
| рН | 7.30 pl | H Units | 1.68 | 1 | AG63920 | 07/25/16 19:00 | 07/25/16 19:00 | SM4500-H+ B | T-1 | | |
| Specific Conductance (EC) | 750 ur | mhos/cm | 20 | 1 | AG63944 | 07/26/16 16:00 | 07/26/16 17:00 | SM2510B | | | |
| Total Dissolved Solids | 350 m | g/L | 10 | 1 | AG64010 | 07/28/16 12:00 | 08/02/16 17:02 | SM2540C | | | |
| Total Suspended Solids | 290 m | g/L | 1.0 | 1 | AG64044 | 07/29/16 08:38 | 08/01/16 15:02 | SM2540D | | | |
| Volatile Suspended Solids | 260 m | g/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | | | |
| Silica | 15 m | g/L | 5.0 | 5 | AH63132 | 08/01/16 09:30 | 08/01/16 12:00 | SM4500-SiO2 C | | | |
| Bicarbonate Alkalinity as CaCO3 | 240 m | g/L | 5.0 | 1 | AG63965 | 08/01/16 08:00 | 08/01/16 12:27 | SM2320B | | | |
| Carbonate Alkalinity as CaCO3 | ND m | g/L | 5.0 | 1 | AG63965 | 08/01/16 08:00 | 08/01/16 12:27 | SM2320B | | | |
| Hydroxide Alkalinity as CaCO3 | ND m | g/L | 5.0 | 1 | AG63965 | 08/01/16 08:00 | 08/01/16 12:27 | SM2320B | | | |
| Total Alkalinity as CaCO3 | 240 m | g/L | 5.0 | 1 | AG63965 | 08/01/16 08:00 | 08/01/16 12:27 | SM2320B | | | |
| Total Kjeldahl Nitrogen | 83 m | g/L | 1.0 | 1 | AH63327 | 08/09/16 07:06 | 08/09/16 10:37 | SM4500-Norg B | | | |
| Total Nitrogen | 83 m | g/L | 1.0 | 1 | AH63264 | 08/03/16 15:38 | 08/09/16 15:02 | SM4500-N | | | |
| Hardness, Total | 64 m | g/L | 5 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:37 | SM2340B | | | |
| Phosphorus, total | 8.9 m | g/L | 2.0 | 5 | AH63223 | 08/03/16 07:30 | 08/03/16 10:15 | SM4500-P E | | | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.34 N | A | | 1 | AG64064 | 07/29/16 12:15 | 08/08/16 06:07 | SAR | | | |
| Anions by EPA Method 300.0 | | | | | | | | | | | |
| Chloride | 42 m | g/L | 5.0 | 10 | AG63895 | 07/26/16 21:48 | 07/26/16 21:48 | EPA 300.0 | | | |
| Nitrate as N | ND m | g/L | 0.20 | 1 | AG63895 | 07/26/16 22:04 | 07/26/16 22:04 | EPA 300.0 | | | |
| Nitrate as NO3 | ND m | g/L | 1.0 | 1 | AG63895 | 07/26/16 22:04 | 07/26/16 22:04 | EPA 300.0 | | | |
| Nitrite as N | ND m | g/L | 0.20 | 1 | AG63985 | 07/27/16 15:04 | 07/27/16 15:04 | EPA 300.0 | T- | | |
| Nitrite as NO2 | ND m | g/L | 1.0 | 1 | AG63985 | 07/27/16 15:04 | 07/27/16 15:04 | EPA 300.0 | T- | | |
| Sulfate as SO4 | 31 m | g/L | 0.50 | 1 | AG63895 | 07/26/16 22:04 | 07/26/16 22:04 | EPA 300.0 | | | |
| G13223 / 072416C (16G2163-03) | | | Sample Type: | Water | | Sample | d: 07/25/16 08:40 | | | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | | | |
| Potassium | 18 m | g/L | 1.0 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:42 | EPA 200.7 | | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj Pro | ect Manager: Jol Project: WC oject Number: [no | hn Simor Q Monitor ne] | netti ring | | | Re 08/10/1 | eported: 6 09:21 |
|---|--------------|--|------------------------------|---------------|----------------|-------------------|---------------|---------------------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 072416C (16G2163-03) | | Sample Type | : Water | | Sample | d: 07/25/16 08:40 | | |
| Metals by EPA 200 Series Methods | | | | | - | | | |
| Aluminum | 0.69 mg/L | 0.050 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:42 | EPA 200.7 | |
| Boron | 0.20 mg/L | 0.050 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:42 | EPA 200.7 | |
| Calcium | 16 mg/L | 1.0 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:42 | EPA 200.7 | |
| Iron | 1.6 mg/L | 0.10 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:42 | EPA 200.7 | |
| Magnesium | 6.6 mg/L | 1.0 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:42 | EPA 200.7 | |
| Manganese | 0.056 mg/L | 0.020 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:42 | EPA 200.7 | |
| Sodium | 71 mg/L | 10 | 10 | AG64064 | 07/29/16 12:15 | 08/05/16 16:26 | EPA 200.7 | |
| Zinc | 0.21 mg/L | 0.020 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:42 | EPA 200.7 | |
| Conventional Chemistry Parameters by APH | FPA Methods | | | | | | | |
| Ammonia as NH3 | 54 mg/I | 0.50 | 1 | ан63376 | 08/08/16 08:11 | 08/09/16 17:00 | SM4500NH3C | |
| Bicarbonate | 290 mg/L | 5.0 | 1 | AG63965 | 08/01/16 08:00 | 08/01/16 12:27 | SM2320B | |
| Biochemical Oxygen Demand | 320 mg/L | 5.0 | 1 | AH63166 | 07/27/16 08:00 | 08/01/16 11:30 | SM2320B | |
| nH | 7.41 nH Unit | s 1.68 | 1 | AG63920 | 07/25/16 19:00 | 07/25/16 19:00 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 880 umbos/c | em 20 | 1 | AG63944 | 07/26/16 16:00 | 07/26/16 17:00 | SM2510B | |
| Total Dissolved Solids | 450 mg/L | -m 20 10 | 1 | AG64010 | 07/28/16 12:00 | 08/02/16 17:02 | SM2540C | |
| Total Suspended Solids | 320 mg/L | 1.0 | 1 | AG64044 | 07/29/16 08:38 | 08/01/16 15:02 | SM2540D | |
| Volatile Suspended Solids | 290 mg/L | 1.0 | 1 | AG63933 | 07/26/16 15:40 | 08/03/16 16:54 | EPA 160.4 | |
| Silica | 14 mg/L | 5.0 | 5 | AH63132 | 08/01/16 09:30 | 08/01/16 12:00 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 240 mg/L | 5.0 | 1 | AG63965 | 08/01/16 08:00 | 08/01/16 12:27 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63965 | 08/01/16 08:00 | 08/01/16 12:27 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG63965 | 08/01/16 08:00 | 08/01/16 12:27 | SM2320B | |
| Total Alkalinity as CaCO3 | 240 mg/L | 5.0 | 1 | AG63965 | 08/01/16 08:00 | 08/01/16 12:27 | SM2320B | |
| Total Kjeldahl Nitrogen | 60 mg/L | 1.0 | 1 | AH63327 | 08/09/16 07:06 | 08/09/16 13:14 | SM4500-Norg B | |
| Total Nitrogen | 60 mg/L | 1.0 | 1 | AH63264 | 08/03/16 15:38 | 08/09/16 15:02 | SM4500-N | |
| Hardness, Total | 68 mg/L | 5 | 1 | AG64064 | 07/29/16 12:15 | 08/03/16 18:42 | SM2340B | |
| Phosphorus, total | 8.0 mg/L | 2.0 | 5 | AH63223 | 08/03/16 07:30 | 08/03/16 10:15 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | ay Sanitary DistrictProject Manager:John Simonettiurel StreetProject:WQ MonitoringPark, CA 94025Project Number:[none] | | | | | | | | |
|---|---|-----------------|----------|---------|-------------------------|----------------|-----------|------|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | |
| G13223 / 072416C (16G2163-03) | | Sample Type: | Water | Sample | Sampled: 07/25/16 08:40 | | | | |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 3.87 NA | | 1 | AG64064 | 07/29/16 12:15 | 08/08/16 06:07 | SAR | | |
| Anions by EPA Method 300.0 | | | | | | | | | |
| Chloride | 86 mg/L | 10 | 20 | AG63895 | 07/26/16 22:21 | 07/26/16 22:21 | EPA 300.0 | | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63895 | 07/26/16 22:37 | 07/26/16 22:37 | EPA 300.0 | | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63895 | 07/26/16 22:37 | 07/26/16 22:37 | EPA 300.0 | | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63985 | 07/27/16 16:44 | 07/27/16 16:44 | EPA 300.0 | T-5 | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63985 | 07/27/16 16:44 | 07/27/16 16:44 | EPA 300.0 | T-5 | |
| Sulfate as SO4 | 31 mg/L | 0.50 | 1 | AG63895 | 07/26/16 22:37 | 07/26/16 22:37 | EPA 300.0 | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

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

| | Dlt | Reporting | T. T: 4 - | Spike | Source | 0/DEC | %REC | DDD | RPD | Flag |
|---------------------------------|--------------------|--------------|---------------------------------------|---------------------------------------|---------------------------------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64064 - Metals Digest | | | | | | | | | | |
| Blank (AG64064-BLK1) | | | | Prepared: (| 07/29/16 A | nalyzed: 08 | /03/16 | | | |
| Potassium | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG64064-BS1) | | | | Prepared: (|)7/29/16 A | nalyzed: 08 | /03/16 | | | |
| Potassium | 7.27 | 1.0 | mg/L | 8.00 | | 90.9 | 85-115 | | | |
| Duplicate (AG64064-DUP1) | Source: 16G2112-01 | | Prepared: 07/29/16 Analyzed: 08/03/16 | | | | | | | |
| Potassium | 2.52 | 1.0 | mg/L | | 2.51 | | | 0.223 | 20 | |
| Matrix Spike (AG64064-MS1) | Sou | rce: 16G2112 | 2-01 | Prepared: 07/29/16 Analyzed: 08/03/16 | | | | | | |
| Potassium | 10.5 | 1.0 | mg/L | 8.00 | 2.51 | 100 | 70-130 | | | |
| Matrix Spike (AG64064-MS2) | Sou | rce: 16G2173 | 3-06 | Prepared: (|)7/29/16 A | nalyzed: 08 | /03/16 | | | |
| Potassium | 24.6 | 1.0 | mg/L | 8.00 | 16.2 | 105 | 70-130 | | | |
| Matrix Spike Dup (AG64064-MSD1) | Sou | rce: 16G2112 | 2-01 | Prepared: (| Prepared: 07/29/16 Analyzed: 08/03/16 | | | | | |
| Potassium | 10.7 | 1.0 | mg/L | 8.00 | 2.51 | 103 | 70-130 | 2.03 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Metals by EPA 200 Series Methods - Quality Control

| Analyte(s) | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC | RPD | RPD Limit | Flag |
|-------------------------------|--------|--------------------|-------|----------------|---------------------------------------|-------------|--------|-------|--------------|------|
| / mary to (5) | Result | Linin | Onits | Level | Result | /orcle | Emito | Ki D | Linin | 8 |
| Batch AG64064 - Metals Digest | | | | | | | | | | |
| Blank (AG64064-BLK1) | | | | Prepared: 0 | 7/29/16 An | alyzed: 08/ | 03/16 | | | |
| 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 (AG64064-BS1) | | | | Prepared: 0 | 7/29/16 An | alyzed: 08/ | /03/16 | | | |
| Aluminum | 1.90 | 0.050 | mg/L | 2.00 | | 94.9 | 85-115 | | | |
| Boron | 0.388 | 0.050 | mg/L | 0.400 | | 96.9 | 85-115 | | | |
| Calcium | 7.71 | 1.0 | mg/L | 8.00 | | 96.4 | 85-115 | | | |
| Iron | 1.98 | 0.10 | mg/L | 2.00 | | 98.8 | 85-115 | | | |
| Magnesium | 7.75 | 1.0 | mg/L | 8.00 | | 96.9 | 85-115 | | | |
| Manganese | 0.191 | 0.020 | mg/L | 0.200 | | 95.7 | 85-115 | | | |
| Sodium | 7.74 | 1.0 | mg/L | 8.00 | | 96.8 | 85-115 | | | |
| Zinc | 0.194 | 0.020 | mg/L | 0.200 | | 96.8 | 85-115 | | | |
| Duplicate (AG64064-DUP1) | So | urce: 16G2112 | 2-01 | Prepared: 0 | Prepared: 07/29/16 Analyzed: 08/03/16 | | | | | |
| Aluminum | ND | 0.050 | mg/L | | ND | | | 2.88 | 20 | |
| Boron | 1.63 | 0.050 | mg/L | | 1.68 | | | 3.01 | 20 | |
| Calcium | 123 | 1.0 | mg/L | | 122 | | | 0.903 | 20 | |
| Iron | 0.665 | 0.10 | mg/L | | 0.679 | | | 2.06 | 20 | |
| Magnesium | 71.4 | 1.0 | mg/L | | 70.3 | | | 1.48 | 20 | |
| Manganese | 0.158 | 0.020 | mg/L | | 0.162 | | | 2.39 | 20 | |
| Sodium | 568 | 1.0 | mg/L | | 552 | | | 2.94 | 20 | |
| Zinc | ND | 0.020 | mg/L | | ND | | | | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Metals by EPA 200 Series Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC RPD | | | |
|---------------------------------|--------|-------------|-------------|---------------|--------------|-------------|----------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64064 - Metals Digest | | | | | | | | | | |
| Matrix Spike (AG64064-MS1) | Sou | rce: 16G211 | 2-01 | Prepared: (| 07/29/16 A | nalyzed: 08 | /03/16 | | | |
| Aluminum | 1.93 | 0.050 | mg/L | 2.00 | ND | 94.1 | 70-130 | | | |
| Boron | 2.00 | 0.050 | mg/L | 0.400 | 1.68 | 78.2 | 70-130 | | | |
| Calcium | 124 | 1.0 | mg/L | 8.00 | 122 | 25.0 | 70-130 | | | QM-4X |
| Iron | 2.58 | 0.10 | mg/L | 2.00 | 0.679 | 95.1 | 70-130 | | | |
| Magnesium | 77.3 | 1.0 | mg/L | 8.00 | 70.3 | 87.7 | 70-130 | | | |
| Manganese | 0.344 | 0.020 | mg/L | 0.200 | 0.162 | 90.9 | 70-130 | | | |
| Sodium | 556 | 1.0 | mg/L | 8.00 | 552 | 54.0 | 70-130 | | | QM-4X |
| Zinc | 0.193 | 0.020 | mg/L | 0.200 | ND | 96.5 | 70-130 | | | |
| Matrix Spills (ACCARCA MS2) | Sou | rea: 16C217 | 2 06 | Prepared: (| 07/20/16 A | nalvzad: 08 | /03/16 | | | |
| Matrix Spike (AG64064-MS2) | 2.00 | 0.050 | 3-00 | 2.00 | 0.0852 | 05 5 | 70 130 | | | |
| Poren | 0.411 | 0.050 | mg/L | 2.00 | 0.0655 ND | 95.5 | 70-130 | | | |
| Colour | 16.7 | 1.0 | mg/L | 0.400 8.00 | ND | 106 | 70-130 | | | |
| Lion | 2.00 | 0.10 | mg/L | 2.00 | 8.20 ND | 00.0 | 70-130 | | | |
| Iron | 2.00 | 0.10 | mg/L | 2.00 | ND 2.05 | 99.9 | 70-130 | | | |
| Magnesium | 0.108 | 1.0 | mg/L | 8.00 | 3.95 | 97.0 | 70-130 | | | |
| Manganese | 0.198 | 0.020 | mg/L | 0.200 | ND | 97.1 | 70-130 | | | |
| Sodium | 42.3 | 1.0 | mg/L | 8.00 | 34.5 | 96.9 | 70-130 | | | |
| Zinc | 0.305 | 0.020 | mg/L | 0.200 | 0.0985 | 103 | 70-130 | | | |
| Matrix Spike Dup (AG64064-MSD1) | Sou | rce: 16G211 | 2-01 | Prepared: (| 07/29/16 A | nalyzed: 08 | /03/16 | | | |
| Aluminum | 1.91 | 0.050 | mg/L | 2.00 | ND | 93.1 | 70-130 | 1.02 | 20 | |
| Boron | 1.99 | 0.050 | mg/L | 0.400 | 1.68 | 76.1 | 70-130 | 0.422 | 20 | |
| Calcium | 137 | 1.0 | mg/L | 8.00 | 122 | 179 | 70-130 | 9.41 | 20 | QM-4X |
| Iron | 2.58 | 0.10 | mg/L | 2.00 | 0.679 | 94.9 | 70-130 | 0.165 | 20 | |
| Magnesium | 79.2 | 1.0 | mg/L | 8.00 | 70.3 | 111 | 70-130 | 2.35 | 20 | |
| Manganese | 0.343 | 0.020 | mg/L | 0.200 | 0.162 | 90.7 | 70-130 | 0.114 | 20 | |
| Sodium | 573 | 1.0 | mg/L | 8.00 | 552 | 273 | 70-130 | 3.10 | 20 | QM-4X |
| Zinc | 0.191 | 0.020 | mg/L | 0.200 | ND | 95.7 | 70-130 | 0.780 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

| Analyte(s) | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|-------------------------------------|--------------------|--------------------|----------|----------------|------------------|-------------|----------------|-------|--------------|------|
| Batch AG63920 - General Prenaration | reoun | Dinit | emis | Lever | Ittobult | , viale | Linits | iu b | 2 | 6 |
| | _ | | | | | | | | | |
| Duplicate (AG63920-DUP1) | Sou | rce: 16G211 | 1-01 | Prepared & | Analyzed: | 07/25/16 | | | | |
| pH | 7.47 | 1.68 | pH Units | | 7.40 | | | 0.941 | 20 | |
| Batch AG63933 - General Preparation | | | | | | | | | | |
| Blank (AG63933-BLK1) | | | | Prepared: 0 | 07/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG63933-DUP1) | Source: 16G1817-01 | | | Prepared: 0 | 07/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | 117 | 1.0 | mg/L | | 155 | | | 28.1 | 30 | |
| Duplicate (AG63933-DUP2) | Sou | rce: 16G181 | 7-03 | Prepared: 0 | 07/26/16 A | nalyzed: 08 | /03/16 | | | |
| Volatile Suspended Solids | 331 | 1.0 | mg/L | | 251 | | | 27.4 | 30 | |
| Batch AG63944 - General Preparation | | | | | | | | | | |
| Duplicate (AG63944-DUP1) | Sou | rce: 16G221 | 8-02 | Prepared & | Analyzed: | 07/26/16 | | | | |
| Specific Conductance (EC) | 212 | 20 | umhos/cm | | 209 | | | 1.43 | 5 | |
| Batch AG63965 - General Preparation | | | | | | | | | | |
| Duplicate (AG63965-DUP1) | Sou | rce: 16G216 | 3-01 | Prepared & | Analyzed: | 08/01/16 | | | | |
| Bicarbonate | 274 | 5.0 | mg/L | | 274 | | | 0.00 | 20 | |
| Total Alkalinity as CaCO3 | 225 | 5.0 | mg/L | | 225 | | | 0.00 | 20 | |
| Carbonate Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Hydroxide Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Bicarbonate Alkalinity as CaCO3 | 225 | 5.0 | mg/L | | 225 | | | 0.00 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|-------------|-------|---------------------------------------|------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64010 - General Preparation | | | | | | | | | | |
| Blank (AG64010-BLK1) | | | | Prepared: (| 07/28/16 A | nalyzed: 08 | /02/16 | | | |
| Total Dissolved Solids | ND | 10 | mg/L | | | | | | | |
| Duplicate (AG64010-DUP1) | Source: 16G2536-01 | | | Prepared: (|)7/28/16 A | nalyzed: 08 | /02/16 | | | |
| Total Dissolved Solids | 348 | 10 | mg/L | | 315 | | | 10.1 | 15 | |
| Duplicate (AG64010-DUP2) | Sou | rce: 16G226 | 7-01 | Prepared: 07/28/16 Analyzed: 08/02/16 | | | | | | |
| Total Dissolved Solids | 147 | 10 | mg/L | | 170 | | | 14.5 | 15 | |
| Batch AG64044 - General Preparation | | | | | | | | | | |
| Blank (AG64044-BLK1) | | | | Prepared: (| 07/29/16 A | nalyzed: 08 | /01/16 | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AG64044-DUP1) | Sou | rce: 16G216 | 3-01 | Prepared: (| 07/29/16 A | nalyzed: 08 | /01/16 | | | |
| Total Suspended Solids | 217 | 1.0 | mg/L | | 185 | | | 16.2 | 30 | |
| Duplicate (AG64044-DUP2) | Sou | rce: 16G216 | 3-03 | Prepared: (|)7/29/16 A | nalyzed: 08 | /01/16 | | | |
| Total Suspended Solids | 327 | 1.0 | mg/L | | 319 | | | 2.65 | 30 | |
| Batch AG64064 - Metals Digest | | | | | | | | | | |
| Blank (AG64064-BLK1) | | | | Prepared: (| 07/29/16 A | nalyzed: 08 | /03/16 | | | |
| Hardness, Total | ND | 5 | mg/L | | | | | | | |
| Duplicate (AG64064-DUP1) | Sou | rce: 16G211 | 2-01 | Prepared: (|)7/29/16 A | nalyzed: 08 | /03/16 | | | |
| Hardness, Total | 602 | 5 | mg/L | | 595 | | | 1.18 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|--------------|-------------------------------|-------------------------------|-------------|-------------|---------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63132 - General Preparation | | | | | | | | | | |
| Blank (AH63132-BLK1) | | | | Prepared & | k Analyzed: | : 08/01/16 | | | | |
| Silica | ND | 1.0 | mg/L | | | | | | | |
| LCS (AH63132-BS1) | | | | Prepared & | k Analyzed: | : 08/01/16 | | | | |
| Silica | 9.57 | 1.0 | mg/L | 10.0 | | 95.7 | 85-115 | | | |
| LCS Dup (AH63132-BSD1) | | | Prepared & Analyzed: 08/01/16 | | | | | | | |
| Silica | 9.61 | 1.0 | mg/L | 10.0 | | 96.1 | 85-115 | 0.419 | 20 | |
| Duplicate (AH63132-DUP1) | Source: 16G2160-01 | | | Prepared & | k Analyzed | : 08/01/16 | | | | |
| Silica | 14.7 | 5.0 | mg/L | | 14.9 | | | 1.36 | 20 | |
| Matrix Spike (AH63132-MS1) | Source: 16G2160-01 | | | Prepared & | k Analyzed: | : 08/01/16 | | | | |
| Silica | 39.2 | 5.0 | mg/L | 25.0 | 14.9 | 97.2 | 80-120 | | | |
| Matrix Spike Dup (AH63132-MSD1) | Sou | ırce: 16G216 | 0-01 | Prepared & Analyzed: 08/01/16 | | | | | | |
| Silica | 39.2 | 5.0 | mg/L | 25.0 | 14.9 | 97.2 | 80-120 | 0.00 | 20 | |
| Batch AH63166 - General Preparation | | | | | | | | | | |
| Blank (AH63166-BLK1) | | | | Prepared: (| 07/27/16 A | nalyzed: 08 | 3/01/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | 1 | | 2 | | | | |
| Blank (AH63166-BLK2) | | | | Prepared: | 07/27/16 A | nalyzed: 08 | 3/01/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | ÷ | | - | | | | |
| LCS (AH63166-BS1) | | | | Prepared: | 07/27/16 A | nalyzed: 08 | 3/01/16 | | | |
| Biochemical Oxygen Demand | 218 | 5.0 | mg/L | 200 | | 109 | 84-115 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|--------------|------------|-------------------------------|-------------------------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63166 - General Preparation | | | | | | | | | | |
| Duplicate (AH63166-DUP1) | Sou | Irce: 16G228 | 1-02 | Prepared: (| 07/27/16 A | nalyzed: 08 | /01/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | ND | | | 5.56 | 30 | |
| Batch AH63223 - General Prep | | | | | | | | | | |
| Blank (AH63223-BLK1) | | | | Prepared & | Analyzed: | 08/03/16 | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | | | | | | |
| LCS (AH63223-BS1) | | | | Prepared & Analyzed: 08/03/16 | | | | | | |
| Phosphorus, total | 0.198 | 0.040 | mg/L | 0.200 | | 99.0 | 85-115 | | | |
| Duplicate (AH63223-DUP1) | Source: 16G2267-01 | | Prepared & | Analyzed: | 08/03/16 | | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | ND | | | 3.78 | 20 | |
| Matrix Spike (AH63223-MS1) | Sou | Irce: 16G226 | 7-01 | Prepared & Analyzed: 08/03/16 | | | | | | |
| Phosphorus, total | 0.210 | 0.040 | mg/L | 0.200 | ND | 87.7 | 70-130 | | | |
| Matrix Spike Dup (AH63223-MSD1) | Sou | ırce: 16G226 | 7-01 | Prepared & | Prepared & Analyzed: 08/03/16 | | | | | |
| Phosphorus, total | 0.213 | 0.040 | mg/L | 0.200 | ND | 89.1 | 70-130 | 1.26 | 20 | |
| Batch AH63327 - General Prep | | | | | | | | | | |
| LCS (AH63327-BS1) | | | | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Total Kjeldahl Nitrogen | 3.04 | 1.0 | mg/L | 2.98 | | 102 | 80-120 | | | |
| LCS Dup (AH63327-BSD1) | | | | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Total Kjeldahl Nitrogen | 3.04 | 1.0 | mg/L | 2.98 | | 102 | 80-120 | 0.00 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|------------|---------------------------------------|---------------------------------------|------------|-------------|--------|------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63327 - General Prep | | | | | | | | | | |
| Matrix Spike (AH63327-MS1) | Sour | ce: 16G226 | 0-01 | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Total Kjeldahl Nitrogen | 64.4 | 1.0 | mg/L | 22.6 | 40.6 | 105 | 75-125 | | | |
| Matrix Spike Dup (AH63327-MSD1) | Source: 16G2260-01 | | | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Total Kjeldahl Nitrogen | 64.4 | 1.0 | mg/L | 22.6 | 40.6 | 105 | 75-125 | 0.00 | 20 | |
| Batch AH63376 - General Preparation | | | | | | | | | | |
| Blank (AH63376-BLK1) | | | | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Ammonia as NH3 | ND | 0.50 | mg/L | | | | | | | |
| LCS (AH63376-BS1) | | | | Prepared: 08/08/16 Analyzed: 08/09/16 | | | | | | |
| Ammonia as NH3 | 5.75 | 0.50 | mg/L | 6.10 | | 94.2 | 90-110 | | | |
| LCS Dup (AH63376-BSD1) | | | | Prepared: 08/08/16 Analyzed: 08/09/16 | | | | | | |
| Ammonia as NH3 | 5.96 | 0.50 | mg/L | 6.10 | | 97.7 | 90-110 | 3.64 | 10 | |
| Matrix Spike (AH63376-MS1) | Source: 16G2350-01 | | Prepared: 08/08/16 Analyzed: 08/09/16 | | | | | | | |
| Ammonia as NH3 | 9.58 | 0.50 | mg/L | 6.10 | 4.47 | 83.8 | 85-115 | | | QM-05 |
| Matrix Spike Dup (AH63376-MSD1) | Sour | ce: 16G235 | 0-01 | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Ammonia as NH3 | 9.69 | 0.50 | mg/L | 6.10 | 4.47 | 85.5 | 85-115 | 1.11 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Anions by EPA Method 300.0 - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|--------------|-------|------------|-----------|----------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63895 - General Preparation | | | | | | | | | | |
| Blank (AG63895-BLK1) | | | | Prepared & | Analyzed: | 07/26/16 | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | | | | | | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | | | | | | |
| Chloride | ND | 0.50 | mg/L | | | | | | | |
| LCS (AG63895-BS1) | | | | Prepared & | Analyzed: | 07/26/16 | | | | |
| Nitrate as NO3 | 26 | 1.0 | mg/L | 24.7 | | 106 | 90-110 | | | |
| Sulfate as SO4 | 23.2 | 0.50 | mg/L | 22.2 | | 104 | 90-110 | | | |
| Chloride | 11.7 | 0.50 | mg/L | 11.1 | | 105 | 90-110 | | | |
| Nitrate as N | 5.89 | 0.20 | mg/L | 5.56 | | 106 | 90-110 | | | |
| Duplicate (AG63895-DUP1) | Sou | urce: 16G222 | 9-01 | Prepared & | Analyzed: | 07/27/16 | | | | |
| Sulfate as SO4 | 6.74 | 0.50 | mg/L | | 6.72 | | | 0.372 | 20 | |
| Chloride | 12.2 | 0.50 | mg/L | | 12.2 | | | 0.139 | 20 | |
| Nitrate as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Matrix Spike (AG63895-MS1) | Sou | urce: 16G222 | 9-01 | Prepared & | Analyzed: | 07/27/16 | | | | |
| Nitrate as NO3 | 26 | 5.0 | mg/L | 24.7 | ND | 105 | 80-120 | | | |
| Sulfate as SO4 | 29.5 | 2.5 | mg/L | 22.2 | 6.72 | 103 | 80-120 | | | |
| Chloride | 24.0 | 2.5 | mg/L | 11.1 | 12.2 | 106 | 80-120 | | | |
| Nitrate as N | 5.82 | 1.0 | mg/L | 5.56 | ND | 105 | 80-120 | | | |
| Matrix Spike (AG63895-MS2) | Sou | urce: 16G224 | 4-01 | Prepared & | Analyzed: | 07/27/16 | | | | |
| Sulfate as SO4 | 48.6 | 2.5 | mg/L | 22.2 | 25.4 | 104 | 80-120 | | | |
| Nitrate as NO3 | 43 | 5.0 | mg/L | 24.7 | 18 | 105 | 80-120 | | | |
| Nitrate as N | 9.81 | 1.0 | mg/L | 5.56 | 3.96 | 105 | 80-120 | | | |
| Chloride | 49.9 | 2.5 | mg/L | 11.1 | 39.2 | 96.6 | 80-120 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Anions by EPA Method 300.0 - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|------------|-------|------------------------|-----------|------------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63895 - General Preparation | | | | | | | | | | |
| Matrix Spike Dup (AG63895-MSD1) | Sour | ce: 16G222 | 9-01 | Prepared & | Analyzed: | 07/27/16 | | | | |
| Nitrate as NO3 | 26 | 5.0 | mg/L | 24.7 | ND | 104 | 80-120 | 0.909 | 20 | |
| Chloride | 23.9 | 2.5 | mg/L | 11.1 | 12.2 | 105 | 80-120 | 0.556 | 20 | |
| Sulfate as SO4 | 29.5 | 2.5 | mg/L | 22.2 | 6.72 | 102 | 80-120 | 0.151 | 20 | |
| Nitrate as N | 5.77 | 1.0 | mg/L | 5.56 | ND | 104 | 80-120 | 0.909 | 20 | |
| Batch AG63985 - General Preparation | | | | | | | | | | |
| Blank (AG63985-BLK1) | | | | Prepared & | Analyzed: | : 07/27/16 | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG63985-BS1) | | | | Prepared & | Analyzed: | 07/27/16 | | | | |
| Nitrite as N | 5.43 | 0.20 | mg/L | 5.56 | | 97.8 | 90-110 | | | |
| Nitrite as NO2 | 17.9 | 1.0 | mg/L | 18.2 | | 98.0 | 90-110 | | | |
| Duplicate (AG63985-DUP1) | Sour | ce: 16G222 | 9-01 | Prepared & | Analyzed: | 07/27/16 | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Nitrite as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Matrix Spike (AG63985-MS1) | Sour | ce: 16G222 | 9-01 | Prepared & | Analyzed: | 07/27/16 | | | | |
| Nitrite as N | 4.26 | 2.0 | mg/L | 5.56 | ND | 76.6 | 80-120 | | | QM-05 |
| Nitrite as NO2 | 14.0 | 10 | mg/L | 18.2 | ND | 76.7 | 80-120 | | | QM-05 |
| Matrix Spike (AG63985-MS2) | Sour | ce: 16G237 | 5-01 | Prepared & Analyzed: (| | : 08/01/16 | | | | |
| Nitrite as NO2 | 18.3 | 5.0 | mg/L | 18.2 | ND | 101 | 80-120 | | | |
| Nitrite as N | 5.58 | 1.0 | mg/L | 5.56 | ND | 100 | 80-120 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Anions by EPA Method 300.0 - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|-------|------------|-----------|----------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63985 - General Preparation | | | | | | | | | | |
| Matrix Spike Dup (AG63985-MSD1) | Sou | rce: 16G222 | 9-01 | Prepared & | Analyzed: | 07/27/16 | | | | |
| Nitrite as NO2 | 13.9 | 10 | mg/L | 18.2 | ND | 76.1 | 80-120 | 0.786 | 20 | QM-05 |
| Nitrite as N | 4.22 | 2.0 | mg/L | 5.56 | ND | 76.0 | 80-120 | 0.786 | 20 | QM-05 |



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e-mail: clientservices@alpha-labs.com

| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/10/16 09:21 |

Notes and Definitions

- 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-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

| Alpha Analytical Laboratories Inc. | | C 208 Mas 707-40 clients 8 | orpo ion S 68-04 ervia lav A | orate Street 401 F Ces@ | Labo , Ukla) 707)alph | orato: h, C/ -468 a-lab | 7 y 4 9540 -5267 s.con | 32 1' | | • | 9090 | Unla g | Ce. In Pe 316-6 | ntral ark W 86-5 | Valle /y., #* 190 | ey La 113, E F) 91(| <i>borat</i> Elk Gr 6-686 | ory ove, (-5192 | CA 95 | 624 | C | Ch | ai | n c | Wa of (| ork Cu | c Orde stody | er ' Re | eco | ord | 5 | 3 | 9 | |
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| Company/Name: | | Project I | D: | _ | | _ | _ | | | | | | | | Sign | nature | belo | v auti | orize | s wo | k und | ler ter | ms s | tated | on re | verse | side. | | | | | 1 | 3 | 5 |
| West Bay Sanitary District | | | | W | Q | Mo | onit | ori | ng | | | | | | | | Ar | alvs | is R | eau | iest | | - | | | Sa | mnle Note | s | т | ΔΤ | | 1 | - | • |
| Mailing Address: 500 Laurel Street Mento Park, CA 94025 | | Project i | No: | | | | | | | | | | | | | 1 | | | | | | | | 1 | Γ | | | | 2 | 4 hr | | | | |
| Project Contact & Email (Hardcopy or PDF | to): | | ц – | | | | | | | | | | | | <u> </u> | | | S | | Ę | | | Í | | | | | | 4 | 8 hr | Rus. | | | |
| John Simonetti isimonetti@westbaysanitary org | | PUŦ | PO# | | | | | | | | ∑ oʻ | <u></u> | | ы К | υ | ligi | | | | | | | | | | | I For | 1 | | | | | | |
| Phone/Fax: | | Site Contact: | | | | | ┫ | | | 1 <u>1</u> 1 7 | Ϊ | | Z | nat | 1 Å | | | | | | | | | Α _Ρ ι | ueb proval | ulred | | | | | | | | |
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ELAP Certificates 1551, 2728, and 2922

11 August 2016

West Bay Sanitary District Attn: John Simonetti 500 Laurel Street Menlo Park, CA 94025 RE: WQ Monitoring Work Order: 16G2288

Enclosed are the results of analyses for samples received by the laboratory on 07/26/16 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Popli

Jeanette L. Poplin For Robbie C. Phillips Project Manager



e-mail: clientservices @alpha-labs.com

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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/11/16 10:49 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| G13104 / 072516A | 16G2288-01 | Water | 07/26/16 08:55 | 07/26/16 21:00 |
| G13220 / 072516B | 16G2288-02 | Water | 07/26/16 09:20 | 07/26/16 21:00 |
| G13223 / 072516C | 16G2288-03 | Water | 07/26/16 08:20 | 07/26/16 21:00 |



e-mail: clientservices@alpha-labs.com

| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Pro | oject Manager: Joł Project: WG roject Number: [no | Reported: 08/11/16 10:49 | | | | | |
|---|---------------|---|-----------------------------|---------|----------------|-------------------|---------------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13104 / 072516A (16G2288-01) | | Sample Type: | : Water | | Sample | d: 07/26/16 08:55 | | |
| Metals (Drinking Water) by EPA 200 Series M | lethods | | | | | | | |
| Potassium | 16 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:38 | EPA 200.7 | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 0.55 mg/L | 0.050 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:38 | EPA 200.7 | |
| Boron | 0.27 mg/L | 0.050 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:38 | EPA 200.7 | |
| Calcium | 23 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:38 | EPA 200.7 | |
| Iron | 1.3 mg/L | 0.10 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:38 | EPA 200.7 | |
| Magnesium | 5.1 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:38 | EPA 200.7 | |
| Manganese | 0.064 mg/L | 0.020 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:38 | EPA 200.7 | |
| Sodium | 79 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:38 | EPA 200.7 | |
| Zinc | 0.19 mg/L | 0.020 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:38 | EPA 200.7 | |
| Conventional Chemistry Parameters by APH | A/EPA Methods | | | | | | | |
| Ammonia as NH3 | 45 mg/L | 0.50 | 1 | AH63470 | 08/10/16 08:12 | 08/10/16 16:00 | SM4500NH3C | |
| Bicarbonate | 260 mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Biochemical Oxygen Demand | 200 mg/L | 5.0 | 1 | AH63166 | 07/27/16 14:00 | 08/01/16 11:30 | SM5210B | |
| рН | 7.41 pH Uni | its 1.68 | 1 | AG64019 | 07/27/16 18:40 | 07/27/16 18:40 | SM4500-H+ B | T-1 |
| Specific Conductance (EC) | 930 umhos/ | /cm 20 | 1 | AG64013 | 07/27/16 16:00 | 07/27/16 17:00 | SM2510B | |
| Total Dissolved Solids | 410 mg/L | 10 | 1 | AG64011 | 08/01/16 10:00 | 08/04/16 09:51 | SM2540C | |
| Total Suspended Solids | 190 mg/L | 1.0 | 1 | AH63129 | 08/01/16 08:57 | 08/04/16 17:29 | SM2540D | |
| Volatile Suspended Solids | 170 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 | AH63132 | 08/01/16 09:30 | 08/01/16 12:00 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 210 mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Total Alkalinity as CaCO3 | 210 mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Total Kjeldahl Nitrogen | 50 mg/L | 1.0 | 1 | AH63327 | 08/09/16 07:06 | 08/09/16 13:14 | SM4500-Norg B | |
| Total Nitrogen | 50 mg/L | 1.0 | 1 | AH63264 | 08/03/16 15:38 | 08/09/16 15:11 | SM4500-N | |
| Hardness, Total | 78 mg/L | 5 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:38 | SM2340B | |
| Phosphorus, total | 5.7 mg/L | 2.0 | 5 | AH63270 | 08/04/16 08:20 | 08/04/16 12:33 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj | Project Manager: John Simonetti Project: WQ Monitoring Project Number: [none] | | | | | | | | | | | |
|---|---------------|---|----------|---------|----------------|-------------------|-----------|------|--|--|--|--|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | | | | |
| G13104 / 072516A (16G2288-01) | | Sample Type | : Water | | Sample | d: 07/26/16 08:55 | | | | | | | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | - | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 4.35 NA | | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 06:37 | SAR | | | | | | |
| Anions by EPA Method 300.0 | | | | | | | | | | | | | |
| Chloride | 110 mg/L | 10 | 20 | AG63986 | 07/27/16 20:52 | 07/27/16 20:52 | EPA 300.0 | | | | | | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63986 | 07/27/16 20:52 | 07/27/16 20:52 | EPA 300.0 | | | | | | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63986 | 07/27/16 20:52 | 07/27/16 20:52 | EPA 300.0 | | | | | | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63986 | 07/27/16 20:52 | 07/27/16 20:52 | EPA 300.0 | | | | | | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63986 | 07/27/16 20:52 | 07/27/16 20:52 | EPA 300.0 | | | | | | |
| Sulfate as SO4 | 29 mg/L | 0.50 | 1 | AG63986 | 07/27/16 20:52 | 07/27/16 20:52 | EPA 300.0 | | | | | | |
| G13220 / 072516B (16G2288-02) | | Sample Type | : Water | | Sample | d: 07/26/16 09:20 | | | | | | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | | | | | |
| Potassium | 19 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:43 | EPA 200.7 | | | | | | |
| Metals by EPA 200 Series Methods | | | | | | | | | | | | | |
| Aluminum | 0.64 mg/L | 0.050 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:43 | EPA 200.7 | | | | | | |
| Boron | 0.15 mg/L | 0.050 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:43 | EPA 200.7 | | | | | | |
| Calcium | 19 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:43 | EPA 200.7 | | | | | | |
| Iron | 1.6 mg/L | 0.10 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:43 | EPA 200.7 | | | | | | |
| Magnesium | 13 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:43 | EPA 200.7 | | | | | | |
| Manganese | 0.047 mg/L | 0.020 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:43 | EPA 200.7 | | | | | | |
| Sodium | 47 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:43 | EPA 200.7 | | | | | | |
| Zinc | 0.19 mg/L | 0.020 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:43 | EPA 200.7 | | | | | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | | Projec Projec | Reported: 08/11/16 10:49 | | | | | | |
|---|---------------|------------------|-----------------------------|----------|---------|----------------|-------------------|---------------|------|
| | Result | | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13220 / 072516B (16G2288-02) | | | Sample Type: | Water | | Sample | d: 07/26/16 09:20 | | |
| Conventional Chemistry Parameters by APHA | /EPA Methods | | | | | | | | |
| Ammonia as NH3 | 47 n | ng/L | 0.50 | 1 | AH63470 | 08/10/16 08:12 | 08/10/16 16:00 | SM4500NH3C | |
| Bicarbonate | 290 n | ng/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Biochemical Oxygen Demand | 330 n | ng/L | 5.0 | 1 | AH63166 | 07/27/16 14:00 | 08/01/16 11:30 | SM5210B | |
| рН | 7.43 p | H Units | 1.68 | 1 | AG64019 | 07/27/16 18:40 | 07/27/16 18:40 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 920 u | mhos/cm | 20 | 1 | AG64013 | 07/27/16 16:00 | 07/27/16 17:00 | SM2510B | |
| Total Dissolved Solids | 340 n | ng/L | 10 | 1 | AG64011 | 08/01/16 10:00 | 08/04/16 09:51 | SM2540C | |
| Total Suspended Solids | 770 n | ng/L | 1.0 | 1 | AH63129 | 08/01/16 08:57 | 08/04/16 17:29 | SM2540D | |
| Volatile Suspended Solids | 670 n | ng/L | 1.0 | 1 | AH63169 | 08/01/16 15:18 | 08/05/16 17:16 | EPA 160.4 | |
| Silica | 15 n | ng/L | 5.0 | 5 | AH63132 | 08/01/16 09:30 | 08/01/16 12:00 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 240 n | ng/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND m | ng/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND m | ng/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Total Alkalinity as CaCO3 | 240 n | ng/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Total Kjeldahl Nitrogen | 39 n | ng/L | 1.0 | 1 | AH63327 | 08/09/16 07:06 | 08/09/16 13:14 | SM4500-Norg B | |
| Total Nitrogen | 39 n | ng/L | 1.0 | 1 | AH63264 | 08/03/16 15:38 | 08/09/16 15:11 | SM4500-N | |
| Hardness, Total | 102 n | ng/L | 5 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:43 | SM2340B | |
| Phosphorus, total | 6.0 n | ng/L | 2.0 | 5 | AH63270 | 08/04/16 08:20 | 08/04/16 12:33 | SM4500-P E | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.19 N | IA | | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 06:37 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | | |
| Chloride | 60 n | ng/L | 10 | 20 | AG63986 | 07/27/16 21:08 | 07/27/16 21:08 | EPA 300.0 | |
| Nitrate as N | ND m | ng/L | 0.20 | 1 | AG63986 | 07/27/16 21:24 | 07/27/16 21:24 | EPA 300.0 | |
| Nitrate as NO3 | ND m | ng/L | 1.0 | 1 | AG63986 | 07/27/16 21:24 | 07/27/16 21:24 | EPA 300.0 | |
| Nitrite as N | ND m | ng/L | 0.20 | 1 | AG63986 | 07/27/16 21:24 | 07/27/16 21:24 | EPA 300.0 | |
| Nitrite as NO2 | ND m | ng/L | 1.0 | 1 | AG63986 | 07/27/16 21:24 | 07/27/16 21:24 | EPA 300.0 | |
| Sulfate as SO4 | 48 n | ng/L | 10 | 20 | AG63986 | 07/27/16 21:08 | 07/27/16 21:08 | EPA 300.0 | |
| G13223 / 072516C (16G2288-03) | | | Sample Type: | Water | | Sample | d: 07/26/16 08:20 | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | |
| Potassium | 17 n | ng/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:47 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Project Projec | Re 08/11/1 | Reported: 08/11/16 10:49 | | | | | |
|---|-------------------|--------------------------|-----------------------------|---------|----------------|-------------------|---------------|------|
| Resu | lt | Reporting Limit Dilution | | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 072516C (16G2288-03) | | Sample Type: | Water | | Sample | d: 07/26/16 08:20 | | |
| Metals by EPA 200 Series Methods | | | | | - | | | |
| Aluminum 0.46 | mg/L | 0.050 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:47 | EPA 200.7 | |
| Boron 0.21 | mg/L | 0.050 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:47 | EPA 200.7 | |
| Calcium 17 | mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:47 | EPA 200.7 | |
| Iron 1.1 | mg/L | 0.10 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:47 | EPA 200.7 | |
| Magnesium 8.4 | mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:47 | EPA 200.7 | |
| Manganese 0.045 | mg/L | 0.020 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:47 | EPA 200.7 | |
| Sodium 58 | mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:47 | EPA 200.7 | |
| Zinc 0.18 | mg/L | 0.020 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:47 | EPA 200.7 | |
| Conventional Chemistry Parameters by APHA/FPA Method | | | | | | | | |
| Ammonio os NH3 | , ma/I | 0.50 | 1 | AH63470 | 08/10/16 08:12 | 08/10/16 16:00 | SM4500NH3C | |
| Ricarbonate 260 | mg/L mg/I | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Biochemical Oxygen Demand 240 | mg/L | 5.0 | 1 | AH63166 | 07/27/16 14:00 | 08/01/16 11:30 | SM5210B | |
| nH 7 38 | nH Unite | 1.68 | 1 | AG64019 | 07/27/16 18:40 | 07/27/16 18:40 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) 840 | umbos/cm | 20 | 1 | AG64013 | 07/27/16 16:00 | 07/27/16 17:00 | SM2510B | 1-1- |
| Total Dissolved Solids 350 | ma/I | 20 | 1 | AG64011 | 08/01/16 10:00 | 08/04/16 09:51 | SM2540C | |
| Total Suspended Solids | mg/L | 10 | 1 | AG64044 | 07/29/16 08:38 | 08/01/16 15:02 | SM2540D | |
| Valatile Suspended Solids | 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 | AH63132 | 08/01/16 09:30 | 08/01/16 12:00 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 220 | mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | mg/L mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Total Alkalinity as CaCO3 | mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Total Kieldahl Nitrogen 46 | mg/L | 1.0 | 1 | AH63327 | 08/09/16 07:06 | 08/09/16 13:14 | SM4500-Norg B | |
| Total Nitrogen 46 | mg/L | 1.0 | 1 | AH63264 | 08/03/16 15:38 | 08/09/16 15:11 | SM4500-N | |
| Hardness Total 77 | mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/08/16 17:47 | SM2340B | |
| Phosphorus, total 4.7 | mg/L | 2.0 | 5 | AH63270 | 08/04/16 08:20 | 08/04/16 12:33 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proje Proj | F 08/11 | Reported: 08/11/16 10:49 | | | | | | |
|---|---------------|-----------------|-----------------------------|---------|----------------|---------------------|-----------|------|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | |
| G13223 / 072516C (16G2288-03) | | Sample Type: | Water | | Sample | led: 07/26/16 08:20 | | | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 3.07 NA | | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 06:37 | SAR | | |
| Anions by EPA Method 300.0 | | | | | | | | | |
| Chloride | 69 mg/L | 10 | 20 | AG63986 | 07/27/16 21:56 | 07/27/16 21:56 | EPA 300.0 | | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG63986 | 07/27/16 21:56 | 07/27/16 21:56 | EPA 300.0 | | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG63986 | 07/27/16 21:56 | 07/27/16 21:56 | EPA 300.0 | | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG63986 | 07/27/16 21:56 | 07/27/16 21:56 | EPA 300.0 | | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG63986 | 07/27/16 21:56 | 07/27/16 21:56 | EPA 300.0 | | |
| Sulfate as SO4 | 34 mg/L | 0.50 | 1 | AG63986 | 07/27/16 21:56 | 07/27/16 21:56 | EPA 300.0 | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/11/16 10:49 |

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

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|---|-------------|-------------|---------------------------------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63297 - Metals Digest | | | | | | | | | | |
| Blank (AH63297-BLK1) | P | | | Prepared: (| 08/04/16 A | nalyzed: 08 | | | | |
| Potassium | ND | 1.0 | mg/L | | | | | | | |
| LCS (AH63297-BS1) | Р | | | Prepared: (| 08/04/16 A | nalyzed: 08 | | | | |
| Potassium | 7.57 | 1.0 | mg/L | 8.00 | | 94.6 | 85-115 | | | |
| Duplicate (AH63297-DUP1) | Source: 16G2414-01 Pre | | Prepared: (| Prepared: 08/04/16 Analyzed: 08/09/16 | | | | | | |
| Potassium | 1.18 | 1.0 | mg/L | | 1.20 | | | 1.36 | 20 | |
| Matrix Spike (AH63297-MS1) | Source: 16G2414-01 Pr 1.18 1.0 mg/L Source: 16G2414-01 Pr 8.53 1.0 mg/L | | Prepared: (| 08/04/16 A | nalyzed: 08 | /08/16 | | | | |
| Potassium | 8.53 | 1.0 | mg/L | 8.00 | 1.20 | 91.7 | 70-130 | | | |
| Matrix Spike (AH63297-MS2) | Sou | ce: 16H0407 | '-01 | Prepared: (| 08/04/16 A | nalyzed: 08 | /08/16 | | | |
| Potassium | 16.7 | 1.0 | mg/L | 8.00 | 10.1 | 83.4 | 70-130 | | | |
| Matrix Spike Dup (AH63297-MSD1) | Sou | ce: 16G2414 | I-01 | Prepared: (| 08/04/16 A | nalyzed: 08 | /08/16 | | | |
| Potassium | 8.60 | 1.0 | mg/L | 8.00 | 1.20 | 92.6 | 70-130 | 0.829 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/11/16 10:49 |

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 AH63297 - Metals Digest | | | | | | | | | | |
| Blank (AH63297-BLK1) | | | | Prepared: 0 | 08/04/16 Ar | nalvzed: 08/ | /08/16 | | | |
| Aluminum | ND | 0.050 | mg/L | · I · · · · · · | | | | | | |
| 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 (AH63297-BS1) | | | | Prepared: 0 | 08/04/16 Ar | halyzed: 08/ | /08/16 | | | |
| Aluminum | 1.91 | 0.050 | mg/L | 2.00 | | 95.5 | 85-115 | | | |
| Boron | 0.373 | 0.050 | mg/L | 0.400 | | 93.2 | 85-115 | | | |
| Calcium | 7.45 | 1.0 | mg/L | 8.00 | | 93.1 | 85-115 | | | |
| Iron | 1.94 | 0.10 | mg/L | 2.00 | | 96.8 | 85-115 | | | |
| Magnesium | 7.43 | 1.0 | mg/L | 8.00 | | 92.9 | 85-115 | | | |
| Manganese | 0.189 | 0.020 | mg/L | 0.200 | | 94.6 | 85-115 | | | |
| Sodium | 7.94 | 1.0 | mg/L | 8.00 | | 99.2 | 85-115 | | | |
| Zinc | 0.190 | 0.020 | mg/L | 0.200 | | 95.1 | 85-115 | | | |
| Duplicate (AH63297-DUP1) | So | ource: 16G2414 | 4-01 | Prepared: 0 | 8/04/16 Ar | nalyzed: 08/ | /09/16 | | | |
| Aluminum | 0.147 | 0.050 | mg/L | | ND | | | | 20 | |
| Boron | 0.126 | 0.050 | mg/L | | 0.131 | | | 3.94 | 20 | |
| Calcium | 29.6 | 1.0 | mg/L | | 30.9 | | | 4.26 | 20 | |
| Iron | ND | 0.10 | mg/L | | ND | | | 91.3 | 20 | |
| Magnesium | 6.93 | 1.0 | mg/L | | 7.23 | | | 4.23 | 20 | |
| Manganese | ND | 0.020 | mg/L | | ND | | | 64.8 | 20 | |
| Sodium | 35.0 | 1.0 | mg/L | | 36.8 | | | 4.85 | 20 | |
| Zinc | ND | 0.020 | mg/L | | ND | | | | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/11/16 10:49 |

Metals by EPA 200 Series Methods - Quality Control

| | | Reporting | | Snike | Source | | %REC | | RPD | |
|---------------------------------|--------|------------|-----------|-------------|------------|-------------|--------|---------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| D.4.1. AH(2207 M.4.1. D:4 | | | | | | | | | | |
| Batch Anos297 - Metals Digest | | | | | | | | | | |
| Matrix Spike (AH63297-MS1) | Sour | ce: 16G241 | 4-01 | Prepared: (| 08/04/16 A | nalyzed: 08 | /08/16 | | | |
| Aluminum | 1.87 | 0.050 | mg/L | 2.00 | ND | 93.6 | 70-130 | | | |
| Boron | 0.477 | 0.050 | mg/L | 0.400 | 0.131 | 86.5 | 70-130 | | | |
| Calcium | 39.6 | 1.0 | mg/L | 8.00 | 30.9 | 109 | 70-130 | | | |
| Iron | 1.86 | 0.10 | mg/L | 2.00 | ND | 90.3 | 70-130 | | | |
| Magnesium | 14.4 | 1.0 | mg/L | 8.00 | 7.23 | 89.7 | 70-130 | | | |
| Manganese | 0.181 | 0.020 | mg/L | 0.200 | ND | 90.4 | 70-130 | | | |
| Sodium | 45.5 | 1.0 | mg/L | 8.00 | 36.8 | 109 | 70-130 | | | |
| Zinc | 0.189 | 0.020 | mg/L | 0.200 | ND | 94.7 | 70-130 | | | |
| | | | | _ | | | | | | |
| Matrix Spike (AH63297-MS2) | Sour | ce: 16H040 | 7-01 | Prepared: (| 08/04/16 A | nalyzed: 08 | /08/16 | | | |
| Aluminum | 1.94 | 0.050 | mg/L | 2.00 | 0.155 | 89.1 | 70-130 | | | |
| Boron | 0.645 | 0.050 | mg/L | 0.400 | 0.320 | 81.1 | 70-130 | | | |
| Calcium | 39.7 | 1.0 | mg/L | 8.00 | 32.9 | 85.2 | 70-130 | | | |
| Iron | 1.93 | 0.10 | mg/L | 2.00 | 0.189 | 87.0 | 70-130 | | | |
| Magnesium | 19.1 | 1.0 | mg/L | 8.00 | 12.5 | 81.8 | 70-130 | | | |
| Manganese | 0.182 | 0.020 | mg/L | 0.200 | ND | 87.1 | 70-130 | | | |
| Sodium | 95.9 | 1.0 | mg/L | 8.00 | 87.6 | 103 | 70-130 | | | |
| Zinc | 0.176 | 0.020 | mg/L | 0.200 | ND | 88.1 | 70-130 | | | |
| Matrix Spike Dup (AH63297-MSD1) | Sour | ce: 16G241 | 4-01 | Prepared: (| 08/04/16 A | nalyzed: 08 | /08/16 | | | |
| Aluminum | 1.88 | 0.050 | mg/L | 2.00 | ND | 94.2 | 70-130 | 0.646 | 20 | |
| Boron | 0.486 | 0.050 | mg/L | 0.400 | 0.131 | 88.7 | 70-130 | 1.84 | 20 | |
| Calcium | 38.8 | 1.0 | mg/L | 8.00 | 30.9 | 98.8 | 70-130 | 2.01 | 20 | |
| Iron | 1.87 | 0.10 | mg/L | 2.00 | ND | 90.9 | 70-130 | 0.673 | 20 | |
| Magnesium | 14.4 | 1.0 | - mg/L | 8.00 | 7.23 | 89.7 | 70-130 | 0.00549 | 20 | |
| Manganese | 0.181 | 0.020 | - mg/L | 0.200 | ND | 90.4 | 70-130 | 0.0483 | 20 | |
| Sodium | 44.6 | 1.0 | - mg/L | 8.00 | 36.8 | 97.7 | 70-130 | 2.03 | 20 | |
| Zinc | 0.189 | 0.020 | mg/L | 0.200 | ND | 94.3 | 70-130 | 0.383 | 20 | |
| | | | - | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/11/16 10:49 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | Reporting | | | Spike | Source | | %REC | | RPD | | |
|-------------------------------------|--------------------|------------|----------|---------------------------------------|------------|-------------|--------|------|-------|------|--|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag | |
| Batch AG64011 - General Preparation | | | | | | | | | | | |
| Blank (AG64011-BLK1) | | | | Prepared: 08/01/16 Analyzed: 08/04/16 | | | | | | | |
| Total Dissolved Solids | ND | 10 | mg/L | | | | | | | | |
| Duplicate (AG64011-DUP1) | Sou | ce: 16G227 | 5-04 | Prepared: (| 08/01/16 A | nalyzed: 08 | /04/16 | | | | |
| Total Dissolved Solids | 26.0 | 10 | mg/L | | 25.0 | | | 3.92 | 15 | | |
| Duplicate (AG64011-DUP2) | Sou | ce: 16G229 | 0-02 | Prepared: (| 08/01/16 A | nalyzed: 08 | /04/16 | | | | |
| Total Dissolved Solids | 28.0 | 10 | mg/L | | 29.0 | | | 3.51 | 15 | | |
| Batch AG64019 - General Preparation | | | | | | | | | | | |
| Duplicate (AG64019-DUP1) | Source: 16G2454-01 | | | Prepared & | Analyzed: | 07/27/16 | | | | | |
| pH | 8.26 | 1.68 | pH Units | | 8.40 | | | 1.68 | 20 | | |
| Batch AG64044 - General Preparation | | | | | | | | | | | |
| Blank (AG64044-BLK1) | | | | Prepared: (| 07/29/16 A | nalyzed: 08 | /01/16 | | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | | |
| Duplicate (AG64044-DUP1) | Sou | ce: 16G216 | 3-01 | Prepared: (| 07/29/16 A | nalyzed: 08 | /01/16 | | | | |
| Total Suspended Solids | 217 | 1.0 | mg/L | | 185 | | | 16.2 | 30 | | |
| Duplicate (AG64044-DUP2) | Sou | ce: 16G216 | 3-03 | Prepared: (|)7/29/16 A | nalyzed: 08 | /01/16 | | | | |
| Total Suspended Solids | 327 | 1.0 | mg/L | | 319 | | | 2.65 | 30 | | |
| Batch AG64054 - General Preparation | | | | | | | | | | | |
| Duplicate (AG64054-DUP1) | Sou | ce: 16G252 | 0-01 | Prepared & | Analyzed: | 08/02/16 | | | | | |
| Bicarbonate | 396 | 5.0 | mg/L | | 390 | | | 1.55 | 20 | | |
| Bicarbonate Alkalinity as CaCO3 | 325 | 5.0 | mg/L | | 320 | | | 1.55 | 20 | | |
| Hydroxide Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | | |
| Carbonate Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | | |
| Total Alkalinity as CaCO3 | 325 | 5.0 | mg/L | | 320 | | | 1.55 | 20 | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/11/16 10:49 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|--------------|-------|---------------------------------------|-------------------------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63129 - General Preparation | | | | | | | | | | |
| Blank (AH63129-BLK1) | | | | Prepared: 08/01/16 Analyzed: 08/04/16 | | | | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AH63129-DUP1) | Sour | rce: 16G2234 | 4-02 | Prepared: (| 08/01/16 A | nalyzed: 08 | | | | |
| Total Suspended Solids | 287 | 1.0 | mg/L | | 284 | | | 1.25 | 30 | |
| Duplicate (AH63129-DUP2) | Sour | rce: 16G245 | 0-03 | Prepared: (| 08/01/16 A | nalyzed: 08 | /04/16 | | | |
| Total Suspended Solids | 279 | 1.0 | mg/L | | 262 | | | 6.04 | 30 | |
| Batch AH63132 - General Preparation | | | | | | | | | | |
| Blank (AH63132-BLK1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | |
| Silica | ND | 1.0 | mg/L | | | | | | | |
| LCS (AH63132-BS1) | | | | Prepared & Analyzed: 08/01/16 | | | | | | |
| Silica | 9.57 | 1.0 | mg/L | 10.0 | | 95.7 | 85-115 | | | |
| LCS Dup (AH63132-BSD1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | |
| Silica | 9.61 | 1.0 | mg/L | 10.0 | | 96.1 | 85-115 | 0.419 | 20 | |
| Duplicate (AH63132-DUP1) | Sour | rce: 16G216 | 0-01 | Prepared & | Analyzed: | 08/01/16 | | | | |
| Silica | 14.7 | 5.0 | mg/L | | 14.9 | | | 1.36 | 20 | |
| Matrix Spike (AH63132-MS1) | Sour | rce: 16G216 | 0-01 | Prepared & | Analyzed: | 08/01/16 | | | | |
| Silica | 39.2 | 5.0 | mg/L | 25.0 | 14.9 | 97.2 | 80-120 | | | |
| Matrix Spike Dup (AH63132-MSD1) | Sour | rce: 16G216 | 0-01 | Prepared & | Prepared & Analyzed: 08/01/16 | | | | | |
| Silica | 39.2 | 5.0 | mg/L | 25.0 | 14.9 | 97.2 | 80-120 | 0.00 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/11/16 10:49 |

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|--------------|-------|---------------------------------------|------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63166 - General Preparation | | | | | | | | | | |
| Blank (AH63166-BLK1) | | | | Prepared: 0 | 07/27/16 A | nalyzed: 08 | /01/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| Blank (AH63166-BLK2) | | | | Prepared: 0 | 07/27/16 A | nalyzed: 08 | /01/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| LCS (AH63166-BS1) | | | | Prepared: 0 | 07/27/16 A | nalyzed: 08 | /01/16 | | | |
| Biochemical Oxygen Demand | 218 | 5.0 | mg/L | 200 | | 109 | 84-115 | | | |
| Duplicate (AH63166-DUP1) | Source: 16G2281-02 | | | Prepared: 0 | 07/27/16 A | nalyzed: 08 | /01/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | ND | | | 5.56 | 30 | |
| Batch AH63169 - General Preparation | | | | | | | | | | |
| Blank (AH63169-BLK1) | | | | Prepared: 0 | 08/01/16 A | nalyzed: 08 | /05/16 | | | |
| Volatile Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AH63169-DUP1) | Sou | rce: 16H0023 | 7-01 | Prepared: 08/01/16 Analyzed: 08/05/16 | | | | | | |
| Volatile Suspended Solids | 444 | 1.0 | mg/L | | 429 | | | 3.51 | 30 | |
| Duplicate (AH63169-DUP2) | Sou | rce: 16H002 | 7-02 | Prepared: 08/01/16 Analyzed: 08/05/16 | | | /05/16 | | | |
| Volatile Suspended Solids | 282 | 1.0 | mg/L | | 309 | | | 9.17 | 30 | |
| Batch AH63270 - General Prep | | | | | | | | | | |
| Blank (AH63270-BLK1) | | | | Prepared & | Analyzed: | 08/04/16 | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/11/16 10:49 |

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------------------|------------|-------------|-------------|-------------|-------------|---------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63270 - General Prep | | | | | | | | | | |
| LCS (AH63270-BS1) | | | | Prepared & | Analyzed: | 08/04/16 | | | | |
| Phosphorus, total | 0.193 | 0.040 | mg/L | 0.200 | | 96.3 | 85-115 | | | |
| Duplicate (AH63270-DUP1) | Sour | ce: 16G228 | 8-01 | Prepared & | Analyzed: | 08/04/16 | | | | |
| Phosphorus, total | 5.65 | 2.0 | mg/L | | 5.65 | | | 0.00 | 20 | |
| Matrix Spike (AH63270-MS1) | Sour | ce: 16G228 | 8-01 | Prepared & | Analyzed: | 08/04/16 | | | | |
| Phosphorus, total | 6.96 | 2.0 | mg/L | 2.00 | 5.65 | 65.3 | 70-130 | | | QM-4X |
| Matrix Spike Dup (AH63270-MSD1) | Source: 16G2288-01 | | | Prepared & | Analyzed: | 08/04/16 | | | | |
| Phosphorus, total | 6.89 | 2.0 | mg/L | 2.00 | 5.65 | 62.0 | 70-130 | 0.939 | 20 | QM-4X |
| Batch AH63297 - Metals Digest | | | | | | | | | | |
| Blank (AH63297-BLK1) | | | | Prepared: (| 08/04/16 A | nalyzed: 08 | | | | |
| Hardness, Total | ND | 5 | mg/L | | | | | | | |
| Duplicate (AH63297-DUP1) | Sour | ce: 16G241 | 4-01 | Prepared: (| 08/04/16 A | nalyzed: 08 | | | | |
| Hardness, Total | 102 | 5 | mg/L | | 107 | | | 4.25 | 20 | |
| Batch AH63327 - General Prep | | | | | | | | | | |
| LCS (AH63327-BS1) | | | Prepared: (| 08/08/16 A | nalyzed: 08 | 8/09/16 | | | | |
| Total Kjeldahl Nitrogen | 3.04 | 1.0 | mg/L | 2.98 | | 102 | 80-120 | | | |
| LCS Dup (AH63327-BSD1) | | | | Prepared: (| 08/08/16 A | nalyzed: 08 | 8/09/16 | | | |
| Total Kjeldahl Nitrogen | 3.04 | 1.0 | mg/L | 2.98 | | 102 | 80-120 | 0.00 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/11/16 10:49 |

| | | Reporting | | Snike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|------------|-------|-------------------------------|------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63327 - General Prep | | | | | | | | | | |
| Matrix Spike (AH63327-MS1) | Sour | ce: 16G226 | 0-01 | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Total Kjeldahl Nitrogen | 64.4 | 1.0 | mg/L | 22.6 | 40.6 | 105 | 75-125 | | | |
| Matrix Spike Dup (AH63327-MSD1) | Sour | ce: 16G226 | 0-01 | Prepared: (| 08/08/16 A | nalyzed: 08 | /09/16 | | | |
| Total Kjeldahl Nitrogen | 64.4 | 1.0 | mg/L | 22.6 | 40.6 | 105 | 75-125 | 0.00 | 20 | |
| Batch AH63470 - General Preparation | | | | | | | | | | |
| Blank (AH63470-BLK1) | | | | Prepared & | Analyzed: | 08/10/16 | | | | |
| Ammonia as NH3 | ND | 0.50 | mg/L | | | | | | | |
| LCS (AH63470-BS1) | | | | Prepared & Analyzed: 08/10/16 | | | | | | |
| Ammonia as NH3 | 5.96 | 0.50 | mg/L | 6.10 | | 97.7 | 90-110 | | | |
| LCS Dup (AH63470-BSD1) | | | | Prepared & | Analyzed: | 08/10/16 | | | | |
| Ammonia as NH3 | 5.85 | 0.50 | mg/L | 6.10 | | 96.0 | 90-110 | 1.81 | 10 | |
| Matrix Spike (AH63470-MS1) | Source: 16G2283-01 | | | Prepared & Analyzed: 08/10/16 | | | | | | |
| Ammonia as NH3 | 11.9 | 0.50 | mg/L | 12.2 | ND | 97.7 | 85-115 | | | |
| Matrix Spike Dup (AH63470-MSD1) | Sour | ce: 16G228 | 3-01 | Prepared & | Analyzed: | 08/10/16 | | | | |
| Ammonia as NH3 | 11.7 | 0.50 | mg/L | 12.2 | ND | 96.0 | 85-115 | 1.80 | 20 | |



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|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/11/16 10:49 |

Anions by EPA Method 300.0 - Quality Control

| Analyta(c) | Result | Reporting | Unite | Spike Level | Source | %REC | %REC | RPD | RPD Limit | Flag |
|-------------------------------------|--------|---------------|-------|-------------------------------|-----------|----------|--------|------|--------------|-------|
| Analyte(3) | Result | Liint | Onto | Level | Result | /orcec | Linits | KI D | Liilit | 1 148 |
| Batch AG63986 - General Preparation | | | | | | | | | | |
| Blank (AG63986-BLK1) | | | | Prepared & | Analyzed: | 07/27/16 | | | | |
| Chloride | ND | 0.50 | mg/L | | | | | | | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | | | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | | | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | | | | | | |
| LCS (AG63986-BS1) | | | | Prepared & | Analyzed: | 07/27/16 | | | | |
| Sulfate as SO4 | 22.2 | 0.50 | mg/L | 22.2 | | 100 | 90-110 | | | |
| Nitrite as NO2 | 18.6 | 1.0 | mg/L | 18.2 | | 102 | 90-110 | | | |
| Chloride | 11.5 | 0.50 | mg/L | 11.1 | | 103 | 90-110 | | | |
| Nitrite as N | 5.66 | 0.20 | mg/L | 5.56 | | 102 | 90-110 | | | |
| Nitrate as N | 5.72 | 0.20 | mg/L | 5.56 | | 103 | 90-110 | | | |
| Nitrate as NO3 | 25 | 1.0 | mg/L | 24.7 | | 103 | 90-110 | | | |
| Duplicate (AG63986-DUP1) | So | ource: 16G227 | 5-01 | Prepared & Analyzed: 07/27/16 | | | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Nitrite as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | ND | | | | 20 | |
| Nitrate as NO3 | 2.6 | 1.0 | mg/L | | 2.7 | | | 4.17 | 20 | |
| Chloride | ND | 0.50 | mg/L | | ND | | | 1.32 | 20 | |
| Nitrate as N | 0.594 | 0.20 | mg/L | | 0.620 | | | 4.17 | 20 | |
| Matrix Spike (AG63986-MS1) | So | ource: 16G227 | 5-01 | Prepared & | Analyzed: | 07/27/16 | | | | |
| Nitrite as N | 5.76 | 0.20 | mg/L | 5.56 | ND | 104 | 80-120 | | | |
| Chloride | 12.0 | 0.50 | mg/L | 11.1 | ND | 105 | 80-120 | | | |
| Nitrate as NO3 | 29 | 1.0 | mg/L | 24.7 | 2.7 | 105 | 80-120 | | | |
| Nitrite as NO2 | 18.9 | 1.0 | mg/L | 18.2 | ND | 104 | 80-120 | | | |
| Sulfate as SO4 | 22.6 | 0.50 | mg/L | 22.2 | ND | 102 | 80-120 | | | |
| Nitrate as N | 6.45 | 0.20 | mg/L | 5.56 | 0.620 | 105 | 80-120 | | | |


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|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/11/16 10:49 |

Anions by EPA Method 300.0 - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|--------------|-------|------------|-------------|------------|--------|--------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG63986 - General Preparation | | | | | | | | | | |
| Matrix Spike (AG63986-MS2) | So | urce: 16G227 | 9-01 | Prepared & | & Analyzed: | 07/28/16 | | | | |
| Nitrate as N | 5.78 | 0.20 | mg/L | 5.56 | ND | 103 | 80-120 | | | |
| Nitrite as NO2 | 12.2 | 1.0 | mg/L | 18.2 | ND | 67.1 | 80-120 | | | QM-05 |
| Sulfate as SO4 | 22.9 | 0.50 | mg/L | 22.2 | ND | 102 | 80-120 | | | |
| Chloride | 13.3 | 0.50 | mg/L | 11.1 | 1.68 | 104 | 80-120 | | | |
| Nitrite as N | 3.72 | 0.20 | mg/L | 5.56 | ND | 67.0 | 80-120 | | | QM-05 |
| Nitrate as NO3 | 26 | 1.0 | mg/L | 24.7 | ND | 103 | 80-120 | | | |
| Matrix Spike Dup (AG63986-MSD1) | So | urce: 16G227 | 5-01 | Prepared & | k Analyzed: | : 07/27/16 | | | | |
| Nitrite as NO2 | 19.0 | 1.0 | mg/L | 18.2 | ND | 104 | 80-120 | 0.308 | 20 | |
| Chloride | 12.0 | 0.50 | mg/L | 11.1 | ND | 105 | 80-120 | 0.0463 | 20 | |
| Sulfate as SO4 | 22.5 | 0.50 | mg/L | 22.2 | ND | 101 | 80-120 | 0.335 | 20 | |
| Nitrite as N | 5.77 | 0.20 | mg/L | 5.56 | ND | 104 | 80-120 | 0.308 | 20 | |
| Nitrate as N | 6.46 | 0.20 | mg/L | 5.56 | 0.620 | 105 | 80-120 | 0.132 | 20 | |
| Nitrate as NO3 | 29 | 1.0 | mg/L | 24.7 | 2.7 | 105 | 80-120 | 0.132 | 20 | |
| | | | | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/11/16 10:49 |

Notes and Definitions

- 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-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.
- 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

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| | www.alpha-labs.com |

WATERS, SEDIMENTS, SOLIDS

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Bay Area Laboratory 6398 Dougherty Road, #35, Dublin, CA 94568 Central Valley Laboratory 9090 Unioin Park Wy., #113, Elk Grove, CA 95624 916-686-5190 F) 916-686-5192

Work Order **Chain of Custody Record**

Lab No.] (642788 Page____of____

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| WATERS, SEDIMENTS, SOLIDS | 925-82 | 8-62 | 26 F) | 925- | 828 | 6309 | 3 | | | | | | | | | | | | | | Lab | NO. <u>'</u> | <u>_</u> | | | | | Page ل <u>يـــــــ</u> | | _of | - |
|---|-----------|-------------------|-------------------------------|----------|-----------|----------|---|------------------|----------|-----|------|-----------|---------|----------|----------|-----------|-----------|-------------|--------|----------|-----------|--------------|-----------------|----------|----------|------------|---------|------------------------|--|-------------------|------------------|
| Company/Name: | Project 1 | D: | - | | | | | | | | | Т | | | Sign | ature | beiov | v autr | norize | s wor | k und | er te | ms s | tated | on re | verse | side. | | | | |
| West Bay Sanitary District | | | WQ Monitoring | | | | | Analysis Request | | | | | | | Sai | mple | e Notes | | тат | | | | | | | | | | | | |
| Mailing Address; 500 Laurel Street Menio Park, CA 94025 | Project I | No: | | | | | | | | | | | | | | | | | | | | | | | | | , | · · | ╆╌ | 24 hr | |
| Project Contact & Emall (Hardcopy or PDF to): | | | | - | | | | | | - | | | | | N É | | | ļğ | | C C | | | | | | | 4 | t-~ | | 48 hr | Rus |
| John Simonetti | ILO1 | ‡ | | | | | | | | | | | | | Σ | l o | | <u>~</u> | | E: | | | | | | | | | | \bigcirc | For |
| jsimonetti@westbaysanitary.org | Site Con | to nt. | _ | | | | | | | | | _ | | | Ľ, | 2 | | l g | ate | | | | | | | | | | | Lab Annovel | Pe |
| Flight da. | | | _ (| <u> </u> | | | | ١. | | | | | | | Na, Al | spho | | ပ္မ | Ъо | Calc | | | | | | Ę | | | | Required | _l Requi |
| Field Sampler - Print Name & Signature | | | Container Preservative Matrix | | | | | , BM | PH | gen | nde, | üca | ted | | | | | | 2 | | | | | lova | | | | | | | |
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| G13104 726 | 082 | | 5 | | | | 1 | 1 | 3 | x | | | x | x | x | x | x | x | x | x | x | x | x | x | x | K | | | | | |
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| G13220 726 | 092 | | 5 | | | | 1 | 1 | 3 | x | Π | | x | x | x | x | x | x | x | x | x | x | x | x | x | 大 | | | - | | |
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| G13223 7/26 | 0820 | | 5 | | | | 1 | 1 | 3 | x | | | х | x | x | x | × | x | x | x | x | x | x | × | X | | | | - | | |
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| Relinquished by: | Receiver | | | _ | e | _ | | _ | | | | Dati | 12 | Ø | Tim | 7 | 30 | СА | Ge | otra | cker | ED | FR | еро | rt | | Ye | es C | | 10 (| \sum_{i} |
| Relinquished by: | Receive | d by: | $\overline{}$ | | | | / | _ | | | | Date | e M | 10 | Tim | 71 | ~~ | Sa | npli | ing Ć | om | pan | y Lo | g C | ode: | | | | | _ | |
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Alpha Analytical Laboratories Inc. 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

12 August 2016

West Bay Sanitary District Attn: John Simonetti 500 Laurel Street Menlo Park, CA 94025 RE: WQ Monitoring Work Order: 16G2450

Enclosed are the results of analyses for samples received by the laboratory on 07/27/16 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Popli

Jeanette L. Poplin For Robbie C. Phillips Project Manager



e-mail: clientservices @alpha-labs.com

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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/12/16 08:40 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| G13104 / 072616A | 16G2450-01 | Water | 07/27/16 08:55 | 07/27/16 21:00 |
| G13220 / 072616B | 16G2450-02 | Water | 07/27/16 09:10 | 07/27/16 21:00 |
| G13223 / 072616C | 16G2450-03 | Water | 07/27/16 08:20 | 07/27/16 21:00 |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Pro | Project Manager: John Simonetti Project: WQ Monitoring Project Number: [none] | | | | | | | | | | | | |
|---|---------------|---|----------|---------|----------------|-------------------|---------------|------|--|--|--|--|--|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | | | | | |
| G13104 / 072616A (16G2450-01) | | Sample Type: | : Water | | Sample | d: 07/27/16 08:55 | | | | | | | | |
| Metals (Drinking Water) by EPA 200 Series M | lethods | | | | | | | | | | | | | |
| Potassium | 15 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:14 | EPA 200.7 | | | | | | | |
| Metals by EPA 200 Series Methods | | | | | | | | | | | | | | |
| Aluminum | 0.61 mg/L | 0.050 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:14 | EPA 200.7 | | | | | | | |
| Boron | 0.26 mg/L | 0.050 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:14 | EPA 200.7 | | | | | | | |
| Calcium | 24 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:14 | EPA 200.7 | | | | | | | |
| Iron | 1.4 mg/L | 0.10 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:14 | EPA 200.7 | | | | | | | |
| Magnesium | 4.2 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:14 | EPA 200.7 | | | | | | | |
| Manganese | 0.067 mg/L | 0.020 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:14 | EPA 200.7 | | | | | | | |
| Sodium | 74 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:14 | EPA 200.7 | | | | | | | |
| Zinc | 0.23 mg/L | 0.020 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:14 | EPA 200.7 | | | | | | | |
| Conventional Chemistry Parameters by APH. | A/EPA Methods | | | | | | | | | | | | | |
| Ammonia as NH3 | 49 mg/L | 0.50 | 1 | AH63429 | 08/09/16 08:10 | 08/09/16 17:00 | SM4500NH3C | | | | | | | |
| Bicarbonate | 250 mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | | | | | | | |
| Biochemical Oxygen Demand | 320 mg/L | 5.0 | 1 | AH63209 | 07/28/16 14:00 | 08/02/16 13:00 | SM5210B | | | | | | | |
| рН | 7.11 pH Uni | its 1.68 | 1 | AG64019 | 07/27/16 18:40 | 07/27/16 18:40 | SM4500-H+ B | T-1 | | | | | | |
| Specific Conductance (EC) | 890 umhos/ | cm 20 | 1 | AG64047 | 07/28/16 16:00 | 07/28/16 17:00 | SM2510B | | | | | | | |
| Total Dissolved Solids | 400 mg/L | 10 | 1 | AH63187 | 08/02/16 08:45 | 08/04/16 10:02 | SM2540C | | | | | | | |
| Total Suspended Solids | 400 mg/L | 1.0 | 1 | AH63129 | 08/01/16 08:57 | 08/04/16 17:29 | SM2540D | | | | | | | |
| Volatile Suspended Solids | 370 mg/L | 1.0 | 1 | AH63169 | 08/01/16 15:18 | 08/05/16 17:16 | EPA 160.4 | | | | | | | |
| Silica | 14 mg/L | 5.0 | 5 | AH63234 | 08/03/16 10:00 | 08/03/16 12:45 | SM4500-SiO2 C | | | | | | | |
| Bicarbonate Alkalinity as CaCO3 | 200 mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | | | | | | | |
| Carbonate Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | | | | | | | |
| Hydroxide Alkalinity as CaCO3 | ND mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | | | | | | | |
| Total Alkalinity as CaCO3 | 200 mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | | | | | | | |
| Total Kjeldahl Nitrogen | 56 mg/L | 1.0 | 1 | AH63428 | 08/10/16 06:29 | 08/10/16 12:35 | SM4500-Norg B | | | | | | | |
| Total Nitrogen | 56 mg/L | 1.0 | 1 | AH63266 | 08/03/16 15:40 | 08/10/16 14:19 | SM4500-N | | | | | | | |
| Hardness, Total | 76 mg/L | 5 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:14 | SM2340B | | | | | | | |
| Phosphorus, total | 7.2 mg/L | 2.0 | 5 | AH63270 | 08/04/16 08:20 | 08/04/16 12:33 | SM4500-P E | | | | | | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proje Proj | Project Manager: John Simonetti Project: WQ Monitoring Project Number: [none] | | | | | | | | | | | |
|---|---------------|---|----------|---------|----------------|-------------------|-----------|------|--|--|--|--|--|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | | | | |
| G13104 / 072616A (16G2450-01) | | Sample Type: | : Water | | Sample | d: 07/27/16 08:55 | | | | | | | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 4.17 NA | | 1 | AH63297 | 08/04/16 11:47 | 08/11/16 13:59 | SAR | | | | | | |
| Anions by EPA Method 300.0 | | | | | | | | | | | | | |
| Chloride | 110 mg/L | 10 | 20 | AG64017 | 07/28/16 17:17 | 07/28/16 17:17 | EPA 300.0 | | | | | | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG64017 | 07/28/16 17:35 | 07/28/16 17:35 | EPA 300.0 | | | | | | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG64017 | 07/28/16 17:35 | 07/28/16 17:35 | EPA 300.0 | | | | | | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG64017 | 07/28/16 17:35 | 07/28/16 17:35 | EPA 300.0 | | | | | | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG64017 | 07/28/16 17:35 | 07/28/16 17:35 | EPA 300.0 | | | | | | |
| Sulfate as SO4 | 21 mg/L | 0.50 | 1 | AG64017 | 07/28/16 17:35 | 07/28/16 17:35 | EPA 300.0 | | | | | | |
| G13220 / 072616B (16G2450-02) | | Sample Type: | : Water | | Sample | d: 07/27/16 09:10 | | | | | | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | | | | | |
| Potassium | 16 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:19 | EPA 200.7 | | | | | | |
| Metals by EPA 200 Series Methods | | | | | | | | | | | | | |
| Aluminum | 1.4 mg/L | 0.050 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:19 | EPA 200.7 | | | | | | |
| Boron | 0.16 mg/L | 0.050 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:19 | EPA 200.7 | | | | | | |
| Calcium | 28 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:19 | EPA 200.7 | | | | | | |
| Iron | 3.9 mg/L | 0.10 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:19 | EPA 200.7 | | | | | | |
| Magnesium | 11 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:19 | EPA 200.7 | | | | | | |
| Manganese | 0.075 mg/L | 0.020 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:19 | EPA 200.7 | | | | | | |
| Sodium | 54 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:19 | EPA 200.7 | | | | | | |
| Zinc | 0.43 mg/L | 0.020 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:19 | EPA 200.7 | | | | | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | F | Project Manager: Jol Project: WG Project Number: [no | nn Simor Monitor ne] | netti ring | | | R 08/12/′ | eported: 16 08:40 |
|---|---------------|--|----------------------------|---------------|----------------|-------------------|---------------|----------------------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13220 / 072616B (16G2450-02) | | Sample Type: | : Water | | Sample | d: 07/27/16 09:10 | | |
| Conventional Chemistry Parameters by APHA | /EPA Methods | | | | | | | |
| Ammonia as NH3 | 55 mg/I | L 0.50 | 1 | AH63429 | 08/09/16 08:10 | 08/09/16 17:00 | SM4500NH3C | |
| Bicarbonate | 270 mg/I | L 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Biochemical Oxygen Demand | 450 mg/I | L 5.0 | 1 | AH63209 | 07/28/16 14:00 | 08/02/16 13:00 | SM5210B | |
| рН | 7.15 pH U | Units 1.68 | 1 | AG64019 | 07/27/16 18:40 | 07/27/16 18:40 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 800 umh | os/cm 20 | 1 | AG64047 | 07/28/16 16:00 | 07/28/16 17:00 | SM2510B | |
| Total Dissolved Solids | 340 mg/I | L 10 | 1 | AH63187 | 08/02/16 08:45 | 08/04/16 10:02 | SM2540C | |
| Total Suspended Solids | 460 mg/I | L 1.0 | 1 | AH63129 | 08/01/16 08:57 | 08/04/16 17:29 | SM2540D | |
| Volatile Suspended Solids | 420 mg/I | L 1.0 | 1 | AH63169 | 08/01/16 15:18 | 08/05/16 17:16 | EPA 160.4 | |
| Silica | 16 mg/I | L 5.0 | 5 | AH63234 | 08/03/16 10:00 | 08/03/16 12:45 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 220 mg/I | L 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | ND mg/I | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | ND mg/I | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Total Alkalinity as CaCO3 | 220 mg/I | L 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Total Kjeldahl Nitrogen | 72 mg/I | L 1.0 | 1 | AH63428 | 08/10/16 06:29 | 08/11/16 11:56 | SM4500-Norg B | |
| Total Nitrogen | 72 mg/I | L 1.0 | 1 | AH63266 | 08/03/16 15:40 | 08/11/16 13:36 | SM4500-N | |
| Hardness, Total | 113 mg/I | L 5 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:19 | SM2340B | |
| Phosphorus, total | 7.9 mg/I | L 2.0 | 5 | AH63270 | 08/04/16 08:20 | 08/04/16 12:33 | SM4500-P E | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.49 NA | | 1 | AH63297 | 08/04/16 11:47 | 08/11/16 13:59 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 57 mg/I | L 10 | 20 | AG64017 | 07/28/16 17:51 | 07/28/16 17:51 | EPA 300.0 | |
| Nitrate as N | ND mg/I | 0.20 | 1 | AG64017 | 07/28/16 18:07 | 07/28/16 18:07 | EPA 300.0 | |
| Nitrate as NO3 | ND mg/I | 1.0 | 1 | AG64017 | 07/28/16 18:07 | 07/28/16 18:07 | EPA 300.0 | |
| Nitrite as N | ND mg/I | 0.20 | 1 | AG64017 | 07/28/16 18:07 | 07/28/16 18:07 | EPA 300.0 | |
| Nitrite as NO2 | ND mg/I | 1.0 | 1 | AG64017 | 07/28/16 18:07 | 07/28/16 18:07 | EPA 300.0 | |
| Sulfate as SO4 | 45 mg/I | L 10 | 20 | AG64017 | 07/28/16 17:51 | 07/28/16 17:51 | EPA 300.0 | |
| G13223 / 072616C (16G2450-03) | | Sample Type | : Water | | Sample | d: 07/27/16 08:20 | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | |
| Potassium | 19 mg/I | L 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:23 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Projec Proje | Reported: 08/12/16 08:40 | | | | | | |
|---|----------------------|-----------------------------|----------|---------|----------------|-------------------|---------------|------|
| Re | ult | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 072616C (16G2450-03) | | Sample Type | : Water | | Sample | d: 07/27/16 08:20 | | |
| Metals by EPA 200 Series Methods | | | | | - | | | |
| Aluminum 0.0 | 8 mg/L | 0.050 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:23 | EPA 200.7 | |
| Boron 0.2 | 4 mg/L | 0.050 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:23 | EPA 200.7 | |
| Calcium | 0 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:23 | EPA 200.7 | |
| Iron 1 | 8 mg/L | 0.10 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:23 | EPA 200.7 | |
| Magnesium 6 | 4 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:23 | EPA 200.7 | |
| Manganese 0.05 | 7 mg/L | 0.020 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:23 | EPA 200.7 | |
| Sodium | 2 mg/L | 1.0 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:23 | EPA 200.7 | |
| Zinc 0.2 | 3 mg/L | 0.020 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:23 | EPA 200.7 | |
| Conventional Chemistry Parameters by APHA/EPA Metho | 10 | | | | | | | |
| Ammonio os NH3 | 8 mg/I | 0.50 | 1 | AH63420 | 08/09/16 08:10 | 08/09/16 17:00 | SM4500NH3C | |
| Ricarbanata 2 | 0 mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Riochemical Oxygan Demand | 0 mg/L | 5.0 | 1 | AH63200 | 07/28/16 14:00 | 08/02/16 13:00 | SM2320B | |
| pH 71 | 0 mg/L 0 nH Unite | 3.0 | 1 | AG64010 | 07/28/10 14:00 | 07/27/16 18:40 | SM4500 H+ B | т 14 |
| Specific Conductance (EC) | 0 µmhos/om | 20 | 1 | AG64047 | 07/28/16 16:00 | 07/28/16 17:00 | SM2510B | 1-14 |
| Total Dissolved Solids | 0 unnos/cm | 10 | 1 | AU04047 | 08/02/16 08:45 | 07/28/10 17:00 | SM2540C | |
| Total Suspended Solids | 0 mg/L | 10 | 1 | AH63120 | 08/01/16 08:57 | 08/04/16 17:29 | SM2540D | |
| Volotile Suspended Solide 24 | 0 mg/L | 1.0 | 1 | AH63160 | 08/01/16 15:18 | 08/05/16 17:16 | 5W2540D | |
| Silica | 6 mg/L | 5.0 | 5 | AH63234 | 08/03/16 10:00 | 08/03/16 12:45 | SM4500-SiO2 C | |
| Ricarbonate Alkalinity as CaCO3 22 | 0 mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Carbonate Alkalinity as CaCO3 | D mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Hydroxide Alkalinity as CaCO3 | D mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Total Alkalinity as CaCO3 22 | 0 mg/L | 5.0 | 1 | AG64054 | 08/02/16 08:00 | 08/02/16 17:00 | SM2320B | |
| Total Kieldahl Nitrogen | 5 mg/L | 1.0 | 1 | AH63428 | 08/10/16 06:29 | 08/11/16 11:56 | SM4500-Norg B | |
| Total Nitrogen | 5 mg/L | 1.0 | 1 | AH63266 | 08/03/16 15:40 | 08/11/16 13:36 | SM4500-N | |
| Hardness. Total | 5 mg/L | 5 | 1 | AH63297 | 08/04/16 11:47 | 08/10/16 16:23 | SM2340B | |
| Phosphorus, total 6 | 8 mg/L | 2.0 | 5 | AH63270 | 08/04/16 08:20 | 08/04/16 12:33 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj | F 08/12 | Reported: /16 08:40 | | | | | |
|---|---------------|-----------------|------------------------|---------|----------------|-------------------|-----------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 072616C (16G2450-03) | | Sample Type: | Water | | Sample | d: 07/27/16 08:20 | | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 3.45 NA | | 1 | AH63297 | 08/04/16 11:47 | 08/11/16 13:59 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 75 mg/L | 10 | 20 | AG64017 | 07/28/16 18:56 | 07/28/16 18:56 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG64017 | 07/28/16 19:12 | 07/28/16 19:12 | EPA 300.0 | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG64017 | 07/28/16 19:12 | 07/28/16 19:12 | EPA 300.0 | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG64017 | 07/28/16 19:12 | 07/28/16 19:12 | EPA 300.0 | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG64017 | 07/28/16 19:12 | 07/28/16 19:12 | EPA 300.0 | |
| Sulfate as SO4 | 35 mg/L | 0.50 | 1 | AG64017 | 07/28/16 19.12 | 07/28/16 19:12 | EPA 300 0 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/12/16 08:40 |

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

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|-------------|-------------|---------------------------------------|---------------------------------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63297 - Metals Digest | | | | | | | | | | |
| Blank (AH63297-BLK1) | Pre | | | Prepared: (| 08/04/16 A | nalyzed: 08 | | | | |
| Potassium | ND | 1.0 | mg/L | | | | | | | |
| LCS (AH63297-BS1) | Pre | | | Prepared: (| Prepared: 08/04/16 Analyzed: 08/08/16 | | | | | |
| Potassium | 7.57 | 1.0 | mg/L | 8.00 | | 94.6 | 85-115 | | | |
| Duplicate (AH63297-DUP1) | Sou | ce: 16G2414 | I-01 | Prepared: 08/04/16 Analyzed: 08/09/16 | | | | | | |
| Potassium | 1.18 | 1.0 | mg/L | | 1.20 | | | 1.36 | 20 | |
| Matrix Spike (AH63297-MS1) | Sou | ce: 16G2414 | I-01 | Prepared: 08/04/16 Analyzed: 08/08/16 | | | | | | |
| Potassium | 8.53 | 1.0 | mg/L | 8.00 | 1.20 | 91.7 | 70-130 | | | |
| Matrix Spike (AH63297-MS2) | Sou | ce: 16H0407 | '-01 | Prepared: (| 08/04/16 A | nalyzed: 08 | /08/16 | | | |
| Potassium | 16.7 | 1.0 | mg/L | 8.00 | 10.1 | 83.4 | 70-130 | | | |
| Matrix Spike Dup (AH63297-MSD1) | Sou | ce: 16G2414 | I-01 | Prepared: (| Prepared: 08/04/16 Analyzed: 08/08/16 | | | | | |
| Potassium | 8.60 | 1.0 | mg/L | 8.00 | 1.20 | 92.6 | 70-130 | 0.829 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/12/16 08:40 |

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 AH63297 - Metals Digest | | | | | | | | | | - | |
| Diamle (AIIC2207 DI V1) | | | | Prepared: () | 8/04/16 Ar | aluzad: 08 | /08/16 | | | | |
| Aluminum | ND | 0.050 | mg/L | Trepareu. 0 | 0/04/10 AI | alyzeu. 08/ | 08/10 | | | | |
| Boron | ND | 0.050 | mg/I | | | | | | | | |
| Calcium | ND | 1.0 | mg/I | | | | | | | | |
| Iron | ND | 0.10 | mg/L | | | | | | | | |
| Magnecium | ND | 1.0 | mg/L | | | | | | | | |
| Manganasa | ND | 0.020 | mg/L | | | | | | | | |
| Radium | ND | 0.020 | mg/L | | | | | | | | |
| Zina | ND | 0.020 | mg/L | | | | | | | | |
| Zilie | ND | 0.020 | IIIg/L | | | | | | | | |
| LCS (AH63297-BS1) | Prepared: 08/04/16 Analyzed: 08/08/16 | | | | | | | | | | |
| Aluminum | 1.91 | 0.050 | mg/L | 2.00 | | 95.5 | 85-115 | | | | |
| Boron | 0.373 | 0.050 | mg/L | 0.400 | | 93.2 | 85-115 | | | | |
| Calcium | 7.45 | 1.0 | mg/L | 8.00 | | 93.1 | 85-115 | | | | |
| Iron | 1.94 | 0.10 | mg/L | 2.00 | | 96.8 | 85-115 | | | | |
| Magnesium | 7.43 | 1.0 | mg/L | 8.00 | | 92.9 | 85-115 | | | | |
| Manganese | 0.189 | 0.020 | mg/L | 0.200 | | 94.6 | 85-115 | | | | |
| Sodium | 7.94 | 1.0 | mg/L | 8.00 | | 99.2 | 85-115 | | | | |
| Zinc | 0.190 | 0.020 | mg/L | 0.200 | | 95.1 | 85-115 | | | | |
| Duplicate (AH63297-DUP1) | So | urce: 16G2414 | 4-01 | Prepared: 0 | 8/04/16 Ar | alyzed: 08 | /09/16 | | | | |
| Aluminum | 0.147 | 0.050 | mg/L | | ND | | | | 20 | | |
| Boron | 0.126 | 0.050 | mg/L | | 0.131 | | | 3.94 | 20 | | |
| Calcium | 29.6 | 1.0 | mg/L | | 30.9 | | | 4.26 | 20 | | |
| Iron | ND | 0.10 | mg/L | | ND | | | 91.3 | 20 | | |
| Magnesium | 6.93 | 1.0 | mg/L | | 7.23 | | | 4.23 | 20 | | |
| Manganese | ND | 0.020 | mg/L | | ND | | | 64.8 | 20 | | |
| Sodium | 35.0 | 1.0 | mg/L | | 36.8 | | | 4.85 | 20 | | |
| Zinc | ND | 0.020 | mg/L | | ND | | | | 20 | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/12/16 08:40 |

Metals by EPA 200 Series Methods - Quality Control

| | | Reporting | | Snike | Source | | %REC | | RPD | |
|---------------------------------|--------|------------|-----------|-------------|------------|-------------|--------|---------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63297 - Metals Digest | | | | | | | | | | |
| Matrix Spike (AH63297-MS1) | Sour | ce: 16G241 | 4-01 | Prepared: (| 08/04/16 A | nalyzed: 08 | /08/16 | | | |
| Aluminum | 1.87 | 0.050 | mg/L | 2.00 | ND | 93.6 | 70-130 | | | |
| Boron | 0.477 | 0.050 | mg/L | 0.400 | 0.131 | 86.5 | 70-130 | | | |
| Calcium | 39.6 | 1.0 | mg/L | 8.00 | 30.9 | 109 | 70-130 | | | |
| Iron | 1.86 | 0.10 | mg/L | 2.00 | ND | 90.3 | 70-130 | | | |
| Magnesium | 14.4 | 1.0 | mg/L | 8.00 | 7.23 | 89.7 | 70-130 | | | |
| Manganese | 0.181 | 0.020 | mg/L | 0.200 | ND | 90.4 | 70-130 | | | |
| Sodium | 45.5 | 1.0 | mg/L | 8.00 | 36.8 | 109 | 70-130 | | | |
| Zinc | 0.189 | 0.020 | mg/L | 0.200 | ND | 94.7 | 70-130 | | | |
| | | | | | | | | | | |
| Matrix Spike (AH63297-MS2) | Sour | ce: 16H040 | 7-01 | Prepared: (| 08/04/16 A | nalyzed: 08 | /08/16 | | | |
| Aluminum | 1.94 | 0.050 | mg/L | 2.00 | 0.155 | 89.1 | 70-130 | | | |
| Boron | 0.645 | 0.050 | mg/L | 0.400 | 0.320 | 81.1 | 70-130 | | | |
| Calcium | 39.7 | 1.0 | mg/L | 8.00 | 32.9 | 85.2 | 70-130 | | | |
| Iron | 1.93 | 0.10 | mg/L | 2.00 | 0.189 | 87.0 | 70-130 | | | |
| Magnesium | 19.1 | 1.0 | mg/L | 8.00 | 12.5 | 81.8 | 70-130 | | | |
| Manganese | 0.182 | 0.020 | mg/L | 0.200 | ND | 87.1 | 70-130 | | | |
| Sodium | 95.9 | 1.0 | mg/L | 8.00 | 87.6 | 103 | 70-130 | | | |
| Zinc | 0.176 | 0.020 | mg/L | 0.200 | ND | 88.1 | 70-130 | | | |
| Matrix Snike Dun (AH63297-MSD1) | Sour | ce: 16G241 | 4-01 | Prepared: (| 08/04/16 A | nalvzed: 08 | /08/16 | | | |
| Aluminum | 1.88 | 0.050 | mg/L | 2.00 | ND | 94.2 | 70-130 | 0.646 | 20 | |
| Boron | 0.486 | 0.050 | mg/L | 0.400 | 0.131 | 88.7 | 70-130 | 1.84 | 20 | |
| Calcium | 38.8 | 1.0 | mg/L | 8.00 | 30.9 | 98.8 | 70-130 | 2.01 | 20 | |
| Iron | 1.87 | 0.10 | mg/L | 2.00 | ND | 90.9 | 70-130 | 0.673 | 20 | |
| Magnesium | 14.4 | 1.0 | - mg/L | 8.00 | 7.23 | 89.7 | 70-130 | 0.00549 | 20 | |
| Manganese | 0.181 | 0.020 | mg/L | 0.200 | ND | 90.4 | 70-130 | 0.0483 | 20 | |
| Sodium | 44.6 | 1.0 | mg/L | 8.00 | 36.8 | 97.7 | 70-130 | 2.03 | 20 | |
| Zinc | 0.189 | 0.020 | mg/L | 0.200 | ND | 94.3 | 70-130 | 0.383 | 20 | |
| | | | - | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/12/16 08:40 |

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|------------------------|-------------|------------|---------------------------------------|-------------------------------|--------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64019 - General Preparation | | | | | | | | | | |
| Duplicate (AG64019-DUP1) | Source: 16G2454-01 Pre | | Prepared & | Analyzed: | 07/27/16 | | | | | |
| pH | 8.26 | 1.68 | pH Units | 1 | 8.40 | | | 1.68 | 20 | |
| Batch AG64047 - General Preparation | | | | | | | | | | |
| Duplicate (AG64047-DUP1) | Sou | rce: 16G247 | 4-02 | Prepared & | Prepared & Analyzed: 07/28/16 | | | | | |
| Specific Conductance (EC) | 45600 | 20 | umhos/cm | | 45000 | | | 1.32 | 5 | |
| Batch AG64054 - General Preparation | | | | | | | | | | |
| Duplicate (AG64054-DUP1) | Source: 16G2520-01 Pr | | Prepared & | Analyzed: | 08/02/16 | | | | | |
| Bicarbonate | 396 | 5.0 | mg/L | | 390 | | | 1.55 | 20 | |
| Hydroxide Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Carbonate Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Total Alkalinity as CaCO3 | 325 | 5.0 | mg/L | | 320 | | | 1.55 | 20 | |
| Bicarbonate Alkalinity as CaCO3 | 325 | 5.0 | mg/L | | 320 | | | 1.55 | 20 | |
| Batch AH63129 - General Preparation | | | | | | | | | | |
| Blank (AH63129-BLK1) | | | | Prepared: (| 08/01/16 A | nalyzed: 08/ | 04/16 | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AH63129-DUP1) | Sou | rce: 16G223 | 4-02 | Prepared: (| 08/01/16 A | nalyzed: 08/ | 04/16 | | | |
| Total Suspended Solids | 287 | 1.0 | mg/L | | 284 | | | 1.25 | 30 | |
| Duplicate (AH63129-DUP2) | Sou | rce: 16G245 | 0-03 | Prepared: 08/01/16 Analyzed: 08/04/16 | | | 04/16 | | | |
| Total Suspended Solids | 279 | 1.0 | mg/L | | 262 | | | 6.04 | 30 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/12/16 08:40 |

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--|--------------|---|-------------|-------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63169 - General Preparation | | | | | | | | | | |
| Blank (AH63169-BLK1) | | | | Prepared: (| 08/01/16 A | nalyzed: 08 | /05/16 | | | |
| Volatile Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AH63169-DUP1) | Sou | rce: 16H002 | 7-01 | Prepared: (| 08/01/16 A | nalyzed: 08 | /05/16 | | | |
| Volatile Suspended Solids | 444 | 1.0 | mg/L | | 429 | | | 3.51 | 30 | |
| Duplicate (AH63169-DUP2) | Sou | ırce: 16H002 | rting Spike Sour Limit Units Level Resu Prepared: 08/01/10 1.0 mg/L 3H0027-01 Prepared: 08/01/10 1.0 mg/L 429 3H0027-02 Prepared: 08/01/10 1.0 mg/L 309 Prepared: 08/01/10 10 mg/L 13: 3G2404-01 Prepared: 08/01/10 10 mg/L 13: 3H0110-02 Prepared: 08/01/10 10 mg/L 54. Prepared: 07/28/10 | 08/01/16 A | nalyzed: 08 | /05/16 | | | | |
| Volatile Suspended Solids | 282 | 1.0 | mg/L | | 309 | | | 9.17 | 30 | |
| Batch AH63187 - General Preparation | | | | | | | | | | |
| Blank (AH63187-BLK1) | | | | Prepared: (| 08/01/16 A | nalyzed: 08 | /04/16 | | | |
| Total Dissolved Solids | ND | 10 | mg/L | | | | | | | |
| Duplicate (AH63187-DUP1) | Sou | rce: 16G240 | 4-01 | Prepared: (| 08/01/16 A | nalyzed: 08 | /04/16 | | | |
| Total Dissolved Solids | 129 | 10 | mg/L | | 135 | | | 4.55 | 15 | |
| Duplicate (AH63187-DUP2) | Reporting St Result Limit Units La ND 1.0 mg/L Prep Source: 16H0027-01 Prep 444 1.0 mg/L Prep 282 1.0 mg/L Prep 282 1.0 mg/L Prep ND 10 mg/L Prep ND 10 mg/L Prep Source: 16G2404-01 Prep 129 10 mg/L Prep 52.0 10 mg/L Prep MD 5.0 mg/L Prep ND 5.0 mg/L Prep | Prepared: (| 08/01/16 A | nalyzed: 08 | /04/16 | | | | | |
| Total Dissolved Solids | 52.0 | 10 | mg/L | | 54.0 | | | 3.77 | 15 | |
| Batch AH63209 - General Preparation | | | | | | | | | | |
| Blank (AH63209-BLK1) | | | | Prepared: (| 07/28/16 A | nalyzed: 08 | /02/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| Blank (AH63209-BLK2) | | | | Prepared: (| 07/28/16 A | nalyzed: 08 | /02/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/12/16 08:40 |

| | Reporting | | | Spike | Source | | %REC RPD | | | |
|-------------------------------------|-----------------------|-------------|-------|-------------------------------|------------|-------------|----------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63209 - General Preparation | | | | | | | | | | |
| LCS (AH63209-BS1) | | | | Prepared: (| 07/27/16 A | nalyzed: 08 | /01/16 | | | |
| Biochemical Oxygen Demand | 218 | 5.0 | mg/L | 200 | | 109 | 84-115 | | | |
| Duplicate (AH63209-DUP1) | Source: 16G2292-02 Pr | | | Prepared: (| 07/28/16 A | nalyzed: 08 | /02/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | 42.0 | | | | 30 | |
| Batch AH63234 - General Preparation | | | | | | | | | | |
| Blank (AH63234-BLK1) | | | | Prepared 8 | Analyzed: | 08/03/16 | | | | |
| Silica | ND | 1.0 | mg/L | | | | | | | |
| LCS (AH63234-BS1) | | | | Prepared & | Analyzed: | 08/03/16 | | | | |
| Silica | 9.74 | 1.0 | mg/L | 10.0 | | 97.4 | 85-115 | | | |
| LCS Dup (AH63234-BSD1) | | | | Prepared & Analyzed: 08/03/16 | | | | | | |
| Silica | 9.74 | 1.0 | mg/L | 10.0 | | 97.4 | 85-115 | 0.00 | 20 | |
| Duplicate (AH63234-DUP1) | Sou | rce: 16G252 | 6-02 | Prepared 8 | Analyzed: | 08/03/16 | | | | |
| Silica | 15.3 | 5.0 | mg/L | | 15.3 | | | 0.00 | 20 | |
| Matrix Spike (AH63234-MS1) | Sou | rce: 16G252 | 6-02 | Prepared & | Analyzed: | 08/03/16 | | | | |
| Silica | 38.7 | 5.0 | mg/L | 25.0 | 15.3 | 93.5 | 80-120 | | | |
| Matrix Spike Dup (AH63234-MSD1) | Sou | rce: 16G252 | 6-02 | Prepared & | Analyzed: | 08/03/16 | | | | |
| Silica | 39.3 | 5.0 | mg/L | 25.0 | 15.3 | 95.9 | 80-120 | 1.54 | 20 | |
| Batch AH63270 - General Prep | | | | | | | | | | |
| Blank (AH63270-BLK1) | | | | Prepared & | Analyzed: | 08/04/16 | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/12/16 08:40 |

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|-------------|-------|-----------------|------------|-------------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63270 - General Prep | | | | | | | | | | |
| LCS (AH63270-BS1) | | | | Prepared & | Analyzed: | 08/04/16 | | | | |
| Phosphorus, total | 0.193 | 0.040 | mg/L | 0.200 96.3 85-1 | | | | | | |
| Duplicate (AH63270-DUP1) | Sou | rce: 16G228 | 8-01 | Prepared & | Analyzed: | 08/04/16 | | | | |
| Phosphorus, total | 5.65 | 2.0 | mg/L | | 5.65 | | | 0.00 | 20 | |
| Matrix Spike (AH63270-MS1) | Sou | rce: 16G228 | 8-01 | Prepared & | Analyzed: | 08/04/16 | | | | |
| Phosphorus, total | 6.96 | 2.0 | mg/L | 2.00 | 5.65 | 65.3 | 70-130 | | | QM-4X |
| Matrix Spike Dup (AH63270-MSD1) | Sou | rce: 16G228 | 8-01 | Prepared & | Analyzed: | 08/04/16 | | | | |
| Phosphorus, total | 6.89 | 2.0 | mg/L | 2.00 | 5.65 | 62.0 | 70-130 | 0.939 | 20 | QM-4X |
| Batch AH63297 - Metals Digest | | | | | | | | | | |
| Blank (AH63297-BLK1) | | | | Prepared: (| 08/04/16 A | nalyzed: 08 | /08/16 | | | |
| Hardness, Total | ND | 5 | mg/L | | | | | | | |
| Duplicate (AH63297-DUP1) | Sou | rce: 16G241 | 4-01 | Prepared: (| 08/04/16 A | nalyzed: 08 | /09/16 | | | |
| Hardness, Total | 102 | 5 | mg/L | | 107 | | | 4.25 | 20 | |
| Batch AH63428 - General Prep | | | | | | | | | | |
| LCS (AH63428-BS1) | | | | Prepared & | Analyzed: | 08/09/16 | | | | |
| Total Kjeldahl Nitrogen | 3.04 | 1.0 | mg/L | 2.98 | | 102 | 80-120 | | | |
| LCS Dup (AH63428-BSD1) | | | | Prepared & | Analyzed: | 08/09/16 | | | | |
| Total Kjeldahl Nitrogen | 3.04 | 1.0 | mg/L | 2.98 | | 102 | 80-120 | 0.00 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/12/16 08:40 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Snike | Source | | %REC | | RPD | | |
|-------------------------------------|--------|------------|-------|---------------------------------------|------------|-------------|--------|------|-------|------|--|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag | |
| Batch AH63428 - General Prep | | | | | | | | | | | |
| Matrix Spike (AH63428-MS1) | Sour | ce: 16G243 | 0-01 | Prepared: (| 08/09/16 A | nalyzed: 08 | /10/16 | | | | |
| Total Kjeldahl Nitrogen | 69.4 | 1.0 | mg/L | 22.6 | 42.7 | 118 | 75-125 | | | | |
| Matrix Spike Dup (AH63428-MSD1) | Sour | ce: 16G243 | 0-01 | Prepared: 08/09/16 Analyzed: 08/10/16 | | | | | | | |
| Total Kjeldahl Nitrogen | 70.0 | 1.0 | mg/L | 22.6 | 42.7 | 121 | 75-125 | 1.00 | 20 | | |
| Batch AH63429 - General Preparation | | | | | | | | | | | |
| Blank (AH63429-BLK1) | | | | Prepared & Analyzed: 08/09/16 | | | | | | | |
| Ammonia as NH3 | ND | 0.50 | mg/L | | | | | | | | |
| LCS (AH63429-BS1) | | | | Prepared & | Analyzed: | 08/09/16 | | | | | |
| Ammonia as NH3 | 5.75 | 0.50 | mg/L | 6.10 | | 94.2 | 90-110 | | | | |
| LCS Dup (AH63429-BSD1) | | | | Prepared & | Analyzed: | 08/09/16 | | | | | |
| Ammonia as NH3 | 6.07 | 0.50 | mg/L | 6.10 | | 99.5 | 90-110 | 5.40 | 10 | | |
| Matrix Spike (AH63429-MS1) | Sour | ce: 16G248 | 0-03 | Prepared & | Analyzed: | 08/10/16 | | | | | |
| Ammonia as NH3 | 5.75 | 0.50 | mg/L | 6.10 | ND | 94.2 | 85-115 | | | | |
| Matrix Spike Dup (AH63429-MSD1) | Sour | ce: 16G248 | 0-03 | Prepared & | Analyzed: | 08/10/16 | | | | | |
| Ammonia as NH3 | 5.75 | 0.50 | mg/L | 6.10 | ND | 94.2 | 85-115 | 0.00 | 20 | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/12/16 08:40 |

Anions by EPA Method 300.0 - Quality Control

| Analyta(s) | Pecult | Reporting | Unite | Spike Level | Source | %PEC | %REC | רוסק | RPD Limit | Flag |
|--|--------|---------------|-------|----------------|-----------|----------|---------|------|--------------|------|
| Anaryu(s) | Kesuit | Liiiit | Onits | Level | Kesuit | /0KEC | Lillins | KI D | Liiiit | Tiug |
| Batch AG64017 - General Preparation | | | | | | | | | | |
| Blank (AG64017-BLK1) | | | | Prepared & | Analyzed: | 07/28/16 | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | | | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | | | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | | | | | | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | | | | | | |
| Chloride | ND | 0.50 | mg/L | | | | | | | |
| LCS (AG64017-BS1) | | | | Prepared & | Analyzed: | 07/28/16 | | | | |
| Nitrate as N | 5.65 | 0.20 | mg/L | 5.56 | | 102 | 90-110 | | | |
| Nitrate as NO3 | 25 | 1.0 | mg/L | 24.7 | | 101 | 90-110 | | | |
| Nitrite as NO2 | 18.7 | 1.0 | mg/L | 18.2 | | 102 | 90-110 | | | |
| Nitrite as N | 5.67 | 0.20 | mg/L | 5.56 | | 102 | 90-110 | | | |
| Sulfate as SO4 | 22.1 | 0.50 | mg/L | 22.2 | | 99.3 | 90-110 | | | |
| Chloride | 11.4 | 0.50 | mg/L | 11.1 | | 103 | 90-110 | | | |
| Duplicate (AG64017-DUP1) | So | urce: 16G2429 | 9-01 | Prepared & | Analyzed: | 07/28/16 | | | | |
| Chloride | 4.22 | 0.50 | mg/L | | 4.31 | | | 2.23 | 20 | |
| Nitrite as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Nitrate as N | ND | 0.20 | mg/L | | ND | | | 9.48 | 20 | |
| Sulfate as SO4 | 1.11 | 0.50 | mg/L | | 1.13 | | | 1.87 | 20 | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | ND | | | 9.48 | 20 | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Matrix Spike (AG64017-MS1) | So | urce: 16G2429 | 9-01 | Prepared & | Analyzed: | 07/28/16 | | | | |
| Nitrate as N | 6.06 | 0.20 | mg/L | 5.56 | ND | 108 | 80-120 | | | |
| Nitrate as NO3 | 27 | 1.0 | mg/L | 24.7 | ND | 108 | 80-120 | | | |
| Sulfate as SO4 | 24.1 | 0.50 | mg/L | 22.2 | 1.13 | 103 | 80-120 | | | |
| Chloride | 16.1 | 0.50 | mg/L | 11.1 | 4.31 | 106 | 80-120 | | | |
| Nitrite as NO2 | 18.1 | 1.0 | mg/L | 18.2 | ND | 99.2 | 80-120 | | | |
| Nitrite as N | 5.49 | 0.20 | mg/L | 5.56 | ND | 98.9 | 80-120 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/12/16 08:40 |

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 AG64017 - General Preparation | | | | | | | | | | |
| Matrix Spike (AG64017-MS2) | Source: 16G2404-01 Prepared & Analyzed: 07/28/16 | | | | | | | | | |
| Nitrate as N | 5.89 | 0.20 | mg/L | 5.56 | ND | 103 | 80-120 | | | |
| Nitrite as NO2 | 19.2 | 1.0 | mg/L | 18.2 | ND | 104 | 80-120 | | | |
| Sulfate as SO4 | 35.6 | 0.50 | mg/L | 22.2 | 12.7 | 103 | 80-120 | | | |
| Nitrate as NO3 | 26 | 1.0 | mg/L | 24.7 | ND | 103 | 80-120 | | | |
| Nitrite as N | 5.82 | 0.20 | mg/L | 5.56 | ND | 104 | 80-120 | | | |
| Chloride | 15.9 | 0.50 | mg/L | 11.1 | 4.50 | 102 | 80-120 | | | |
| Matrix Spike Dup (AG64017-MSD1) | Sou | urce: 16G2429 | 9-01 | Prepared & | Analyzed: | 07/28/16 | | | | |
| Sulfate as SO4 | 23.9 | 0.50 | mg/L | 22.2 | 1.13 | 102 | 80-120 | 0.912 | 20 | |
| Nitrate as N | 6.08 | 0.20 | mg/L | 5.56 | ND | 108 | 80-120 | 0.306 | 20 | |
| Chloride | 16.0 | 0.50 | mg/L | 11.1 | 4.31 | 106 | 80-120 | 0.111 | 20 | |
| Nitrite as NO2 | 17.8 | 1.0 | mg/L | 18.2 | ND | 97.8 | 80-120 | 1.39 | 20 | |
| Nitrite as N | 5.42 | 0.20 | mg/L | 5.56 | ND | 97.5 | 80-120 | 1.39 | 20 | |
| Nitrate as NO3 | 27 | 1.0 | mg/L | 24.7 | ND | 108 | 80-120 | 0.306 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/12/16 08:40 |

Notes and Definitions

- 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.
- 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

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ELAP Certificates 1551, 2728, and 2922

15 August 2016

West Bay Sanitary District Attn: John Simonetti 500 Laurel Street Menlo Park, CA 94025 RE: WQ Monitoring Work Order: 16G2526

Enclosed are the results of analyses for samples received by the laboratory on 07/28/16 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Popli

Jeanette L. Poplin For Robbie C. Phillips Project Manager



e-mail: clientservices @alpha-labs.com

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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/15/16 11:49 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| G13104 / 072716A | 16G2526-01 | Water | 07/28/16 09:40 | 07/28/16 21:00 |
| G13220 / 072716B | 16G2526-02 | Water | 07/28/16 10:15 | 07/28/16 21:00 |
| G13223 / 072716C | 16G2526-03 | Water | 07/28/16 09:15 | 07/28/16 21:00 |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Pro | oject Manager: Jol Project: WC oject Number: [no | nn Simo Monito ne] | netti ring | | | Re 08/15/1 | ≱ported: 6 11:49 |
|---|---------------|--|--------------------------|---------------|----------------|-------------------|---------------|---------------------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13104 / 072716A (16G2526-01) | | Sample Type: | : Water | | Sample | d: 07/28/16 09:40 | | |
| Metals (Drinking Water) by EPA 200 Series M | lethods | | | | - | | | |
| Potassium | 18 mg/L | 1.0 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:27 | EPA 200.7 | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 0.50 mg/L | 0.050 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:27 | EPA 200.7 | |
| Boron | 0.23 mg/L | 0.050 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:27 | EPA 200.7 | |
| Calcium | 16 mg/L | 1.0 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:27 | EPA 200.7 | |
| Iron | 1.3 mg/L | 0.10 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:27 | EPA 200.7 | |
| Magnesium | 6.6 mg/L | 1.0 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:27 | EPA 200.7 | |
| Manganese | 0.050 mg/L | 0.020 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:27 | EPA 200.7 | |
| Sodium | 48 mg/L | 1.0 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:27 | EPA 200.7 | |
| Zinc | 0.19 mg/L | 0.020 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:27 | EPA 200.7 | |
| Conventional Chemistry Parameters by APH | A/EPA Methods | | | | | | | |
| Ammonia as NH3 | 60 mg/L | 0.50 | 1 | AH63531 | 08/11/16 08:17 | 08/11/16 17:00 | SM4500NH3C | |
| Bicarbonate | 280 mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Biochemical Oxygen Demand | 360 mg/L | 5.0 | 1 | AH63258 | 07/29/16 14:00 | 08/03/16 12:30 | SM5210B | |
| рН | 7.21 pH Uni | its 1.68 | 1 | AG64056 | 07/28/16 19:00 | 07/28/16 19:00 | SM4500-H+ B | T-1 |
| Specific Conductance (EC) | 770 umhos/ | cm 20 | 1 | AH63143 | 07/29/16 16:00 | 07/29/16 17:00 | SM2510B | |
| Total Dissolved Solids | 370 mg/L | 10 | 1 | AH63278 | 08/04/16 11:30 | 08/05/16 16:44 | SM2540C | |
| Total Suspended Solids | 300 mg/L | 1.0 | 1 | AH63277 | 08/04/16 08:24 | 08/05/16 12:04 | SM2540D | |
| Volatile Suspended Solids | 280 mg/L | 1.0 | 1 | AH63169 | 08/01/16 15:18 | 08/05/16 17:16 | EPA 160.4 | |
| Silica | 19 mg/L | 5.0 | 5 | AH63234 | 08/03/16 10:00 | 08/03/16 12:45 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 230 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 | 230 mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Total Kjeldahl Nitrogen | 59 mg/L | 1.0 | 1 | AH63467 | 08/10/16 06:29 | 08/11/16 11:59 | SM4500-Norg B | |
| Total Nitrogen | 59 mg/L | 1.0 | 1 | AH63266 | 08/03/16 15:40 | 08/11/16 15:46 | SM4500-N | |
| Hardness, Total | 66 mg/L | 5 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:27 | SM2340B | |
| Phosphorus, total | 7.5 mg/L | 2.0 | 5 | AH63370 | 08/08/16 10:30 | 08/08/16 12:59 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj | 08/ | Reported: 15/16 11:49 | | | | | |
|---|--------------|-----------------|--------------------------|---------|-------------------------|-------------------|-----------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13104 / 072716A (16G2526-01) | | Sample Type: | : Water | | Sample | d: 07/28/16 09:40 | | |
| Miscellaneous Physical/Conventional Chemistr | y Parameters | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.78 NA | | 1 | AH63301 | 08/04/16 12:16 | 08/15/16 06:45 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 57 mg/L | 5.0 | 10 | AG64043 | 07/29/16 12:39 | 07/29/16 12:39 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG64043 | 07/29/16 12:56 | 07/29/16 12:56 | EPA 300.0 | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG64043 | 07/29/16 12:56 | 07/29/16 12:56 | EPA 300.0 | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG64043 | 07/29/16 12:56 | 07/29/16 12:56 | EPA 300.0 | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG64043 | 07/29/16 12:56 | 07/29/16 12:56 | EPA 300.0 | |
| Sulfate as SO4 | 21 mg/L | 0.50 | 1 | AG64043 | 07/29/16 12:56 | 07/29/16 12:56 | EPA 300.0 | |
| G13220 / 072716B (16G2526-02) | | Sample Type: | : Water | | Sampled: 07/28/16 10:15 | | | |
| Metals (Drinking Water) by EPA 200 Series Mo | ethods | | | | - | | | |
| Potassium | 15 mg/L | 1.0 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:32 | EPA 200.7 | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 0.93 mg/L | 0.050 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:32 | EPA 200.7 | |
| Boron | 0.21 mg/L | 0.050 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:32 | EPA 200.7 | |
| Calcium | 19 mg/L | 1.0 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:32 | EPA 200.7 | |
| Iron | 2.1 mg/L | 0.10 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:32 | EPA 200.7 | |
| Magnesium | 10 mg/L | 1.0 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:32 | EPA 200.7 | |
| Manganese | 0.059 mg/L | 0.020 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:32 | EPA 200.7 | |
| Sodium | 45 mg/L | 1.0 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:32 | EPA 200.7 | |
| Zinc | 0.20 mg/L | 0.020 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:32 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | | Project Manager: Jol Project: WC Project Number: [no | hn Simor ຊ Monitor ne] | netti ring | | | R 08/15/ [/] | eported: 16 11:49 |
|---|---------------|--|------------------------------|---------------|----------------|-------------------|--------------------------|----------------------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13220 / 072716B (16G2526-02) | | Sample Type | : Water | | Sample | d: 07/28/16 10:15 | | |
| Conventional Chemistry Parameters by APHA | /EPA Methods | | | | | | | |
| Ammonia as NH3 | 62 mg | /L 0.50 | 1 | AH63531 | 08/11/16 08:17 | 08/11/16 17:00 | SM4500NH3C | |
| Bicarbonate | 270 mg | /L 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Biochemical Oxygen Demand | 260 mg | /L 5.0 | 1 | AH63258 | 07/29/16 14:00 | 08/03/16 12:30 | SM5210B | |
| рН | 7.16 pH | Units 1.68 | 1 | AG64056 | 07/28/16 19:00 | 07/28/16 19:00 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 840 um | nhos/cm 20 | 1 | AH63143 | 07/29/16 16:00 | 07/29/16 17:00 | SM2510B | |
| Total Dissolved Solids | 450 mg | ;/L 10 | 1 | AH63278 | 08/04/16 11:30 | 08/05/16 16:44 | SM2540C | |
| Total Suspended Solids | 260 mg | z/L 1.0 | 1 | AH63277 | 08/04/16 08:24 | 08/05/16 12:04 | SM2540D | |
| Volatile Suspended Solids | 230 mg | z/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 | 220 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 | 220 mg | z/L 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Total Kjeldahl Nitrogen | 57 mg | z/L 1.0 | 1 | AH63467 | 08/11/16 06:29 | 08/11/16 11:59 | SM4500-Norg B | |
| Total Nitrogen | 57 mg | z/L 1.0 | 1 | AH63266 | 08/03/16 15:40 | 08/11/16 15:46 | SM4500-N | |
| Hardness, Total | 91 mg | z/L 5 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:32 | SM2340B | |
| Phosphorus, total | 7.6 mg | /L 2.0 | 5 | AH63370 | 08/08/16 10:30 | 08/08/16 12:59 | SM4500-P E | |
| Miscellaneous Physical/Conventional Chemist | ry Parameters | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.25 NA | L Contraction of the second seco | 1 | AH63301 | 08/04/16 12:16 | 08/15/16 06:45 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 61 mg | ./L 10 | 20 | AG64043 | 07/29/16 13:44 | 07/29/16 13:44 | EPA 300.0 | |
| Nitrate as N | ND mg | /L 0.20 | 1 | AG64043 | 07/29/16 14:00 | 07/29/16 14:00 | EPA 300.0 | |
| Nitrate as NO3 | ND mg/ | /L 1.0 | 1 | AG64043 | 07/29/16 14:00 | 07/29/16 14:00 | EPA 300.0 | |
| Nitrite as N | ND mg/ | /L 0.20 | 1 | AG64043 | 07/29/16 14:00 | 07/29/16 14:00 | EPA 300.0 | |
| Nitrite as NO2 | ND mg/ | /L 1.0 | 1 | AG64043 | 07/29/16 14:00 | 07/29/16 14:00 | EPA 300.0 | |
| Sulfate as SO4 | 46 mg | /L 10 | 20 | AG64043 | 07/29/16 13:44 | 07/29/16 13:44 | EPA 300.0 | |
| G13223 / 072716C (16G2526-03) | | Sample Type | : Water | | Sample | d: 07/28/16 09:15 | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | |
| Potassium | 17 mg | e/L 1.0 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:36 | EPA 200.7 | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proje Proje | ct Manager: Jol Project: WC ect Number: [no | nn Simor Q Monitor ne] | netti ring | | | Re 08/15/1 | ported: 6 11:49 |
|---|----------------|---|------------------------------|---------------|----------------|-------------------|---------------|--------------------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 072716C (16G2526-03) | | Sample Type | : Water | | Sample | d: 07/28/16 09:15 | | |
| Metals by EPA 200 Series Methods | | | | | | | | |
| Aluminum | 0.55 mg/L | 0.050 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:36 | EPA 200.7 | |
| Boron | 0.23 mg/L | 0.050 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:36 | EPA 200.7 | |
| Calcium | 19 mg/L | 1.0 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:36 | EPA 200.7 | |
| Iron | 1.6 mg/L | 0.10 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:36 | EPA 200.7 | |
| Magnesium | 5.3 mg/L | 1.0 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:36 | EPA 200.7 | |
| Manganese | 0.075 mg/L | 0.020 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:36 | EPA 200.7 | |
| Sodium | 41 mg/L | 1.0 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:36 | EPA 200.7 | |
| Zinc | 0.24 mg/L | 0.020 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:36 | EPA 200.7 | |
| Conventional Chemistry Parameters by APHA | FPA Methods | | | | | | | |
| Ammonio os NH3 | 57 mg/l | 0.50 | 1 | AH63531 | 08/11/16 08:17 | 08/11/16 17:00 | SM4500NH3C | |
| Ricarbonate | 260 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 14:00 | 08/03/16 12:30 | SM5210B | |
| nH | 7 19 nH Units | 1.68 | 1 | AG64056 | 07/28/16 19:00 | 07/28/16 19:00 | SM4500-H+ B | T-14 |
| Specific Conductance (EC) | 790 umbos/cm | 20 | 1 | AH63143 | 07/29/16 16:00 | 07/29/16 17:00 | SM2510B | |
| Total Dissolved Solids | 500 mg/L | 10 | 1 | AH63278 | 08/04/16 11:30 | 08/05/16 16:44 | SM2540C | |
| Total Suspended Solids | 130 mg/L | 1.0 | 1 | AH63277 | 08/04/16 08:24 | 08/05/16 12:04 | SM2540D | |
| Volatile Suspended Solids | 120 mg/L | 1.0 | 1 | AH63169 | 08/01/16 15:18 | 08/05/16 17:16 | EPA 160 4 | |
| Silica | 16 mg/L | 5.0 | 5 | AH63234 | 08/03/16 10:00 | 08/03/16 12:45 | SM4500-SiO2 C | |
| Bicarbonate Alkalinity as CaCO3 | 210 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 | 210 mg/L | 5.0 | 1 | AH63151 | 08/04/16 08:00 | 08/04/16 17:00 | SM2320B | |
| Total Kjeldahl Nitrogen | 49 mg/L | 1.0 | 1 | AH63467 | 08/11/16 06:29 | 08/11/16 11:59 | SM4500-Norg B | |
| Total Nitrogen | 49 mg/L | 1.0 | 1 | AH63266 | 08/03/16 15:40 | 08/11/16 15:46 | SM4500-N | |
| Hardness, Total | 70 mg/L | 5 | 1 | AH63301 | 08/04/16 12:16 | 08/11/16 20:36 | SM2340B | |
| Phosphorus, total | 5.7 mg/L | 2.0 | 5 | AH63370 | 08/08/16 10:30 | 08/08/16 12:59 | SM4500-P E | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj | Reported: 08/15/16 11:49 | | | | | | |
|---|---------------|-----------------------------|-------------------|---------|----------------|----------------|-----------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 072716C (16G2526-03) | | Sample Type: | d: 07/28/16 09:15 | | | | | |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 2.35 NA | | 1 | AH63301 | 08/04/16 12:16 | 08/15/16 06:45 | SAR | |
| Anions by EPA Method 300.0 | | | | | | | | |
| Chloride | 64 mg/L | 10 | 20 | AG64043 | 07/29/16 14:16 | 07/29/16 14:16 | EPA 300.0 | |
| Nitrate as N | ND mg/L | 0.20 | 1 | AG64043 | 07/29/16 14:33 | 07/29/16 14:33 | EPA 300.0 | |
| Nitrate as NO3 | ND mg/L | 1.0 | 1 | AG64043 | 07/29/16 14:33 | 07/29/16 14:33 | EPA 300.0 | |
| Nitrite as N | ND mg/L | 0.20 | 1 | AG64043 | 07/29/16 14:33 | 07/29/16 14:33 | EPA 300.0 | |
| Nitrite as NO2 | ND mg/L | 1.0 | 1 | AG64043 | 07/29/16 14:33 | 07/29/16 14:33 | EPA 300.0 | |
| Sulfate as SO4 | 30 mg/L | 0.50 | 1 | AG64043 | 07/29/16 14:33 | 07/29/16 14:33 | EPA 300.0 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/15/16 11:49 |

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

| Analyte(s) | Result | Reporting | Units | Spike Level | Source Result | %REC | %REC | RPD | RPD Limit | Flag |
|---------------------------------|--------------------|--------------|-------------|---------------------------------------|------------------|-------------|--------|------|--------------|------|
| / maryte(s) | Result | Linnt | Onits | Level | Result | /0ICLC | Linits | МЪ | Linit | 1 |
| Batch AH63301 - Metals Digest | | | | | | | | | | |
| Blank (AH63301-BLK1) | | | | Prepared: 0 | 8/04/16 Ai | nalyzed: 08 | /11/16 | | | |
| Potassium | ND | 1.0 | mg/L | | | | | | | |
| LCS (AH63301-BS1) | | | | Prepared: 0 | 8/04/16 Ai | nalyzed: 08 | /11/16 | | | |
| Potassium | 6.87 | 1.0 | mg/L | 8.00 | | 85.8 | 85-115 | | | |
| Duplicate (AH63301-DUP1) | Source: 16G2608-01 | | Prepared: 0 | 8/04/16 Ai | nalyzed: 08 | | | | | |
| Potassium | ND | 1.0 | mg/L | | ND | | | 4.43 | 20 | |
| Matrix Spike (AH63301-MS1) | Sou | rce: 16G2608 | 3-01 | Prepared: 0 | 8/04/16 Ai | nalyzed: 08 | /11/16 | | | |
| Potassium | 7.66 | 1.0 | mg/L | 8.00 | ND | 87.0 | 70-130 | | | |
| Matrix Spike (AH63301-MS2) | Sou | rce: 16G2627 | 7-01 | Prepared: 0 | 8/04/16 Ai | nalyzed: 08 | /11/16 | | | |
| Potassium | 9.33 | 1.0 | mg/L | 8.00 | 2.87 | 80.8 | 70-130 | | | |
| Matrix Spike Dup (AH63301-MSD1) | Sou | rce: 16G2608 | 3-01 | Prepared: 08/04/16 Analyzed: 08/11/16 | | | | | | |
| Potassium | 7.80 | 1.0 | mg/L | 8.00 | ND | 88.9 | 70-130 | 1.90 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/15/16 11:49 |

Metals by EPA 200 Series Methods - Quality Control

| | Desult | Reporting | T.T | Spike | Source | 0/DEC | %REC | DDD | RPD Limit | Flag |
|-------------------------------|--------|----------------|-------|-------------|---------------------------------------|-------------|--------|-------|--------------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63301 - Metals Digest | | | | | | | | | | |
| Blank (AH63301-BLK1) | | | | Prepared: 0 | 8/04/16 An | alyzed: 08/ | /11/16 | | | |
| 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 (AH63301-BS1) | | | | Prepared: 0 | 8/04/16 An | alyzed: 08 | /11/16 | | | |
| Aluminum | 1.89 | 0.050 | mg/L | 2.00 | | 94.6 | 85-115 | | | |
| Boron | 0.404 | 0.050 | mg/L | 0.400 | | 101 | 85-115 | | | |
| Calcium | 7.97 | 1.0 | mg/L | 8.00 | | 99.6 | 85-115 | | | |
| Iron | 1.93 | 0.10 | mg/L | 2.00 | | 96.5 | 85-115 | | | |
| Magnesium | 8.13 | 1.0 | mg/L | 8.00 | | 102 | 85-115 | | | |
| Manganese | 0.197 | 0.020 | mg/L | 0.200 | | 98.7 | 85-115 | | | |
| Sodium | 7.44 | 1.0 | mg/L | 8.00 | | 93.0 | 85-115 | | | |
| Zinc | 0.205 | 0.020 | mg/L | 0.200 | | 102 | 85-115 | | | |
| Duplicate (AH63301-DUP1) | So | ource: 16G2608 | 3-01 | Prepared: 0 | Prepared: 08/04/16 Analyzed: 08/11/16 | | | | | |
| Aluminum | ND | 0.050 | mg/L | | ND | | | 2.59 | 20 | |
| Boron | 0.107 | 0.050 | mg/L | | 0.100 | | | 6.94 | 20 | |
| Calcium | 26.4 | 1.0 | mg/L | | 26.4 | | | 0.172 | 20 | |
| Iron | ND | 0.10 | mg/L | | ND | | | 2.24 | 20 | |
| Magnesium | 14.8 | 1.0 | mg/L | | 14.9 | | | 0.528 | 20 | |
| Manganese | ND | 0.020 | mg/L | | ND | | | 2.16 | 20 | |
| Sodium | 13.7 | 1.0 | mg/L | | 13.8 | | | 0.619 | 20 | |
| Zinc | ND | 0.020 | mg/L | | ND | | | 1.65 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/15/16 11:49 |

Metals by EPA 200 Series Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|---------------|-------|---------------------------------------|-------------|-------------|--------|------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63301 - Metals Digest | | | | | | | | | | |
| Matrix Spike (AH63301-MS1) | S | ource: 16G260 | 8-01 | Prepared: (| 08/04/16 Ai | nalyzed: 08 | /11/16 | | | |
| Aluminum | 1.92 | 0.050 | mg/L | 2.00 | ND | 93.8 | 70-130 | | | |
| Boron | 0.500 | 0.050 | mg/L | 0.400 | 0.100 | 99.8 | 70-130 | | | |
| Calcium | 35.3 | 1.0 | mg/L | 8.00 | 26.4 | 111 | 70-130 | | | |
| Iron | 1.93 | 0.10 | mg/L | 2.00 | ND | 95.1 | 70-130 | | | |
| Magnesium | 22.0 | 1.0 | mg/L | 8.00 | 14.9 | 88.9 | 70-130 | | | |
| Manganese | 0.200 | 0.020 | mg/L | 0.200 | ND | 96.0 | 70-130 | | | |
| Sodium | 20.5 | 1.0 | mg/L | 8.00 | 13.8 | 83.9 | 70-130 | | | |
| Zinc | 0.205 | 0.020 | mg/L | 0.200 | ND | 98.3 | 70-130 | | | |
| | | _ | | _ | | | | | | |
| Matrix Spike (AH63301-MS2) | S | ource: 16G262 | 7-01 | Prepared: (| 08/04/16 Ai | nalyzed: 08 | /11/16 | | | |
| Aluminum | 3.05 | 0.050 | mg/L | 2.00 | 0.937 | 106 | 70-130 | | | |
| Boron | 0.728 | 0.050 | mg/L | 0.400 | 0.324 | 101 | 70-130 | | | |
| Calcium | 17.4 | 1.0 | mg/L | 8.00 | 9.25 | 102 | 70-130 | | | |
| Iron | 6.53 | 0.10 | mg/L | 2.00 | 4.52 | 100 | 70-130 | | | |
| Magnesium | 15.2 | 1.0 | mg/L | 8.00 | 9.03 | 77.2 | 70-130 | | | |
| Manganese | 0.418 | 0.020 | mg/L | 0.200 | 0.223 | 97.5 | 70-130 | | | |
| Sodium | 14.1 | 1.0 | mg/L | 8.00 | 9.18 | 61.2 | 70-130 | | | QM-01 |
| Zinc | 0.206 | 0.020 | mg/L | 0.200 | ND | 97.4 | 70-130 | | | |
| Matrix Spike Dup (AH63301-MSD1) | S | ource: 16G260 | 8-01 | Prepared: 08/04/16 Analyzed: 08/11/16 | | | | | | |
| Aluminum | 1.99 | 0.050 | mg/L | 2.00 | ND | 97.5 | 70-130 | 3.80 | 20 | |
| Boron | 0.520 | 0.050 | mg/L | 0.400 | 0.100 | 105 | 70-130 | 4.02 | 20 | |
| Calcium | 36.3 | 1.0 | mg/L | 8.00 | 26.4 | 124 | 70-130 | 2.93 | 20 | |
| Iron | 2.01 | 0.10 | mg/L | 2.00 | ND | 98.8 | 70-130 | 3.85 | 20 | |
| Magnesium | 22.8 | 1.0 | mg/L | 8.00 | 14.9 | 98.2 | 70-130 | 3.32 | 20 | |
| Manganese | 0.208 | 0.020 | mg/L | 0.200 | ND | 100 | 70-130 | 4.06 | 20 | |
| Sodium | 21.0 | 1.0 | mg/L | 8.00 | 13.8 | 90.5 | 70-130 | 2.51 | 20 | |
| Zinc | 0.212 | 0.020 | mg/L | 0.200 | ND | 102 | 70-130 | 3.36 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/15/16 11:49 |

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|-------------|-------------|---------------------------------------|--------------|--------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64056 - General Preparation | | | | | | | | | | |
| Duplicate (AG64056-DUP1) | Sou | rce: 16G252 | 6-01 | Prepared & | Analyzed: | 07/28/16 | | | | |
| pH | 7.18 | 1.68 | pH Units | | 7.21 | | | 0.417 | 20 | |
| Batch AH63143 - General Preparation | | | | | | | | | | |
| Duplicate (AH63143-DUP1) | Sou | rce: 16G260 | 8-01 | Prepared & | Analyzed: | 07/29/16 | | | | |
| Specific Conductance (EC) | 333 | 20 | umhos/cm | | 336 | | | 0.897 | 5 | |
| Batch AH63151 - General Preparation | | | | | | | | | | |
| Duplicate (AH63151-DUP1) | Sou | rce: 16G253 | 7-07 | Prepared & Analyzed: 08/04/16 | | | | | | |
| Bicarbonate | 26.8 | 5.0 | mg/L | | 26.8 | | | 0.00 | 20 | |
| Carbonate Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Hydroxide Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Bicarbonate Alkalinity as CaCO3 | 22.0 | 5.0 | mg/L | | 22.0 | | | 0.00 | 20 | |
| Total Alkalinity as CaCO3 | 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 | | | 05/16 | | | |
| Volatile Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AH63169-DUP1) | Source: 16H0027-01 | | Prepared: (| 08/01/16 A | nalyzed: 08/ | 05/16 | | | | |
| Volatile Suspended Solids | 444 | 1.0 | mg/L | | 429 | | | 3.51 | 30 | |
| Duplicate (AH63169-DUP2) | Sou | rce: 16H002 | 7-02 | Prepared: (| 08/01/16 A | nalyzed: 08/ | 05/16 | | | |
| Volatile Suspended Solids | 282 | 1.0 | mg/L | | 309 | | | 9.17 | 30 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/15/16 11:49 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------------------|-------------|-------|---------------------------------------|-------------|----------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63234 - General Preparation | | | | | | | | | | |
| Blank (AH63234-BLK1) | | | | Prepared & | k Analyzed: | 08/03/16 | | | | |
| Silica | ND | 1.0 | mg/L | - | | | | | | |
| LCS (AH63234-BS1) | | | | Prepared & Analyzed: 08/03/16 | | | | | | |
| Silica | 9.74 | 1.0 | mg/L | 10.0 | | 97.4 | 85-115 | | | |
| LCS Dup (AH63234-BSD1) | | | | Prepared & | k Analyzed | 08/03/16 | | | | |
| Silica | 9.74 | 1.0 | mg/L | 10.0 | | 97.4 | 85-115 | 0.00 | 20 | |
| Duplicate (AH63234-DUP1) | Sou | rce: 16G252 | 6-02 | Prepared & | k Analyzed: | 08/03/16 | | | | |
| Silica | 15.3 | 5.0 | mg/L | | 15.3 | | | 0.00 | 20 | |
| Matrix Spike (AH63234-MS1) | Source: 16G2526-02 | | | Prepared & | k Analyzed: | 08/03/16 | | | | |
| Silica | 38.7 | 5.0 | mg/L | 25.0 | 15.3 | 93.5 | 80-120 | | | |
| Matrix Spike Dup (AH63234-MSD1) | Sou | rce: 16G252 | 6-02 | Prepared & | k Analyzed: | 08/03/16 | | | | |
| Silica | 39.3 | 5.0 | mg/L | 25.0 | 15.3 | 95.9 | 80-120 | 1.54 | 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 | | | | | | | |
| LCS (AH63258-BS1) | | | | Prepared: 07/27/16 Analyzed: 08/01/16 | | | | | | |
| Biochemical Oxygen Demand | 218 | 5.0 | mg/L | 200 | | 109 | 84-115 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/15/16 11:49 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | Reporting | | | Spike | Source | e %REC | | RPD | | |
|-------------------------------------|--------------------|-------------|-------------|---------------------------------------|-------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63258 - General Preparation | | | | | | | | | | |
| Duplicate (AH63258-DUP1) | Source: 16G2544-02 | | Prepared: (| 07/29/16 A | nalyzed: 08 | /03/16 | | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | ND | | | | 30 | |
| Batch AH63277 - General Preparation | | | | | | | | | | |
| Blank (AH63277-BLK1) | | | | Prepared: (| 08/04/16 A | nalyzed: 08 | /05/16 | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AH63277-DUP1) | Sou | rce: 16H002 | 7-01 | Prepared: (| 08/04/16 A | nalyzed: 08 | /05/16 | | | |
| Total Suspended Solids | 490 | 1.0 | mg/L | | 466 | | | 5.13 | 30 | |
| Duplicate (AH63277-DUP2) | Sou | rce: 16H002 | 7-02 | Prepared: (| 08/04/16 A | nalyzed: 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 | | | /05/16 | | | |
| Total Dissolved Solids | ND | 10 | mg/L | | | | | | | |
| Duplicate (AH63278-DUP1) | Sou | rce: 16G252 | 7-01 | Prepared: (| 08/04/16 A | nalyzed: 08 | /05/16 | | | |
| Total Dissolved Solids | 403 | 10 | mg/L | | 403 | | | 0.00 | 15 | |
| Duplicate (AH63278-DUP2) | Sou | rce: 16H012 | 7-03 | Prepared: 08/04/16 Analyzed: 08/08/16 | | | /08/16 | | | |
| Total Dissolved Solids | 506 | 10 | mg/L | | 500 | | | 1.19 | 15 | |
| Batch AH63301 - Metals Digest | | | | | | | | | | |
| Blank (AH63301-BLK1) | | | | Prepared: (| 08/04/16 A | nalyzed: 08 | /11/16 | | | |
| Hardness, Total | ND | 5 | mg/L | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/15/16 11:49 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|------------|-------|---------------------------------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63301 - Metals Digest | | | | | | | | | | |
| Duplicate (AH63301-DUP1) | Sou | ce: 16G260 | 8-01 | Prepared: 0 | 08/04/16 Au | nalyzed: 08 | /11/16 | | | |
| Hardness, Total | 127 | 5 | mg/L | | 127 | | | 0.343 | 20 | |
| Batch AH63370 - General Prep | | | | | | | | | | |
| Blank (AH63370-BLK1) | | | | Prepared & | Analyzed: | 08/08/16 | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | | | | | | |
| LCS (AH63370-BS1) | | | | Prepared & | Analyzed: | 08/08/16 | | | | |
| Phosphorus, total | 0.197 | 0.040 | mg/L | 0.200 | | 98.4 | 85-115 | | | |
| Duplicate (AH63370-DUP1) | Sou | ce: 16G248 | 0-01 | Prepared & | Analyzed: | 08/08/16 | | | | |
| Phosphorus, total | ND | 0.040 | mg/L | | ND | | | 4.46 | 20 | |
| Matrix Spike (AH63370-MS1) | Sou | ce: 16G248 | 0-01 | Prepared & | Analyzed: | 08/08/16 | | | | |
| Phosphorus, total | 0.210 | 0.040 | mg/L | 0.200 | ND | 89.6 | 70-130 | | | |
| Matrix Spike Dup (AH63370-MSD1) | Sou | ce: 16G248 | 0-01 | Prepared & | Analyzed: | 08/08/16 | | | | |
| Phosphorus, total | 0.214 | 0.040 | mg/L | 0.200 | ND | 91.6 | 70-130 | 1.92 | 20 | |
| Batch AH63467 - General Prep | | | | | | | | | | |
| LCS (AH63467-BS1) | | | | Prepared: 0 | 08/10/16 A | nalyzed: 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 | |


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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/15/16 11:49 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|--------------|-------|------------|-------------|----------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63467 - General Prep | | | | | | | | | | |
| Matrix Spike (AH63467-MS1) | Sou | rce: 16H0234 | 4-02 | Prepared & | k Analyzed: | 08/11/16 | | | | |
| Total Kjeldahl Nitrogen | 3.04 | 1.0 | mg/L | 2.98 | ND | 102 | 75-125 | | | |
| Matrix Spike Dup (AH63467-MSD1) | Sou | rce: 16H0234 | 4-02 | Prepared & | k Analyzed: | 08/11/16 | | | | |
| Total Kjeldahl Nitrogen | 3.04 | 1.0 | mg/L | 2.98 | ND | 102 | 75-125 | 0.00 | 20 | |
| Batch AH63531 - General Preparation | | | | | | | | | | |
| Blank (AH63531-BLK1) | | | | Prepared & | | | | | | |
| Ammonia as NH3 | ND | 0.50 | mg/L | | | | | | | |
| LCS (AH63531-BS1) | | | | Prepared & | k Analyzed: | 08/11/16 | | | | |
| Ammonia as NH3 | 6.07 | 0.50 | mg/L | 6.10 | | 99.5 | 90-110 | | | |
| LCS Dup (AH63531-BSD1) | | | | Prepared & | k Analyzed: | 08/11/16 | | | | |
| Ammonia as NH3 | 5.96 | 0.50 | mg/L | 6.10 | | 97.7 | 90-110 | 1.76 | 10 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/15/16 11:49 |

Anions by EPA Method 300.0 - Quality Control

| | D li | Reporting | T T * | Spike | Source | A/DEC | %REC | DDD | RPD | Elaz |
|-------------------------------------|--------|---------------|---------------------|-------------------------------|-----------|----------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AG64043 - General Preparation | | | | | | | | | | |
| Blank (AG64043-BLK1) | | | | Prepared & | Analyzed: | 07/29/16 | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | | | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | | | | | | |
| Chloride | ND | 0.50 | mg/L | | | | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | | | | | | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | | | | | | |
| LCS (AG64043-BS1) | | | | Prepared & | Analyzed: | 07/29/16 | | | | |
| Nitrite as N | 5.68 | 0.20 | mg/L | 5.56 | | 102 | 90-110 | | | |
| Nitrate as N | 5.59 | 0.20 | mg/L | 5.56 | | 101 | 90-110 | | | |
| Nitrite as NO2 | 18.7 | 1.0 | mg/L | 18.2 | | 103 | 90-110 | | | |
| Sulfate as SO4 | 21.9 | 0.50 | mg/L | 22.2 | | 98.5 | 90-110 | | | |
| Nitrate as NO3 | 25 | 1.0 | mg/L | 24.7 | | 100 | 90-110 | | | |
| Chloride | 11.3 | 0.50 | mg/L | 11.1 | | 102 | 90-110 | | | |
| Duplicate (AG64043-DUP1) | So | ource: 16G254 | 1-01 | Prepared & Analyzed: 07/29/16 | | | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | ND | | | | 20 | |
| Sulfate as SO4 | 6.18 | 0.50 | mg/L | | 6.29 | | | 1.64 | 20 | |
| Chloride | 6.52 | 0.50 | mg/L | | 6.50 | | | 0.184 | 20 | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | ND | | | | 20 | |
| Nitrate as N | 0.777 | 0.20 | mg/L | | 0.787 | | | 1.36 | 20 | |
| Nitrate as NO3 | 3.4 | 1.0 | mg/L | | 3.5 | | | 1.36 | 20 | |
| Matrix Spike (AG64043-MS1) | So | ource: 16G254 | 1-01 | Prepared & | Analyzed: | 07/29/16 | | | | |
| Nitrite as NO2 | 3.81 | 1.0 | mg/L | 18.2 | ND | 20.9 | 80-120 | | | QM-05 |
| Nitrate as NO3 | 30 | 1.0 | mg/L | 24.7 | 3.5 | 107 | 80-120 | | | |
| Chloride | 18.1 | 0.50 | mg/L | 11.1 | 6.50 | 105 | 80-120 | | | |
| Nitrite as N | 1.16 | 0.20 | mg/L | 5.56 | ND | 20.9 | 80-120 | | | QM-05 |
| Nitrate as N | 6.74 | 0.20 | mg/L | 5.56 | 0.787 | 107 | 80-120 | | | |
| Sulfate as SO4 | 30.4 | 0.50 | mg/L | 22.2 | 6.29 | 108 | 80-120 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/15/16 11:49 |

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 AG64043 - General Preparation | | | | | | | | | | |
| Matrix Spike (AG64043-MS2) | So | urce: 16G260 | 8-01 | Prepared & | & Analyzed: | 07/29/16 | | | | |
| Chloride | 20.0 | 2.5 | mg/L | 11.1 | 9.13 | 97.8 | 80-120 | | | |
| Nitrite as N | 5.36 | 1.0 | mg/L | 5.56 | ND | 96.4 | 80-120 | | | |
| Nitrate as N | 8.02 | 1.0 | mg/L | 5.56 | 2.67 | 96.3 | 80-120 | | | |
| Nitrite as NO2 | 17.6 | 5.0 | mg/L | 18.2 | ND | 96.7 | 80-120 | | | |
| Sulfate as SO4 | 36.1 | 2.5 | mg/L | 22.2 | 16.9 | 86.6 | 80-120 | | | |
| Nitrate as NO3 | 36 | 5.0 | mg/L | 24.7 | 12 | 96.1 | 80-120 | | | |
| Matrix Spike Dup (AG64043-MSD1) | So | urce: 16G254 | 1-01 | Prepared & | & Analyzed: | 07/29/16 | | | | |
| Nitrite as N | 1.17 | 0.20 | mg/L | 5.56 | ND | 21.0 | 80-120 | 0.764 | 20 | QM-05 |
| Nitrite as NO2 | 3.84 | 1.0 | mg/L | 18.2 | ND | 21.1 | 80-120 | 0.764 | 20 | QM-05 |
| Nitrate as N | 6.64 | 0.20 | mg/L | 5.56 | 0.787 | 105 | 80-120 | 1.56 | 20 | |
| Chloride | 17.9 | 0.50 | mg/L | 11.1 | 6.50 | 103 | 80-120 | 1.27 | 20 | |
| Nitrate as NO3 | 29 | 1.0 | mg/L | 24.7 | 3.5 | 105 | 80-120 | 1.56 | 20 | |
| Sulfate as SO4 | 30.0 | 0.50 | mg/L | 22.2 | 6.29 | 107 | 80-120 | 1.37 | 20 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/15/16 11:49 |

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.
- 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
- Sample results reported on a dry weight basis dry
- REC Recovery
- RPD Relative Percent Difference

| TT i | Corporate Leboratory |
|------------------------------------|--|
| | 208 Mason Street, Uklah, CA 95482 |
| 1 Calula | 707-468-0401 F) 707-468-5267 |
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| www.alpha-labs.com | Bay Area Laboratory |
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Central Valley Laboratory 9090 Unioin Park Wy., #113, Elk Grove, CA 95624 916-686-5190 F) 916-686-5192

Work Order Chain of Custody Record

Lab No. 1662526 Page of

3.91

| Company/Name: | | Project II | D: | _ | | | - | | | | | | Signature below authorizes work under terms stated on reverse side. | | | | | | | | | | | | | | | |
|--|--------------|----------------|-----------------|----------------------|----------|-----------|---------|-------------|---------------------------------|--------|----------------|----------|---|--|------------|-------------------|-----------|-----------|-----------|----------|-----|-------|--------|---|----------|--------------|------------------|--------------|
| West Bay Sanitary District | | | | W | ו ג | Мc | nit | ori | ng | I | | | | | | | Ar | nalys | sis F | Requi | est | | | | | Sample Notes | TAT | г |
| Mailing Address: 500 Laurel Street Menio Park, CA, 94025 | | Project N | roject No: - | | | | | | ┝ | | Τ | | | | | | | | _ | <u> </u> | | | 24 h | | | | | |
| Project Contact & Email (Hardcopy or PDF t John Simonetti jsimonetti@westbaysanitary.org Phone/Fax: | o): | | PO# | | | | | | | | Al. Fe. Mn. Zn | horus | | ; NO2, NO3 | nate | lculation | | | | | | | 48 h | e (, , , , , , , , , , , , , , , , , , | | | | |
| | | <u> </u> | \mathcal{F} | $\overline{\langle}$ | _ ⊃⊳r | yey | A | 1 | | | | | ļ | | Na. | losp | F | e, EC | arbo | d Ca | | | | | <u>0</u> | Ę | Require 1 wk | al Reg |
| Field Sampler - Print Name & Signature. | _ | | _ (| Cont | aine | er | Pres | erv | ativ | /e I | Vat | rix | | | N N | <u> </u> <u></u> | ge | orid | :ă | ste | | | | | ပြီ | ü | \bigcirc | , lod |
| Sample | San Colle | nple ection | tl Vial | / ss | eve | er | . 8 | 04 04 | er | 9 | er | er | | Han | .7 - B. Ca | nmonia | tal Nitro | fate, Chl | calinity, | \R Adju | ica | S | S | S | Irdness | Oher | 2 wk (standar | (a Lab Ap |
| Identification | Date | Time | 401 | e Po | Ste | 흉 | Ŭ Ŭ | H | ş | N N | Nai Nai | a g | Б | đ | 200 | Į | Р | Sul | Ī | ŝ | Sil | | ц З | S> | Ца | [| $\Box O$ | , |
| G13104 | 7/28 | 0900 | | 5 | | | 1 | 1 | | 3) | <u>،</u> | | × | x | × | x | x | x | x | x | x | x | x | x | x | x | | |
| 0727162 | | ,- | | | | | | | | | | | | | | | | | | | | | | |] ' | (<u> </u> | | |
| G13220 | 7/28 | OSh | | 5 | | | 1 | 1 | | 35 | (| | x | х | x | x | x | x | x | x | × | x | x | x | x | X | | |
| 072265 | | - | | | | | | | | | | | | | | | | · · | | | | | | | | | | |
| G13223 | ¥2€ | Carsh | 5 | 5 | | | 1 | 1 | | 3) | (| | x | x | x | x | x | x | x | x | x | x | x | x | x | X | | |
| 0732600 | | | | | | | | | | | | | | | | | | | | | | | | | <u>۲</u> | | | |
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| Retriquisherety. | | Received | by: | <u>بر</u> ب | t | / | 1 | _ | | | | Da | | B | Tim | 172 | ے م | Sta | ite S | Syste | em | Nur | nbe | r: | | | <u> </u> | |
| Relinquished by: | | Received | Received by: | | | | | | | 8 | Tim [] | ; 73. | 0 | СА | Geo | otrac | ker | EDF | Re | por | t | Yes 🔿 | No (| \supset | | | | |
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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 Popli

Jeanette L. Poplin For Robbie C. Phillips Project Manager



e-mail: clientservices @alpha-labs.com

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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 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 | Pro | oject Manager: Jol Project: WC roject Number: [no | nn Simor Monitor ne] | netti ring | | | Re 08/17/1 | ported: 6 09:19 |
|---|---------------|---|----------------------------|---------------|----------------|-------------------|---------------|--------------------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13104 / 072816A (16H0027-01) | | Sample Type: | : Water | | Sample | d: 07/29/16 08:30 | | |
| Metals (Drinking Water) by EPA 200 Series M | lethods | | | | | | | |
| 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 APH | A/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 | |
| рН | 7.24 pH Un | its 1.68 | 1 | AH63244 | 08/01/16 15:00 | 08/01/16 15:00 | SM4500-H+ B | T-1 |
| 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] | | | | | | | | | |
|---|---------------|---|--------------------|----------|---------|----------------|-------------------|-----------|------|--|--|
| | Result | Reporting | g Limit | Dilution | Batch | Prepared | Analyzed | Method | Note | | |
| G13104 / 072816A (16H0027-01) | | Sampl | Sample Type: Water | | | Sample | d: 07/29/16 08:30 | | | | |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters | | | | | | | | | | |
| Sodium Adsorption Ratio-Adj RNa | 3.87 N | A | | 1 | AH63358 | 08/05/16 14:52 | 08/15/16 13:03 | SAR | | | |
| Anions by EPA Method 300.0 | | | | | | | | | | | |
| Chloride | 70 m | ıg/L | 10 | 20 | AH63170 | 08/01/16 15:20 | 08/01/16 15:20 | EPA 300.0 | | | |
| Nitrate as N | ND m | ng/L | 0.20 | 1 | AH63170 | 08/01/16 13:27 | 08/01/16 13:27 | EPA 300.0 | T-: | | |
| Nitrate as NO3 | ND m | ng/L | 1.0 | 1 | AH63170 | 08/01/16 13:27 | 08/01/16 13:27 | EPA 300.0 | T-: | | |
| Nitrite as N | ND m | ng/L | 0.20 | 1 | AH63170 | 08/01/16 13:27 | 08/01/16 13:27 | EPA 300.0 | T-: | | |
| Nitrite as NO2 | ND m | ng/L | 1.0 | 1 | AH63170 | 08/01/16 13:27 | 08/01/16 13:27 | EPA 300.0 | T-: | | |
| Sulfate as SO4 | 31 m | ng/L | 0.50 | 1 | AH63170 | 08/01/16 13:27 | 08/01/16 13:27 | EPA 300.0 | | | |
| G13220 / 072816B (16H0027-02) | | Sampl | le Type: ` | Water | | Sample | d: 07/29/16 09:00 | | | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | | | |
| Potassium | 18 m | ng/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 m | ıg/L | 0.050 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | | | |
| Boron | 0.23 m | ng/L | 0.050 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | | | |
| Calcium | 23 m | ng/L | 1.0 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | | | |
| Iron | 3.2 m | ng/L | 0.10 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | | | |
| Magnesium | 10 m | ng/L | 1.0 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | | | |
| Manganese | 0.065 m | ng/L | 0.020 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | | | |
| Sodium | 76 m | ng/L | 1.0 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | | | |
| Zinc | 0.26 m | ng/L | 0.020 | 1 | AH63358 | 08/05/16 14:52 | 08/12/16 18:46 | EPA 200.7 | | | |



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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | | Projec Projec | R 08/17/1 | Reported: 08/17/16 09:19 | | | | | |
|---|---------------|------------------|-----------------|-----------------------------|---------|----------------|-------------------|---------------|------|
| | Result | t | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13220 / 072816B (16H0027-02) | | | Sample Type: | : Water | | Sample | | | |
| 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 | |
| рН | 7.18 | pH Units | 1.68 | 1 | AH63244 | 08/01/16 15:00 | 08/01/16 15:00 | SM4500-H+ B | T-1 |
| 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 Chemist | ry 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- |
| Nitrate as NO3 | ND | mg/L | 1.0 | 1 | AH63170 | 08/01/16 13:44 | 08/01/16 13:44 | EPA 300.0 | T- |
| Nitrite as N | ND | mg/L | 0.20 | 1 | AH63170 | 08/01/16 13:44 | 08/01/16 13:44 | EPA 300.0 | T- |
| Nitrite as NO2 | ND | mg/L | 1.0 | 1 | AH63170 | 08/01/16 13:44 | 08/01/16 13:44 | EPA 300.0 | T- |
| 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 | | Sample | d: 07/29/16 08:10 | | |
| Metals (Drinking Water) by EPA 200 Series M | ethods | | | | | | | | |
| 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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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proje Proj | Project Manager: John Simonetti Project: WQ Monitoring Project Number: [none] | | | | | | | | |
|---|---------------|---|--------------------------|---------|----------------|-------------------|---------------|------|--|--|
| | Result | Reporting Limit | Reporting Limit Dilution | | Prepared | Analyzed | Method | Note | | |
| G13223 / 072816C (16H0027-03) | | Sample Type | : Water | | Sample | d: 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 APH | A/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 | | | |
| рН | 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/ci | m 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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| West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 | Proj Pro | ect Manager: Joł Project: WG ject Number: [no | | Reported: 08/17/16 09:19 | | | | |
|---|---------------|---|----------|-----------------------------|----------------|----------------|-----------|------|
| | Result | Reporting Limit | Dilution | Batch | Prepared | Analyzed | Method | Note |
| G13223 / 072816C (16H0027-03) | | Sample Type: | Water | | Sample | | | |
| Miscellaneous Physical/Conventional Chemistr | ry 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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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/17/16 09:19 |

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

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|---------------|-------|-------------|---------------------------------------|-------------|--------|-------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63358 - Metals Digest | | | | | | | | | | |
| Blank (AH63358-BLK1) | | | | Prepared: (| 08/05/16 A | nalyzed: 08 | /10/16 | | | |
| Potassium | ND | 1.0 | mg/L | | | | | | | |
| LCS (AH63358-BS1) | | | | Prepared: (| 08/05/16 A | nalyzed: 08 | /10/16 | | | |
| Potassium | 6.91 | 1.0 | mg/L | 8.00 | | 86.4 | 85-115 | | | |
| Duplicate (AH63358-DUP1) | Sou | irce: 16H0497 | 7-01 | Prepared: (| 08/05/16 A | nalyzed: 08 | | | | |
| Potassium | 10.2 | 1.0 | mg/L | | 10.1 | | | 0.366 | 20 | |
| Matrix Spike (AH63358-MS1) | Sou | irce: 16H0497 | 7-01 | Prepared: (| 08/05/16 A | nalyzed: 08 | | | | |
| Potassium | 15.2 | 1.0 | mg/L | 8.00 | 10.1 | 63.5 | 70-130 | | | QM-01 |
| Matrix Spike (AH63358-MS2) | Sou | irce: 16H0602 | 2-01 | Prepared: (| 08/05/16 A | nalyzed: 08 | /10/16 | | | |
| Potassium | 7.90 | 1.0 | mg/L | 8.00 | ND | 88.1 | 70-130 | | | |
| Matrix Spike Dup (AH63358-MSD1) | Sou | rce: 16H0497 | 7-01 | Prepared: (| 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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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 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 | | | | | | | | | | _ |
| Plank (AH63358 RI K1) | | | | Prenared: 0 | 8/05/16 Ar | alvzed: 08 | /10/16 | | | |
| Aluminum | ND | 0.050 | mg/L | Troparea. o | 0/00/10 /11 | aryzea. oo | 10/10 | | | |
| 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: 0 | 8/05/16 Ar | alvzed: 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 | | | |
| Zine | 0.184 | 0.020 | mg/L | 0.200 | | 92.2 | 85-115 | | | |
| Duplicate (AH63358-DUP1) | So | ource: 16H0497 | '-01 | Prepared: 0 | 8/05/16 Ar | alyzed: 08 | /10/16 | | | |
| Aluminum | 0.0616 | 0.050 | mg/L | 1 | 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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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/17/16 09:19 |

Metals by EPA 200 Series Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|-------------|-------|-------------|-------------|-------------|--------|--------|-------|-------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63358 - Metals Digest | | | | | | | | | | |
| Matrix Spike (AH63358-MS1) | Sou | rce: 16H049 | 7-01 | Prepared: (| 08/05/16 A | nalyzed: 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) | Sou | rce: 16H060 | 2-01 | Prepared: (| 08/05/16 A | nalyzed: 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) | Sou | rce: 16H049 | 7-01 | Prepared: (| 08/05/16 Ai | nalyzed: 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 | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/17/16 09:19 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|----------|-------------|------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63151 - General Preparation | | | | | | | | | | |
| Duplicate (AH63151-DUP1) | Sou | rce: 16G253 | 7-07 | Prepared & | Analyzed: | 08/04/16 | | | | |
| Bicarbonate | 26.8 | 5.0 | mg/L | | 26.8 | | | 0.00 | 20 | |
| Total Alkalinity as CaCO3 | 22.0 | 5.0 | mg/L | | 22.0 | | | 0.00 | 20 | |
| Hydroxide Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Carbonate Alkalinity as CaCO3 | ND | 5.0 | mg/L | | ND | | | | 20 | |
| Bicarbonate Alkalinity as CaCO3 | 22.0 | 5.0 | mg/L | | 22.0 | | | 0.00 | 20 | |
| Batch AH63169 - General Preparation | | | | | | | | | | |
| Blank (AH63169-BLK1) | | | | Prepared: (| 08/01/16 A | nalyzed: 08 | /05/16 | | | |
| Volatile Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AH63169-DUP1) | Sou | rce: 16H002 | 7-01 | Prepared: (| 08/01/16 A | nalyzed: 08 | /05/16 | | | |
| Volatile Suspended Solids | 444 | 1.0 | mg/L | | 429 | | | 3.51 | 30 | |
| Duplicate (AH63169-DUP2) | Sou | rce: 16H002 | 7-02 | Prepared: (| 08/01/16 A | nalyzed: 08 | /05/16 | | | |
| Volatile Suspended Solids | 282 | 1.0 | mg/L | | 309 | | | 9.17 | 30 | |
| Batch AH63216 - General Preparation | | | | | | | | | | |
| Duplicate (AH63216-DUP1) | Sou | rce: 16H008 | 6-01 | 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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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/17/16 09:19 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|----------|-------------------------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | 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-BSD1) | | | | Prepared & | a Analyzed: | 08/03/16 | | | | |
| Silica | 9.74 | 1.0 | mg/L | 10.0 | | 97.4 | 85-115 | 0.00 | 20 | |
| Duplicate (AH63234-DUP1) | Sou | rce: 16G252 | 6-02 | Prepared & | k Analyzed: | 08/03/16 | | | | |
| Silica | 15.3 | 5.0 | mg/L | | 15.3 | | | 0.00 | 20 | |
| Matrix Spike (AH63234-MS1) | Sou | rce: 16G252 | 6-02 | Prepared & Analyzed: 08/03/16 | | | | | | |
| Silica | 38.7 | 5.0 | mg/L | 25.0 | 15.3 | 93.5 | 80-120 | | | |
| Matrix Spike Dup (AH63234-MSD1) | Sou | rce: 16G252 | 6-02 | 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) | Sou | rce: 16H002 | 7-01 | 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 A | nalyzed: 08 | /03/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |
| Blank (AH63258-BLK2) | | | | Prepared: (| 07/29/16 A | nalyzed: 08 | /03/16 | | | |
| Biochemical Oxygen Demand | ND | 5.0 | mg/L | | | | | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/17/16 09:19 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|-------|-------------|------------|--------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63258 - General Preparation | | | | | | | | | | |
| LCS (AH63258-BS1) | | | | Prepared: (|)7/27/16 A | analyzed: 08 | /01/16 | | | |
| Biochemical Oxygen Demand | 218 | 5.0 | mg/L | 200 | | 109 | 84-115 | | | |
| Duplicate (AH63258-DUP1) | Sou | rce: 16G254 | 4-02 | Prepared: (|)7/29/16 A | 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 A | analyzed: 08 | /05/16 | | | |
| Total Suspended Solids | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (AH63277-DUP1) | Sou | rce: 16H002 | 7-01 | Prepared: (| 08/04/16 A | analyzed: 08 | /05/16 | | | |
| Total Suspended Solids | 490 | 1.0 | mg/L | | 466 | | | 5.13 | 30 | |
| Duplicate (AH63277-DUP2) | Sou | rce: 16H002 | 7-02 | Prepared: (|)8/04/16 A | 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 A | analyzed: 08 | /05/16 | | | |
| Total Dissolved Solids | ND | 10 | mg/L | | | - | | | | |
| Duplicate (AH63278-DUP1) | Sou | rce: 16G252 | 7-01 | Prepared: (|)8/04/16 A | analyzed: 08 | /05/16 | | | |
| Total Dissolved Solids | 403 | 10 | mg/L | | 403 | | | 0.00 | 15 | |
| Duplicate (AH63278-DUP2) | Sou | rce: 16H012 | 7-03 | Prepared: (| 08/04/16 A | analyzed: 08 | /08/16 | | | |
| Total Dissolved Solids | 506 | 10 | mg/L | | 500 | | | 1.19 | 15 | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/17/16 09:19 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------------|--------|-------------|-------|---------------------------------------|------------|-------------|--------|------|-------|------|
| Analyte(s) | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Flag |
| Batch AH63358 - Metals Digest | | | | | | | | | | |
| Blank (AH63358-BLK1) | | | | Prepared: (| 08/05/16 A | | | | | |
| Hardness, Total | ND | 5 | mg/L | | | | | | | |
| Duplicate (AH63358-DUP1) | Sou | rce: 16H049 | 7-01 | Prepared: (| 08/05/16 A | nalyzed: 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) | Sou | rce: 16H023 | 4-02 | 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) | Sou | rce: 16H023 | 4-02 | 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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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/17/16 09:19 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| G 11 G | A/DEC | | DDD | |
|-------------------------------|--|--|---|--|
| Spike Source | %REC | רוחת | KPD Limit | Flag |
| Level Result %REC | Limits | KPD | Limit | Flag |
| | | | | |
| Prepared & Analyzed: 08/15/16 | | | | |
| 6.10 94.2 | 90-110 | 5.40 | 10 | |
| Prepared & Analyzed: 08/15/16 | | | | |
| 6.10 ND 96.0 | 85-115 | | | |
| Prepared & Analyzed: 08/15/16 | | | | |
| 6.10 ND 94.2 | 85-115 | 1.83 | 20 | |
| | | | | |
| Prepared & Analyzed: 08/15/16 | | | | |
| | | | | |
| Prepared & Analyzed: 08/15/16 | | | | |
| 0.200 99.9 | 85-115 | | | |
| Prepared & Analyzed: 08/15/16 | | | | |
| ND | | 0.00 | 20 | |
| Prepared & Analyzed: 08/15/16 | | | | |
| 0.200 ND 88.5 | 70-130 | | | |
| Prepared & Analyzed: 08/15/16 | | | | |
| 0.200 ND 89.2 | 70-130 | 0.616 | 20 | |
| - | Spike Source Level Result %REC Prepared & Analyzed: 08/15/16 6.10 94.2 Prepared & Analyzed: 08/15/16 6.10 ND 96.0 Prepared & Analyzed: 08/15/16 6.10 ND 94.2 Prepared & Analyzed: 08/15/16 6.10 ND 94.2 Prepared & Analyzed: 08/15/16 0.200 99.9 Prepared & Analyzed: 08/15/16 0.200 ND 88.5 Prepared & Analyzed: 08/15/16 0.200 ND 88.5 Prepared & Analyzed: 08/15/16 0.200 ND 88.5 Prepared & Analyzed: 08/15/16 0.200 ND 89.2 | Spike Source %REC Level Result %REC Limits Prepared & Analyzed: 08/15/16 90-110 Prepared & Analyzed: 08/15/16 90-110 Prepared & Analyzed: 08/15/16 90-110 Prepared & Analyzed: 08/15/16 96.0 85-115 Prepared & Analyzed: 08/15/16 94.2 85-115 Prepared & Analyzed: 08/15/16 99.9 85-115 Prepared & Analyzed: 08/15/16 99.9 85-115 Prepared & Analyzed: 08/15/16 99.9 85-115 Prepared & Analyzed: 08/15/16 90.200 90.9 85-115 Prepared & Analyzed: 08/15/16 0.200 ND 88.5 70-130 Prepared & Analyzed: 08/15/16 0.200 ND 89.2 70-130 | Spike Source $\%$ REC Limits RPD Level Result $\%$ REC Limits RPD Prepared & Analyzed: 08/15/16 - - 6.10 94.2 90-110 5.40 Prepared & Analyzed: 08/15/16 - - 6.10 ND 96.0 85-115 - Prepared & Analyzed: 08/15/16 - - O.200 ND 88.5 70-130 - Prepared & Analyzed: 08/15/16 - - - 0.200 ND 89.2 70-130 0.616 | Spike Source $\frac{9}{6}$ REC Limits RPD Limit Prepared & Analyzed: 08/15/16 6.10 94.2 90-110 5.40 10 Prepared & Analyzed: 08/15/16 6.10 ND 96.0 85-115 1.83 20 Prepared & Analyzed: 08/15/16 6.10 ND 94.2 85-115 1.83 20 Prepared & Analyzed: 08/15/16 70-130 99.9 85-115 1.83 20 Prepared & Analyzed: 08/15/16 0.00 99.9 85-115 1.83 20 Prepared & Analyzed: 08/15/16 0.000 20 99.9 85-115 1.83 20 Prepared & Analyzed: 08/15/16 0.000 20 20 20 20 20 Prepared & Analyzed: 08/15/16 0.200 ND 88.5 70-130 20 Prepared & Analyzed: 08/15/16 70-130 0.616 20 |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/17/16 09:19 |

Anions by EPA Method 300.0 - Quality Control

| Analyta(c) | Pecult | Reporting | Unite | Spike Level | Source | %PEC | %REC | רוקק | RPD Limit | Flag |
|-------------------------------------|--------|---------------|-------|----------------|-----------|----------|---------|-------|--------------|------|
| Analyce(s) | Result | Liiiit | Units | Level | Result | /orec | Lillits | KI D | Liiiit | Tiug |
| Batch AH63170 - General Preparation | | | | | | | | | | |
| Blank (AH63170-BLK1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | |
| Sulfate as SO4 | ND | 0.50 | mg/L | | | | | | | |
| Chloride | ND | 0.50 | mg/L | | | | | | | |
| Nitrite as NO2 | ND | 1.0 | mg/L | | | | | | | |
| Nitrite as N | ND | 0.20 | mg/L | | | | | | | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | | | | | | |
| Nitrate as N | ND | 0.20 | mg/L | | | | | | | |
| LCS (AH63170-BS1) | | | | Prepared & | Analyzed: | 08/01/16 | | | | |
| Sulfate as SO4 | 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 NO2 | 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 NO3 | 25 | 1.0 | mg/L | 24.7 | | 99.5 | 90-110 | | | |
| Duplicate (AH63170-DUP1) | So | urce: 16G255 | 3-02 | Prepared & | Analyzed: | 08/01/16 | | | | |
| Nitrite as NO2 | 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 SO4 | 0.531 | 0.50 | mg/L | | 0.542 | | | 2.05 | 20 | |
| Nitrate as NO3 | ND | 1.0 | mg/L | | ND | | | 0.289 | 20 | |
| Matrix Spike (AH63170-MS1) | So | urce: 16G2558 | 8-02 | Prepared & | Analyzed: | 08/01/16 | | | | |
| Nitrite as NO2 | 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 NO3 | 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 SO4 | 23.6 | 0.50 | mg/L | 22.2 | 0.542 | 104 | 80-120 | | | |



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| West Bay Sanitary District | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 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) | Sou | rce: 16H0088 | 3-01 | 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) | Sou | rce: 16G2558 | 3-02 | 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 | Project Manager: John Simonetti | |
|----------------------------|---------------------------------|----------------|
| 500 Laurel Street | Project: WQ Monitoring | Reported: |
| Menlo Park, CA 94025 | Project Number: [none] | 08/17/16 09:19 |

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

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| Calaka | |
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| www.alpha-lat | s.com |
| WATERS, SEDIMENT | s, Souds |

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Central Valley Laboratory 9090 Unioin Park Wy., #113, Elk Grove, CA 95624 916-686-5190 F) 916-686-5192

Work Order

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Chain of Custody Record

| Company/Name: | | Project ID: | | | | | | | | Signature below authorizes work under terms stated on reverse side. | | | | | | | | | | | | | | | | | | | | | |
|--|----------------|---------------|-------------------------------|------------|-----------|------|-------------|----------|-------------------------------|---|-------------|------------------------------|----------------------------|----------------------|--------|--------------------------------|-----------|------------|------------|----------|----------|----------------|-----------------|----------|----------|----------------------------|------------|------|-------------|------------------|----------|
| West Bay Sanitary District | | WQ Monitoring | | | | | | | Analysis Request Sample Notes | | | | | | | | | | | | | | тат | | | | | | | | |
| Mailing Address: 500 Laurel Street Nacio Dack CA 94025 | | Project No: | | | | | | | ┞ | | T - | -1- | | | T | | | | <u></u> | 1 | 1 | | | | | 24 hr | | | | | |
| Project Contact & Email (Hardcopy or PDF John Simonetti isimonetti@westbaysanitary.org | to): | PO# | | | | | | | | | | e, wn, zn IS | | 22, NO3 | | ation | | | | | | | ٩, ١ | i tem | 0 | | d For Rush | | | | |
| Phone/Fax: | | Site Contact: | | | | | | | 1 | | | a, Al, F Sphort | | U N N | bonat | Salcul | | | - | | | | | 2.4 | , | Lab Approva Required | c - | | | | |
| | -John Sinnert! | | | | | | | | | | | 4 | | | n Sod | ្រូ | de, j | en le | | | | | | <u>မ</u> | 3 | | | Í | 1 wk | vat F | |
| Fleid Sampler - Print Name & Signature | Sa | mole | Container Preservative Matrix | | | | | | | 4 | | | ∾ 2 0_ | Ď | | j III. | l ste | ĺ | | | | ١Ö | 9 | 4 | | | \bigcirc | blue | | | |
| Sample | Coll | ection | Iml Vial | ass ass | eeve | ther | NO3 | 2SO4 | ther | one | ater her | | | Han | | u , a - 7.00 | otal Niti | ulfate, Ch | lkalinity | AR Adji | ilica | DS | SS | SS | ardnes | Pello | | | | 2 wk (standar | tab A |
| | 7/20 | Inne | 40 | (<u>0</u> | Ø | | : <u></u> | Ĩ | O | Ž | ≤ ù , | ňÖ | | | 1 i | <u>4 4</u> | <u> </u> | 0 | <u> </u> ∢ | 0 | S | | | > | <u> </u> | <u> </u> | | | —- ŀ | | |
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| Relinquished by: | · | Received by: | | | | | | | | Da 1 | ate U | ?/n | Tir | пе 141 | р р | CD | PH ' | Writ | e Oi | n El | | lepc | ort? | Yes | | | | No (| \Box | | |
| Received by: | | | | | | | | | 7 | Tír | Time | | | State System Number: | | | | | | | | | | | | : | | | | | |
| Received by: | | | | | | | te 8- | l | Time 5730 | | | CA Geotracker EDF Report Yes | | | | | | | | | No (| \bigcirc | | | | | | | | | |
| Relinquished by: | | | | | | | ate 3-1- | 1-16 | | Time 08DD | | | Sampling Company Log Code: | | | | | | | | | | | | | | | | | | |
| Relinquished by: | | Received by: | | | | | | | | ate | <u>.,</u> | Tir | Time | | | Travel and Site Time: Mileage: | | | | | | | Misc. Supplies: | | | | | | | | |
| | | | | | | | | | | | | _ | | | | | | | | | | | | | _ | | | | | | |