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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.

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ELAP Certificates 1551, 2728, and 2922

19 April 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

RE: WQ Monitoring

Work Order: 16D0196

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

Sincerely,

Jeanette L. Poplin For Robbie C. Phillips

Jeanette Popli

Project Manager



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

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

Reported: 04/19/16 10:42

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID  | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------|---------------|--------|----------------|----------------|
| Oak Avenue | 16D0196-01    | Water  | 04/01/16 09:00 | 04/04/16 21:20 |



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

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

Reported: 04/19/16 10:42

|                                              | Result        | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method        | Note      |
|----------------------------------------------|---------------|-----------------|----------|---------|----------------|-------------------|---------------|-----------|
| Oak Avenue (16D0196-01)                      |               | Sample Type:    | Water    |         | Sample         | d: 04/01/16 09:00 |               |           |
| Metals by EPA 200 Series Methods             |               |                 |          |         |                |                   |               |           |
| Boron                                        | 0.31 mg/L     | 0.050           | 1        | AD63175 | 04/12/16 16:00 | 04/14/16 15:56    | EPA 200.7     |           |
| Calcium                                      | 39 mg/L       | 1.0             | 1        | AD63175 | 04/12/16 16:00 | 04/14/16 15:56    | EPA 200.7     |           |
| Magnesium                                    | 23 mg/L       | 1.0             | 1        | AD63175 | 04/12/16 16:00 | 04/14/16 15:56    | EPA 200.7     |           |
| Sodium                                       | 73 mg/L       | 1.0             | 1        | AD63175 | 04/12/16 16:00 | 04/14/16 15:56    | EPA 200.7     |           |
| Conventional Chemistry Parameters by APHA    | /EPA Methods  |                 |          |         |                |                   |               |           |
| Ammonia as NH3                               | 58 mg/L       | 0.50            | 1        | AD62949 | 04/06/16 08:00 | 04/06/16 17:00    | SM4500NH3C    |           |
| Bicarbonate                                  | 380 mg/L      | 5.0             | 1        | AD62960 | 04/06/16 09:33 | 04/06/16 17:00    | SM2320B       |           |
| Biochemical Oxygen Demand                    | 250 mg/L      | 5.0             | 1        | AD63127 | 04/06/16 12:00 | 04/11/16 13:00    | SM5210B       | T-1, T-16 |
| рН                                           | 7.58 pH Units | 1.68            | 1        | AD62924 | 04/04/16 18:40 | 04/04/16 18:40    | SM4500-H+ B   | T-14      |
| Specific Conductance (EC)                    | 1100 umhos/cm | 20              | 1        | AD62910 | 04/05/16 17:00 | 04/05/16 17:00    | SM2510B       |           |
| <b>Total Dissolved Solids</b>                | 510 mg/L      | 10              | 1        | AD62954 | 04/06/16 09:00 | 04/12/16 08:45    | SM2540C       |           |
| <b>Total Suspended Solids</b>                | 82 mg/L       | 1.0             | 1        | AD62969 | 04/06/16 11:13 | 04/08/16 11:00    | SM2540D       |           |
| Silica                                       | 21 mg/L       | 2.0             | 2        | AD62927 | 04/05/16 14:15 | 04/05/16 16:30    | SM4500-SiO2 C |           |
| Bicarbonate Alkalinity as CaCO3              | 310 mg/L      | 5.0             | 1        | AD62960 | 04/06/16 09:33 | 04/06/16 17:00    | SM2320B       |           |
| Carbonate Alkalinity as CaCO3                | ND mg/L       | 5.0             | 1        | AD62960 | 04/06/16 09:33 | 04/06/16 17:00    | SM2320B       |           |
| Hydroxide Alkalinity as CaCO3                | ND mg/L       | 5.0             | 1        | AD62960 | 04/06/16 09:33 | 04/06/16 17:00    | SM2320B       |           |
| Total Alkalinity as CaCO3                    | 310 mg/L      | 5.0             | 1        | AD62960 | 04/06/16 09:33 | 04/06/16 17:00    | SM2320B       |           |
| Total Kjeldahl Nitrogen                      | 57 mg/L       | 1.0             | 1        | AD62911 | 04/06/16 09:41 | 04/07/16 09:23    | SM4500-Norg B |           |
| Total Nitrogen                               | 57 mg/L       | 1.0             | 1        | AD62999 | 04/07/16 08:43 | 04/12/16 09:47    | SM4500-N      |           |
| Phosphorus, total                            | 6.0 mg/L      | 0.80            | 2        | AD63089 | 04/11/16 08:00 | 04/11/16 12:48    | SM4500-P E    |           |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters |                 |          |         |                |                   |               |           |
| Sodium Adsorption Ratio-Adj RNa              | 2.70 NA       |                 | 1        | AD63175 | 04/12/16 16:00 | 04/19/16 07:09    | SAR           |           |



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West Bay Sanitary DistrictProject Manager: John Simonetti500 Laurel StreetProject: WQ MonitoringReported:Menlo Park, CA 94025Project Number: Oak Avenue04/19/16 10:42

|                                                       | Result  | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method    | Note |
|-------------------------------------------------------|---------|-----------------|----------|---------|----------------|-------------------|-----------|------|
| Oak Avenue (16D0196-01)<br>Anions by EPA Method 300.0 |         | Sample Type     | Water    |         | Sample         | d: 04/01/16 09:00 |           | _    |
| Chloride                                              | 73 mg/L | 10              | 20       | AD62920 | 04/05/16 16:46 | 04/05/16 16:46    | EPA 300.0 |      |
| Nitrate as N                                          | ND mg/L | 0.20            | 1        | AD62920 | 04/05/16 17:02 | 04/05/16 17:02    | EPA 300.0 | T-2  |
| Nitrate as NO3                                        | ND mg/L | 1.0             | 1        | AD62920 | 04/05/16 17:02 | 04/05/16 17:02    | EPA 300.0 | T-2  |
| Nitrite as N                                          | ND mg/L | 0.20            | 1        | AD62920 | 04/05/16 17:02 | 04/05/16 17:02    | EPA 300.0 | T-2  |
| Nitrite as NO2                                        | ND mg/L | 1.0             | 1        | AD62920 | 04/05/16 17:02 | 04/05/16 17:02    | EPA 300.0 | T-2  |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

## **Metals by EPA 200 Series Methods - Quality Control**

|                               |        | Reporting  |       | Spike       | Source     |             | %REC   |      | RPD   |       |
|-------------------------------|--------|------------|-------|-------------|------------|-------------|--------|------|-------|-------|
| Analyte(s)                    | Result | Limit      | Units | Level       | Result     | %REC        | Limits | RPD  | Limit | Flag  |
| Batch AD63175 - Metals Digest |        |            |       |             |            |             |        |      |       |       |
| Blank (AD63175-BLK1)          |        |            |       | Prepared: ( | 04/12/16 A | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | ND     | 0.050      | mg/L  |             |            |             |        |      |       |       |
| Calcium                       | ND     | 1.0        | mg/L  |             |            |             |        |      |       |       |
| Magnesium                     | ND     | 1.0        | mg/L  |             |            |             |        |      |       |       |
| Sodium                        | ND     | 1.0        | mg/L  |             |            |             |        |      |       |       |
| LCS (AD63175-BS1)             |        |            |       | Prepared: ( | 04/12/16 A | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.386  | 0.050      | mg/L  | 0.400       |            | 96.6        | 85-115 |      |       |       |
| Calcium                       | 7.87   | 1.0        | mg/L  | 8.00        |            | 98.4        | 85-115 |      |       |       |
| Magnesium                     | 8.39   | 1.0        | mg/L  | 8.00        |            | 105         | 85-115 |      |       |       |
| Sodium                        | 8.35   | 1.0        | mg/L  | 8.00        |            | 104         | 85-115 |      |       |       |
| Duplicate (AD63175-DUP1)      | Sour   | ce: 16D016 | 6-01  | Prepared: ( | 04/12/16 A | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.0889 | 0.050      | mg/L  |             | 0.0865     |             |        | 2.72 | 20    |       |
| Calcium                       | 11.9   | 1.0        | mg/L  |             | 11.7       |             |        | 1.16 | 20    |       |
| Magnesium                     | 27.2   | 1.0        | mg/L  |             | 27.6       |             |        | 1.55 | 20    |       |
| Sodium                        | 6.84   | 1.0        | mg/L  |             | 6.72       |             |        | 1.84 | 20    |       |
| Matrix Spike (AD63175-MS1)    | Sour   | ce: 16D016 | 6-01  | Prepared: ( | 04/12/16 A | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.432  | 0.050      | mg/L  | 0.400       | 0.0865     | 86.3        | 70-130 |      |       |       |
| Calcium                       | 18.2   | 1.0        | mg/L  | 8.00        | 11.7       | 80.9        | 70-130 |      |       |       |
| Magnesium                     | 32.2   | 1.0        | mg/L  | 8.00        | 27.6       | 58.2        | 70-130 |      |       | QM-01 |
| Sodium                        | 13.9   | 1.0        | mg/L  | 8.00        | 6.72       | 90.0        | 70-130 |      |       |       |
| Matrix Spike (AD63175-MS2)    | Sour   | ce: 16D019 | 8-01  | Prepared: ( | 04/12/16 A | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.577  | 0.050      | mg/L  | 0.400       | 0.197      | 94.8        | 70-130 |      |       |       |
| Calcium                       | 88.7   | 1.0        | mg/L  | 8.00        | 78.3       | 130         | 70-130 |      |       |       |
| Magnesium                     | 79.4   | 1.0        | mg/L  | 8.00        | 67.9       | 144         | 70-130 |      |       | QM-4X |
| Sodium                        | 51.9   | 1.0        | mg/L  | 8.00        | 42.6       | 116         | 70-130 |      |       |       |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

### Metals by EPA 200 Series Methods - Quality Control

| Analyte(s)                      | Result | Reporting<br>Limit | Units  | Spike<br>Level | Source<br>Result | %REC        | %REC<br>Limits | RPD  | RPD<br>Limit | Flag |
|---------------------------------|--------|--------------------|--------|----------------|------------------|-------------|----------------|------|--------------|------|
| Allalyte(s)                     | Result | Liiiii             | Ullits | Level          | Result           | /0KEC       | Lillits        | KFD  | Lillit       | Tiug |
| Batch AD63175 - Metals Digest   |        |                    |        |                |                  |             |                |      |              |      |
| Matrix Spike Dup (AD63175-MSD1) | Sour   | ce: 16D016         | 6-01   | Prepared: (    | 04/12/16 Ar      | nalyzed: 04 | /14/16         |      |              |      |
| Boron                           | 0.462  | 0.050              | mg/L   | 0.400          | 0.0865           | 93.9        | 70-130         | 6.86 | 20           |      |
| Calcium                         | 19.0   | 1.0                | mg/L   | 8.00           | 11.7             | 90.3        | 70-130         | 4.03 | 20           |      |
| Magnesium                       | 33.7   | 1.0                | mg/L   | 8.00           | 27.6             | 76.2        | 70-130         | 4.37 | 20           |      |
| Sodium                          | 14.6   | 1.0                | mg/L   | 8.00           | 6.72             | 98.3        | 70-130         | 4.65 | 20           |      |



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|                                     |        | Reporting    |          | Spike                                                                                                  | Source     |             | %REC    |       | RPD   |      |
|-------------------------------------|--------|--------------|----------|--------------------------------------------------------------------------------------------------------|------------|-------------|---------|-------|-------|------|
| Analyte(s)                          | Result | Limit        | Units    | Level                                                                                                  | Result     | %REC        | Limits  | RPD   | Limit | Flag |
| Batch AD62910 - General Preparation |        |              |          |                                                                                                        |            |             |         |       |       |      |
| Duplicate (AD62910-DUP1)            | Sou    | ırce: 16D023 | 6-03     | Prepared &                                                                                             | Analyzed:  | 04/05/16    |         |       |       |      |
| Specific Conductance (EC)           | 165    | 20           | umhos/cm |                                                                                                        | 165        |             |         | 0.00  | 5     |      |
| Batch AD62911 - General Prep        |        |              |          |                                                                                                        |            |             |         |       |       |      |
| LCS (AD62911-BS1)                   |        |              |          | Prepared: (                                                                                            | 04/05/16 A | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0          | mg/L     | 2.98                                                                                                   |            | 99.0        | 80-120  |       |       |      |
| LCS Dup (AD62911-BSD1)              |        |              |          | Prepared: (                                                                                            | 04/05/16 A | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0          | mg/L     | 2.98                                                                                                   |            | 99.0        | 80-120  | 0.00  | 20    |      |
| Matrix Spike (AD62911-MS1)          | Soi    | ırce: 16D019 | 1-01     | Prepared: (                                                                                            | 04/05/16 A | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 43.4   | 1.0          | mg/L     | 22.6                                                                                                   | 24.5       | 83.5        | 75-125  |       |       |      |
| Matrix Spike Dup (AD62911-MSD1)     | Sou    | urce: 16D019 | 1-01     | Prepared: (                                                                                            | 04/05/16 A | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 43.4   | 1.0          | mg/L     | Prepared: 04/05/16 Analyzed: 04/06/16  2.98 99.0 80-120 0.00 20  Prepared: 04/05/16 Analyzed: 04/06/16 |            |             |         |       |       |      |
| Batch AD62924 - General Preparation |        |              |          |                                                                                                        |            |             |         |       |       |      |
| Duplicate (AD62924-DUP1)            | Sou    | ırce: 16D022 | 9-01     | Prepared &                                                                                             | Analyzed:  | 04/04/16    |         |       |       |      |
| рН                                  | 9.00   | 1.68         | pH Units |                                                                                                        | 8.91       |             |         | 1.01  | 20    |      |
| Duplicate (AD62924-DUP2)            | Soi    | ırce: 16D022 | 24-01    | Prepared &                                                                                             | Analyzed:  | 04/04/16    |         |       |       |      |
| рН                                  | 8.33   | 1.68         | pH Units |                                                                                                        | 8.39       |             |         | 0.718 | 20    |      |
| Batch AD62927 - General Preparation |        |              |          |                                                                                                        |            |             |         |       |       |      |
| Blank (AD62927-BLK1)                |        |              |          | Prepared &                                                                                             | Analyzed:  | 04/05/16    |         |       |       |      |
| Silica                              | ND     | 1.0          | mg/L     |                                                                                                        |            |             |         |       |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

|                                     |        | Reporting   |       | Spike      | Source    |          | %REC   |       | RPD   |       |
|-------------------------------------|--------|-------------|-------|------------|-----------|----------|--------|-------|-------|-------|
| Analyte(s)                          | Result | Limit       | Units | Level      | Result    | %REC     | Limits | RPD   | Limit | Flag  |
| Batch AD62927 - General Preparation |        |             |       |            |           |          |        |       |       |       |
| LCS (AD62927-BS1)                   |        |             |       | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 10.0   | 1.0         | mg/L  | 10.0       |           | 100      | 85-115 |       |       |       |
| LCS Dup (AD62927-BSD1)              |        |             |       | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 10.6   | 1.0         | mg/L  | 10.0       |           | 106      | 85-115 | 5.65  | 20    |       |
| Duplicate (AD62927-DUP1)            | Sou    | rce: 16D023 | 0-01  | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 18.7   | 1.0         | mg/L  |            | 18.4      |          |        | 1.57  | 20    |       |
| Matrix Spike (AD62927-MS1)          | Sou    | rce: 16D023 | 0-01  | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 22.3   | 1.0         | mg/L  | 5.00       | 18.4      | 78.0     | 80-120 |       |       | QM-05 |
| Matrix Spike Dup (AD62927-MSD1)     | Sou    | rce: 16D023 | 0-01  | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 22.2   | 1.0         | mg/L  | 5.00       | 18.4      | 75.1     | 80-120 | 0.656 | 20    | QM-05 |
| Batch AD62949 - General Preparation |        |             |       |            |           |          |        |       |       |       |
| Blank (AD62949-BLK1)                |        |             |       | Prepared & | Analyzed: | 04/06/16 |        |       |       |       |
| Ammonia as NH3                      | ND     | 0.50        | mg/L  |            |           |          |        |       |       |       |
| LCS (AD62949-BS1)                   |        |             |       | Prepared & | Analyzed: | 04/06/16 |        |       |       |       |
| Ammonia as NH3                      | 5.75   | 0.50        | mg/L  | 6.10       |           | 94.2     | 90-110 |       |       |       |
| LCS Dup (AD62949-BSD1)              |        |             |       | Prepared & | Analyzed: | 04/06/16 |        |       |       |       |
| Ammonia as NH3                      | 5.85   | 0.50        | mg/L  | 6.10       |           | 96.0     | 90-110 | 1.83  | 10    |       |
| Matrix Spike (AD62949-MS1)          | Sou    | rce: 16D015 | 9-01  | Prepared & | Analyzed: | 04/06/16 |        |       |       |       |
| Ammonia as NH3                      | 12.1   | 0.50        | mg/L  | 12.2       | ND        | 99.5     | 85-115 |       |       |       |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

|                                     |        | Reporting   |       | Spike       | Source      |             | %REC    |      | RPD   |      |
|-------------------------------------|--------|-------------|-------|-------------|-------------|-------------|---------|------|-------|------|
| Analyte(s)                          | Result | Limit       | Units | Level       | Result      | %REC        | Limits  | RPD  | Limit | Flag |
| Batch AD62949 - General Preparation |        |             |       |             |             |             |         |      |       |      |
| Matrix Spike Dup (AD62949-MSD1)     | Sou    | rce: 16D015 | 9-01  | Prepared &  | ኔ Analyzed: | 04/06/16    |         |      |       |      |
| Ammonia as NH3                      | 11.9   | 0.50        | mg/L  | 12.2        | ND          | 97.7        | 85-115  | 1.77 | 20    |      |
| Batch AD62954 - General Preparation |        |             |       |             |             |             |         |      |       |      |
| Blank (AD62954-BLK1)                |        |             |       | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /12/16  |      |       |      |
| Total Dissolved Solids              | ND     | 10          | mg/L  |             |             |             |         |      |       |      |
| Duplicate (AD62954-DUP1)            | Sou    | rce: 16D021 | 3-01  | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /12/16  |      |       |      |
| Total Dissolved Solids              | 600    | 10          | mg/L  |             | 652         |             |         | 8.31 | 15    |      |
| Duplicate (AD62954-DUP2)            | Sou    | rce: 16D023 | 0-02  | Prepared: ( | 04/06/16 A  | nalyzed: 04 | -/12/16 |      |       |      |
| Total Dissolved Solids              | 376    | 10          | mg/L  |             | 404         |             |         | 7.18 | 15    |      |
| Batch AD62960 - General Preparation |        |             |       |             |             |             |         |      |       |      |
| Duplicate (AD62960-DUP1)            | Sou    | rce: 16D017 | 0-02  | Prepared &  | ኔ Analyzed: | 04/06/16    |         |      |       |      |
| Bicarbonate                         | 14.6   | 5.0         | mg/L  |             | 14.6        |             |         | 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     | 12.0   | 5.0         | mg/L  |             | 12.0        |             |         | 0.00 | 20    |      |
| Total Alkalinity as CaCO3           | 12.0   | 5.0         | mg/L  |             | 12.0        |             |         | 0.00 | 20    |      |
| Batch AD62969 - General Preparation |        |             |       |             |             |             |         |      |       |      |
| Blank (AD62969-BLK1)                |        |             |       | Prepared: ( | 04/06/16 A  | nalyzed: 04 | -/08/16 |      |       |      |
| Total Suspended Solids              | ND     | 1.0         | mg/L  |             |             |             |         |      |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

| Analysis (a)                        | D14    | Reporting   | T T : 4 | Spike       | Source      | 0/DEC       | %REC   | DDD   | RPD   | Flag |
|-------------------------------------|--------|-------------|---------|-------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units   | Level       | Result      | %REC        | Limits | RPD   | Limit | гіад |
| Batch AD62969 - General Preparation |        |             |         |             |             |             |        |       |       |      |
| Duplicate (AD62969-DUP1)            | Sou    | rce: 16D020 | 2-01    | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /08/16 |       |       |      |
| Total Suspended Solids              | 468    | 1.0         | mg/L    |             | 490         |             |        | 4.70  | 30    |      |
| Duplicate (AD62969-DUP2)            | Sou    | rce: 16D036 | 1-01    | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /08/16 |       |       |      |
| Total Suspended Solids              | 382    | 1.0         | mg/L    | •           | 335         | -           |        | 13.2  | 30    |      |
| Batch AD63089 - General Prep        |        |             |         |             |             |             |        |       |       |      |
| Blank (AD63089-BLK1)                |        |             |         | Prepared &  | Analyzed:   | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | ND     | 0.040       | mg/L    |             |             |             |        |       |       |      |
| LCS (AD63089-BS1)                   |        |             |         | Prepared &  | z Analyzed: | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | 0.200  | 0.040       | mg/L    | 0.200       |             | 99.8        | 85-115 |       |       |      |
| Duplicate (AD63089-DUP1)            | Sou    | rce: 16D037 | 0-02    | Prepared &  | z Analyzed: | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | 3.21   | 0.80        | mg/L    |             | 3.24        |             |        | 0.831 | 20    |      |
| Matrix Spike (AD63089-MS1)          | Sou    | rce: 16D037 | 0-02    | Prepared &  | z Analyzed: | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | 4.96   | 0.80        | mg/L    | 2.00        | 3.24        | 86.1        | 70-130 |       |       |      |
| Matrix Spike (AD63089-MS2)          | Sou    | rce: 16D037 | 2-02    | Prepared &  | Analyzed:   | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | 5.04   | 0.80        | mg/L    | 2.00        | 3.51        | 76.7        | 70-130 |       |       |      |
| Matrix Spike Dup (AD63089-MSD1)     | Sou    | rce: 16D037 | 0-02    | Prepared &  | z Analyzed: | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | 4.99   | 0.80        | mg/L    | 2.00        | 3.24        | 87.4        | 70-130 | 0.543 | 20    |      |
| Batch AD63127 - General Preparation |        |             |         |             |             |             |        |       |       |      |
| Blank (AD63127-BLK1)                |        |             |         | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /11/16 |       |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0         | mg/L    | -           |             | -           |        |       |       |      |



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

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

Reported: 04/19/16 10:42

| Analyte(s)                          | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC        | %REC<br>Limits | RPD | RPD<br>Limit | Flag |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|-------------|----------------|-----|--------------|------|
| Batch AD63127 - General Preparation |        |                    |       |                |                  |             |                |     |              |      |
| Blank (AD63127-BLK2)                |        |                    |       | Prepared: (    | 04/06/16 A       | nalyzed: 04 | /11/16         |     |              |      |
| Biochemical Oxygen Demand           | ND     | 5.0                | mg/L  |                |                  |             |                |     |              |      |
| LCS (AD63127-BS1)                   |        |                    |       | Prepared: (    | 04/05/16 A       | nalyzed: 04 | /10/16         |     |              |      |
| Biochemical Oxygen Demand           | 220    | 5.0                | mg/L  | 200            |                  | 110         | 84-115         |     |              |      |
| Duplicate (AD63127-DUP1)            | Sou    | rce: 16D0344       | 4-02  | Prepared: (    | 04/06/16 A       | nalyzed: 04 | /11/16         |     |              |      |
| Biochemical Oxygen Demand           | ND     | 5.0                | mg/L  |                | ND               |             |                |     | 30           |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

## Anions by EPA Method 300.0 - Quality Control

| Analyte(s)                          | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD    | RPD<br>Limit | Flag  |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|--------|--------------|-------|
|                                     | Result | Lillit             | Units | Level          | Result           | /0KEC    | Lillits        | KrD    | Liiiit       | 1 145 |
| Satch AD62920 - General Preparation |        |                    |       |                |                  |          |                |        |              |       |
| Blank (AD62920-BLK1)                |        |                    |       | Prepared &     | Analyzed:        | 04/05/16 |                |        |              |       |
| Nitrite as N                        | ND     | 0.20               | 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  |                |                  |          |                |        |              |       |
| Chloride                            | ND     | 0.50               | mg/L  |                |                  |          |                |        |              |       |
| LCS (AD62920-BS1)                   |        |                    |       | Prepared &     | Analyzed:        | 04/05/16 |                |        |              |       |
| Nitrite as NO2                      | 18.0   | 1.0                | mg/L  | 18.2           |                  | 98.8     | 90-110         |        |              |       |
| Nitrate as NO3                      | 26     | 1.0                | mg/L  | 24.7           |                  | 104      | 90-110         |        |              |       |
| Nitrate as N                        | 5.80   | 0.20               | mg/L  | 5.56           |                  | 104      | 90-110         |        |              |       |
| Nitrite as N                        | 5.47   | 0.20               | mg/L  | 5.56           |                  | 98.5     | 90-110         |        |              |       |
| Chloride                            | 11.5   | 0.50               | mg/L  | 11.1           |                  | 103      | 90-110         |        |              |       |
| Duplicate (AD62920-DUP1)            | Sou    | ırce: 16D016       | 6-01  | Prepared &     | Analyzed:        | 04/05/16 |                |        |              |       |
| Chloride                            | 3.78   | 0.50               | mg/L  |                | 3.78             |          |                | 0.0264 | 20           |       |
| Nitrate as NO3                      | ND     | 1.0                | mg/L  |                | ND               |          |                |        | 20           |       |
| Nitrite as N                        | ND     | 0.20               | mg/L  |                | ND               |          |                |        | 20           |       |
| Nitrate as N                        | ND     | 0.20               | mg/L  |                | ND               |          |                |        | 20           |       |
| Nitrite as NO2                      | ND     | 1.0                | mg/L  |                | ND               |          |                |        | 20           |       |
| Matrix Spike (AD62920-MS1)          | Sou    | ırce: 16D016       | 6-01  | Prepared &     | Analyzed:        | 04/05/16 |                |        |              |       |
| Chloride                            | 14.9   | 2.5                | mg/L  | 11.1           | 3.78             | 100      | 80-120         |        |              |       |
| Nitrite as N                        | 5.30   | 1.0                | mg/L  | 5.56           | ND               | 95.4     | 80-120         |        |              |       |
| Nitrate as N                        | 5.44   | 1.0                | mg/L  | 5.56           | ND               | 98.0     | 80-120         |        |              |       |
| Nitrite as NO2                      | 17.4   | 5.0                | mg/L  | 18.2           | ND               | 95.7     | 80-120         |        |              |       |
| Nitrate as NO3                      | 24     | 5.0                | mg/L  | 24.7           | ND               | 97.7     | 80-120         |        |              |       |
| Matrix Spike (AD62920-MS2)          | Sou    | ırce: 16D016       | 7-01  | Prepared &     | Analyzed:        | 04/06/16 |                |        |              |       |
| Nitrate as N                        | 7.01   | 0.20               | mg/L  | 5.56           | 0.237            | 122      | 80-120         |        |              | QM-0  |
| Nitrite as NO2                      | 20.1   | 1.0                | mg/L  | 18.2           | ND               | 110      | 80-120         |        |              |       |
| Nitrate as NO3                      | 31     | 1.0                | mg/L  | 24.7           | 1.0              | 122      | 80-120         |        |              | QM-0  |
| Nitrite as N                        | 6.12   | 0.20               | mg/L  | 5.56           | ND               | 110      | 80-120         |        |              |       |
| Chloride                            | 14.7   | 0.50               | mg/L  | 11.1           | 3.13             | 105      | 80-120         |        |              |       |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

### Anions by EPA Method 300.0 - Quality Control

|                                     |        | Reporting  |       |            | Source    |          | %REC   |       | RPD   |      |
|-------------------------------------|--------|------------|-------|------------|-----------|----------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit      | Units | Level      | Result    | %REC     | Limits | RPD   | Limit | Flag |
| Batch AD62920 - General Preparation |        |            |       |            |           |          |        |       |       |      |
| Matrix Spike Dup (AD62920-MSD1)     | Sour   | ce: 16D016 | 6-01  | Prepared & | Analyzed: | 04/05/16 |        |       |       |      |
| Chloride                            | 14.9   | 2.5        | mg/L  | 11.1       | 3.78      | 100      | 80-120 | 0.112 | 20    |      |
| Nitrate as N                        | 5.47   | 1.0        | mg/L  | 5.56       | ND        | 98.4     | 80-120 | 0.437 | 20    |      |
| Nitrite as NO2                      | 17.5   | 5.0        | mg/L  | 18.2       | ND        | 96.1     | 80-120 | 0.418 | 20    |      |
| Nitrate as NO3                      | 24     | 5.0        | mg/L  | 24.7       | ND        | 98.2     | 80-120 | 0.437 | 20    |      |
| Nitrite as N                        | 5.32   | 1.0        | mg/L  | 5.56       | ND        | 95.8     | 80-120 | 0.418 | 20    |      |



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West Bay Sanitary District Project Manager: John Simonetti 500 Laurel Street Project: WQ Monitoring Menlo Park, CA 94025 Project Number: Oak Avenue

Reported: 04/19/16 10:42

#### **Notes and Definitions**

| QM-01 | The spike recovery for this QC sample is outside of established control limits possibly due to a sample matrix interference.                                                                                                                         |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| QM-05 | The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.                           |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.                                                                                                                     |
| QM-4X | The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits. |
| T-1   | This sample was received outside recommended holding time.                                                                                                                                                                                           |
| 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-2   | Sample analyzed outside of recommended holding time per client.                                                                                                                                                                                      |
| ND    | Analyte NOT DETECTED at or above the reporting limit                                                                                                                                                                                                 |
| dry   | Sample results reported on a dry weight basis                                                                                                                                                                                                        |
| REC   | Recovery                                                                                                                                                                                                                                             |
| RPD   | Relative Percent Difference                                                                                                                                                                                                                          |



WATERS, SEDIMENTS, SOLIDS

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# Work Order Chain of Custody Record

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

|        | 1600196 |      |    |  |
|--------|---------|------|----|--|
| Lab No | 1600178 | Page | of |  |

| Company/Name:                                                                                                |      | Project II     | D:     |              |                |              |      |      |          | _         |           |               |        | _            | Sign       | nature              | belo           | w aut              | norize                  | s wo                     | k und  | ier ter | ms st | ated on r | everse side.        |                                  |
|--------------------------------------------------------------------------------------------------------------|------|----------------|--------|--------------|----------------|--------------|------|------|----------|-----------|-----------|---------------|--------|--------------|------------|---------------------|----------------|--------------------|-------------------------|--------------------------|--------|---------|-------|-----------|---------------------|----------------------------------|
| West Bay Sanitary District                                                                                   |      |                |        | W            | Q N            | /lo          | nit  | ori  | ng       |           |           |               |        | )            |            |                     |                | nalys              |                         | _                        |        |         |       |           | Sample Notes        | TAT                              |
| Malling Address:<br>500 Laurel Street<br>Menlo Park, CA 94025                                                |      | Project N      | lo:    |              | Oak            | : <b>A</b>   | /er  | านธ  | )        |           |           |               |        | Ι-           | Γ          | Τ                   |                | ,<br> -            |                         | <u>.</u>                 | _      |         |       |           |                     | 24 hr                            |
| Project Contact & Email (Hardcopy or PDF t<br>John Simonetti<br>jsimonetti@westbaysanitary.org<br>Phone/Fax: | to): | PO#            |        |              |                |              | _    | _    |          |           |           |               |        |              | Ca, Mg, Na | Ammonia, Phosphorus |                | O2, NO3            | Alkalinity, Bicarbonate | SAR Adjusted Calculation |        |         |       |           | 4.9                 | A W A Approval Required For Rush |
| Field Sampler - Print Name & Signature                                                                       |      |                | _ (    | Con          | taine          | r li         | res  | erv  | ative    | e N       | latr      | ix            |        | ľ            |            | Phos                | ogen           | Chloride, EC, NO2, | Bicari                  | sted (                   |        |         |       |           |                     | proval R                         |
| Comple                                                                                                       |      | nple<br>ection | iai    |              |                |              |      |      |          |           |           |               | ΩOΩ    | 揯            | 200.7 - B, | Jonia               | Total Nitrogen | ride,              | linity.                 | Adju                     | et e   |         |       |           |                     | 2 wk                             |
| Sample<br>Identification                                                                                     | Date | Time           | 40ml V | Poly         | Sleeve         | Officer      | H NO | H2SO | Other    | Water     | Soil      | Other         | aos na | 2            | 200.       | Amn                 | Tota           | 웅                  | Aka                     | SAR                      | Silica | TDS     | TSS   |           |                     | (standard)                       |
| Oak Avenue                                                                                                   | 4-14 | 090            | þ      | 4            |                | 4            | 1    | _    |          | 2 x       | $\neg$    | Н             | x      | x            | х          | х                   | x              | х                  | х                       | x                        | x      | x       | х     |           |                     |                                  |
|                                                                                                              |      |                |        | +            |                | $\dagger$    | +    | +    | H        | $\dagger$ | +         | $\forall$     |        |              | ╁╌         | ╁                   |                | -                  |                         |                          | _      | _       |       |           | -                   |                                  |
|                                                                                                              |      |                | П      | $\downarrow$ |                | $\downarrow$ | Τ-   | 1    |          | Ŧ         | 1         |               |        |              | <u> </u>   |                     |                |                    |                         |                          |        |         |       |           |                     |                                  |
|                                                                                                              |      |                | H      | +            |                | $\dagger$    | +    | +    | +        | $\dagger$ | $\dagger$ | $\dagger$     |        | -            | -          |                     |                |                    |                         |                          |        |         |       | +-        | -                   |                                  |
|                                                                                                              |      |                |        |              | $\blacksquare$ | 1            | 1    | L    |          | Ţ         | Ţ         | П             |        |              |            |                     |                |                    |                         |                          |        |         |       |           | _                   |                                  |
|                                                                                                              |      |                | Н      | +            | +              | +            | +    | +    | $\vdash$ | +         | +         | ${\mathbb H}$ |        | -            | ╁          | $\vdash$            |                | ┝                  |                         |                          |        |         | _     | +         |                     |                                  |
|                                                                                                              |      | _              |        |              |                | 1            | 1    |      |          | 1         | Ţ         | П             |        |              |            |                     |                |                    |                         |                          |        |         |       |           |                     |                                  |
|                                                                                                              |      |                | Н      | +            | +              | +            | +    | +    | ╁┼       | +         | +         | $\mathbb{H}$  |        | -            | -          | ╁                   | _              |                    |                         |                          |        |         | -     | -         | _                   |                                  |
|                                                                                                              |      |                |        |              |                | 1            | 丰    |      |          | 丰         |           |               |        |              |            |                     |                |                    |                         |                          |        |         |       |           |                     |                                  |
| Relinquished by: Mark Praturion                                                                              |      | Received       | by:    |              | 7              | y)           |      |      | <u>j</u> |           | <u> </u>  | Dat           |        | <u></u> _    | Time       |                     |                | CD                 | PH V                    | Write                    | e Or   | n EC    | T R   | eport?    | Yes                 | No ()                            |
| Relingbished by:                                                                                             |      | Received       | 6×     |              |                |              |      |      | _        |           |           | Date 3        | ~ /.   | <u>b_</u>    | Time       | 20<br>72            |                |                    |                         |                          |        |         | nbe   | •         |                     |                                  |
| Relinquished by:                                                                                             |      | Received       | ИSy:   |              | 4              | <u> </u>     |      | _    |          | •         | _         | Date 4        |        | 1/11.        |            |                     |                | CA                 | Geo                     | otrac                    | ker    | EDF     | Re    | port      | Yes O               | , No                             |
| Relinquished by:                                                                                             |      | Received<br>(  | by:    |              | P              |              |      |      | _        |           |           | Date          |        | 1/16<br>1/16 | լսայ       | 2(7.1               | 20             | Sar                | nplir<br>bal l          | ng C                     | omp    | oany    | Log   | Code      | to (Email Address): |                                  |
| Relinquished by:                                                                                             |      | Received       | by:    |              |                |              |      |      |          |           |           | Date          | е      |              | Time       | B                   | ·              | Trav               | el an                   | d Sit                    | e Tin  | ne;     | Milea | ige:      | Misc. Supplies:     |                                  |



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ELAP Certificates 1551, 2728, and 2922

19 April 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

**RE: WQ Monitoring** 

Work Order: 16D0200

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

Sincerely,

Jeanette L. Poplin For Robbie C. Phillips

Jeanette Popli

Project Manager



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID  | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------|---------------|--------|----------------|----------------|
| Oak Avenue | 16D0200-01    | Water  | 04/02/16 09:00 | 04/04/16 21:20 |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

|                                              | Result        | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method        | Note      |
|----------------------------------------------|---------------|-----------------|----------|---------|----------------|-------------------|---------------|-----------|
| Oak Avenue (16D0200-01)                      |               | Sample Type:    | Water    |         | Sample         | d: 04/02/16 09:00 |               |           |
| Metals by EPA 200 Series Methods             |               |                 |          |         |                |                   |               |           |
| Boron                                        | 0.31 mg/L     | 0.050           | 1        | AD63175 | 04/12/16 16:00 | 04/14/16 16:11    | EPA 200.7     |           |
| Calcium                                      | 38 mg/L       | 1.0             | 1        | AD63175 | 04/12/16 16:00 | 04/14/16 16:11    | EPA 200.7     |           |
| Magnesium                                    | 22 mg/L       | 1.0             | 1        | AD63175 | 04/12/16 16:00 | 04/14/16 16:11    | EPA 200.7     |           |
| Sodium                                       | 70 mg/L       | 1.0             | 1        | AD63175 | 04/12/16 16:00 | 04/14/16 16:11    | EPA 200.7     |           |
| Conventional Chemistry Parameters by APHA    | /EPA Methods  |                 |          |         |                |                   |               |           |
| Ammonia as NH3                               | 60 mg/L       | 0.50            | 1        | AD62949 | 04/06/16 08:00 | 04/06/16 17:00    | SM4500NH3C    |           |
| Bicarbonate                                  | 370 mg/L      | 5.0             | 1        | AD62960 | 04/06/16 09:33 | 04/06/16 17:00    | SM2320B       |           |
| Biochemical Oxygen Demand                    | 320 mg/L      | 5.0             | 1        | AD63127 | 04/06/16 12:00 | 04/11/16 13:00    | SM5210B       | T-1, T-16 |
| рН                                           | 7.49 pH Units | 1.68            | 1        | AD62924 | 04/04/16 18:40 | 04/04/16 18:40    | SM4500-H+ B   | T-14      |
| Specific Conductance (EC)                    | 1100 umhos/cm | 20              | 1        | AD62910 | 04/05/16 17:00 | 04/05/16 17:00    | SM2510B       |           |
| Total Dissolved Solids                       | 500 mg/L      | 10              | 1        | AD62954 | 04/06/16 09:00 | 04/12/16 08:45    | SM2540C       |           |
| Total Suspended Solids                       | 410 mg/L      | 1.0             | 1        | AD62969 | 04/06/16 11:13 | 04/08/16 11:00    | SM2540D       |           |
| Silica                                       | 19 mg/L       | 2.0             | 2        | AD62927 | 04/05/16 14:15 | 04/05/16 16:30    | SM4500-SiO2 C |           |
| Bicarbonate Alkalinity as CaCO3              | 300 mg/L      | 5.0             | 1        | AD62960 | 04/06/16 09:33 | 04/06/16 17:00    | SM2320B       |           |
| Carbonate Alkalinity as CaCO3                | ND mg/L       | 5.0             | 1        | AD62960 | 04/06/16 09:33 | 04/06/16 17:00    | SM2320B       |           |
| Hydroxide Alkalinity as CaCO3                | ND mg/L       | 5.0             | 1        | AD62960 | 04/06/16 09:33 | 04/06/16 17:00    | SM2320B       |           |
| Total Alkalinity as CaCO3                    | 300 mg/L      | 5.0             | 1        | AD62960 | 04/06/16 09:33 | 04/06/16 17:00    | SM2320B       |           |
| Total Kjeldahl Nitrogen                      | 57 mg/L       | 1.0             | 1        | AD62911 | 04/06/16 09:41 | 04/07/16 09:23    | SM4500-Norg B |           |
| Total Nitrogen                               | 57 mg/L       | 1.0             | 1        | AD62999 | 04/07/16 08:43 | 04/12/16 09:47    | SM4500-N      |           |
| Phosphorus, total                            | 7.0 mg/L      | 0.80            | 2        | AD63089 | 04/11/16 08:00 | 04/11/16 12:48    | SM4500-P E    |           |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters |                 |          |         |                |                   |               |           |
| Sodium Adsorption Ratio-Adj RNa              | 2.60 NA       |                 | 1        | AD63175 | 04/12/16 16:00 | 04/19/16 07:20    | SAR           |           |



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West Bay Sanitary DistrictProject Manager: John Simonetti500 Laurel StreetProject: WQ MonitoringReported:Menlo Park, CA 94025Project Number: Oak Avenue04/19/16 10:42

|                                                       | Result  | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method    | Note |
|-------------------------------------------------------|---------|-----------------|----------|---------|----------------|-------------------|-----------|------|
| Oak Avenue (16D0200-01)<br>Anions by EPA Method 300.0 |         | Sample Type:    | : Water  |         | Sample         | d: 04/02/16 09:00 |           | _    |
| Chloride                                              | 74 mg/L | 10              | 20       | AD62920 | 04/05/16 17:18 | 04/05/16 17:18    | EPA 300.0 |      |
| Nitrate as N                                          | ND mg/L | 0.20            | 1        | AD62920 | 04/05/16 17:34 | 04/05/16 17:34    | EPA 300.0 | T-2  |
| Nitrate as NO3                                        | ND mg/L | 1.0             | 1        | AD62920 | 04/05/16 17:34 | 04/05/16 17:34    | EPA 300.0 | T-2  |
| Nitrite as N                                          | ND mg/L | 0.20            | 1        | AD62920 | 04/05/16 17:34 | 04/05/16 17:34    | EPA 300.0 | T-2  |
| Nitrite as NO2                                        | ND mg/L | 1.0             | 1        | AD62920 | 04/05/16 17:34 | 04/05/16 17:34    | EPA 300.0 | T-2  |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

## **Metals by EPA 200 Series Methods - Quality Control**

|                               |        | Reporting  |       | Spike       | Source     |             | %REC   |      | RPD   |       |
|-------------------------------|--------|------------|-------|-------------|------------|-------------|--------|------|-------|-------|
| Analyte(s)                    | Result | Limit      | Units | Level       | Result     | %REC        | Limits | RPD  | Limit | Flag  |
| Batch AD63175 - Metals Digest |        |            |       |             |            |             |        |      |       |       |
| Blank (AD63175-BLK1)          |        |            |       | Prepared: ( | 04/12/16 A | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | ND     | 0.050      | mg/L  |             |            |             |        |      |       |       |
| Calcium                       | ND     | 1.0        | mg/L  |             |            |             |        |      |       |       |
| Magnesium                     | ND     | 1.0        | mg/L  |             |            |             |        |      |       |       |
| Sodium                        | ND     | 1.0        | mg/L  |             |            |             |        |      |       |       |
| LCS (AD63175-BS1)             |        |            |       | Prepared: ( | 04/12/16 A | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.386  | 0.050      | mg/L  | 0.400       |            | 96.6        | 85-115 |      |       |       |
| Calcium                       | 7.87   | 1.0        | mg/L  | 8.00        |            | 98.4        | 85-115 |      |       |       |
| Magnesium                     | 8.39   | 1.0        | mg/L  | 8.00        |            | 105         | 85-115 |      |       |       |
| Sodium                        | 8.35   | 1.0        | mg/L  | 8.00        |            | 104         | 85-115 |      |       |       |
| Duplicate (AD63175-DUP1)      | Sour   | ce: 16D016 | 6-01  | Prepared: ( | 04/12/16 A | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.0889 | 0.050      | mg/L  |             | 0.0865     |             |        | 2.72 | 20    |       |
| Calcium                       | 11.9   | 1.0        | mg/L  |             | 11.7       |             |        | 1.16 | 20    |       |
| Magnesium                     | 27.2   | 1.0        | mg/L  |             | 27.6       |             |        | 1.55 | 20    |       |
| Sodium                        | 6.84   | 1.0        | mg/L  |             | 6.72       |             |        | 1.84 | 20    |       |
| Matrix Spike (AD63175-MS1)    | Sour   | ce: 16D016 | 6-01  | Prepared: ( | 04/12/16 A | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.432  | 0.050      | mg/L  | 0.400       | 0.0865     | 86.3        | 70-130 |      |       |       |
| Calcium                       | 18.2   | 1.0        | mg/L  | 8.00        | 11.7       | 80.9        | 70-130 |      |       |       |
| Magnesium                     | 32.2   | 1.0        | mg/L  | 8.00        | 27.6       | 58.2        | 70-130 |      |       | QM-01 |
| Sodium                        | 13.9   | 1.0        | mg/L  | 8.00        | 6.72       | 90.0        | 70-130 |      |       |       |
| Matrix Spike (AD63175-MS2)    | Sour   | ce: 16D019 | 8-01  | Prepared: ( | 04/12/16 A | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.577  | 0.050      | mg/L  | 0.400       | 0.197      | 94.8        | 70-130 |      |       |       |
| Calcium                       | 88.7   | 1.0        | mg/L  | 8.00        | 78.3       | 130         | 70-130 |      |       |       |
| Magnesium                     | 79.4   | 1.0        | mg/L  | 8.00        | 67.9       | 144         | 70-130 |      |       | QM-4X |
| Sodium                        | 51.9   | 1.0        | mg/L  | 8.00        | 42.6       | 116         | 70-130 |      |       |       |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

### Metals by EPA 200 Series Methods - Quality Control

| Analyte(s)                      | Result | Reporting<br>Limit | Units  | Spike<br>Level | Source<br>Result | %REC        | %REC<br>Limits | RPD  | RPD<br>Limit | Flag |
|---------------------------------|--------|--------------------|--------|----------------|------------------|-------------|----------------|------|--------------|------|
| Allalyte(s)                     | Result | Liiiii             | Ullits | Level          | Result           | /0KEC       | Lillits        | KFD  | Lillit       | Tiug |
| Batch AD63175 - Metals Digest   |        |                    |        |                |                  |             |                |      |              |      |
| Matrix Spike Dup (AD63175-MSD1) | Sour   | ce: 16D016         | 6-01   | Prepared: (    | 04/12/16 Ar      | nalyzed: 04 | /14/16         |      |              |      |
| Boron                           | 0.462  | 0.050              | mg/L   | 0.400          | 0.0865           | 93.9        | 70-130         | 6.86 | 20           |      |
| Calcium                         | 19.0   | 1.0                | mg/L   | 8.00           | 11.7             | 90.3        | 70-130         | 4.03 | 20           |      |
| Magnesium                       | 33.7   | 1.0                | mg/L   | 8.00           | 27.6             | 76.2        | 70-130         | 4.37 | 20           |      |
| Sodium                          | 14.6   | 1.0                | mg/L   | 8.00           | 6.72             | 98.3        | 70-130         | 4.65 | 20           |      |



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Reported: 04/19/16 10:42

|                                     |        | Reporting    |          | Spike       | Source      |             | %REC    |       | RPD   |      |
|-------------------------------------|--------|--------------|----------|-------------|-------------|-------------|---------|-------|-------|------|
| Analyte(s)                          | Result | Limit        | Units    | Level       | Result      | %REC        | Limits  | RPD   | Limit | Flag |
| Batch AD62910 - General Preparation |        |              |          |             |             |             |         |       |       |      |
| Duplicate (AD62910-DUP1)            | Sou    | ırce: 16D023 | 6-03     | Prepared &  | Analyzed:   | 04/05/16    |         |       |       |      |
| Specific Conductance (EC)           | 165    | 20           | umhos/cm |             | 165         |             |         | 0.00  | 5     |      |
| Batch AD62911 - General Prep        |        |              |          |             |             |             |         |       |       |      |
| LCS (AD62911-BS1)                   |        |              |          | Prepared: ( | 04/05/16 A  | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0          | mg/L     | 2.98        |             | 99.0        | 80-120  |       |       |      |
| LCS Dup (AD62911-BSD1)              |        |              |          | Prepared: ( | 04/05/16 A  | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0          | mg/L     | 2.98        |             | 99.0        | 80-120  | 0.00  | 20    |      |
| Matrix Spike (AD62911-MS1)          | Soi    | ırce: 16D019 | 1-01     | Prepared: ( | 04/05/16 A  | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 43.4   | 1.0          | mg/L     | 22.6        | 24.5        | 83.5        | 75-125  |       |       |      |
| Matrix Spike Dup (AD62911-MSD1)     | Sou    | urce: 16D019 | 1-01     | Prepared: ( | 04/05/16 A  | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 43.4   | 1.0          | mg/L     | 22.6        | 24.5        | 83.5        | 75-125  | 0.00  | 20    |      |
| Batch AD62924 - General Preparation |        |              |          |             |             |             |         |       |       |      |
| Duplicate (AD62924-DUP1)            | Sou    | ırce: 16D022 | 9-01     | Prepared &  | α Analyzed: | 04/04/16    |         |       |       |      |
| рН                                  | 9.00   | 1.68         | pH Units |             | 8.91        |             |         | 1.01  | 20    |      |
| Duplicate (AD62924-DUP2)            | Soi    | ırce: 16D022 | 24-01    | Prepared &  | Analyzed:   | 04/04/16    |         |       |       |      |
| рН                                  | 8.33   | 1.68         | pH Units |             | 8.39        |             |         | 0.718 | 20    |      |
| Batch AD62927 - General Preparation |        |              |          |             |             |             |         |       |       |      |
| Blank (AD62927-BLK1)                |        |              |          | Prepared &  | Analyzed:   | 04/05/16    |         |       |       |      |
| Silica                              | ND     | 1.0          | mg/L     |             |             |             |         |       |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

|                                     |        | Reporting   |       | Spike      | Source    |          | %REC   |       | RPD   |       |
|-------------------------------------|--------|-------------|-------|------------|-----------|----------|--------|-------|-------|-------|
| Analyte(s)                          | Result | Limit       | Units | Level      | Result    | %REC     | Limits | RPD   | Limit | Flag  |
| Batch AD62927 - General Preparation |        |             |       |            |           |          |        |       |       |       |
| LCS (AD62927-BS1)                   |        |             |       | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 10.0   | 1.0         | mg/L  | 10.0       |           | 100      | 85-115 |       |       |       |
| LCS Dup (AD62927-BSD1)              |        |             |       | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 10.6   | 1.0         | mg/L  | 10.0       |           | 106      | 85-115 | 5.65  | 20    |       |
| Duplicate (AD62927-DUP1)            | Sou    | rce: 16D023 | 0-01  | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 18.7   | 1.0         | mg/L  |            | 18.4      |          |        | 1.57  | 20    |       |
| Matrix Spike (AD62927-MS1)          | Sou    | rce: 16D023 | 0-01  | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 22.3   | 1.0         | mg/L  | 5.00       | 18.4      | 78.0     | 80-120 |       |       | QM-05 |
| Matrix Spike Dup (AD62927-MSD1)     | Sou    | rce: 16D023 | 0-01  | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 22.2   | 1.0         | mg/L  | 5.00       | 18.4      | 75.1     | 80-120 | 0.656 | 20    | QM-05 |
| Batch AD62949 - General Preparation |        |             |       |            |           |          |        |       |       |       |
| Blank (AD62949-BLK1)                |        |             |       | Prepared & | Analyzed: | 04/06/16 |        |       |       |       |
| Ammonia as NH3                      | ND     | 0.50        | mg/L  |            |           |          |        |       |       |       |
| LCS (AD62949-BS1)                   |        |             |       | Prepared & | Analyzed: | 04/06/16 |        |       |       |       |
| Ammonia as NH3                      | 5.75   | 0.50        | mg/L  | 6.10       |           | 94.2     | 90-110 |       |       |       |
| LCS Dup (AD62949-BSD1)              |        |             |       | Prepared & | Analyzed: | 04/06/16 |        |       |       |       |
| Ammonia as NH3                      | 5.85   | 0.50        | mg/L  | 6.10       |           | 96.0     | 90-110 | 1.83  | 10    |       |
| Matrix Spike (AD62949-MS1)          | Sou    | rce: 16D015 | 9-01  | Prepared & | Analyzed: | 04/06/16 |        |       |       |       |
| Ammonia as NH3                      | 12.1   | 0.50        | mg/L  | 12.2       | ND        | 99.5     | 85-115 |       |       |       |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

|                                     |        | Reporting   |       | Spike       | Source     |             | %REC    |      | RPD   |      |
|-------------------------------------|--------|-------------|-------|-------------|------------|-------------|---------|------|-------|------|
| Analyte(s)                          | Result | Limit       | Units | Level       | Result     | %REC        | Limits  | RPD  | Limit | Flag |
| Batch AD62949 - General Preparation |        |             |       |             |            |             |         |      |       |      |
| Matrix Spike Dup (AD62949-MSD1)     | Sou    | rce: 16D015 | 9-01  | Prepared &  | Analyzed:  | 04/06/16    |         |      |       |      |
| Ammonia as NH3                      | 11.9   | 0.50        | mg/L  | 12.2        | ND         | 97.7        | 85-115  | 1.77 | 20    |      |
| Batch AD62954 - General Preparation |        |             |       |             |            |             |         |      |       |      |
| Blank (AD62954-BLK1)                |        |             |       | Prepared: ( | 04/06/16 A | nalyzed: 04 | /12/16  |      |       |      |
| Total Dissolved Solids              | ND     | 10          | mg/L  |             |            |             |         |      |       |      |
| Duplicate (AD62954-DUP1)            | Sou    | rce: 16D021 | 3-01  | Prepared: ( | 04/06/16 A | nalyzed: 04 | /12/16  |      |       |      |
| Total Dissolved Solids              | 600    | 10          | mg/L  |             | 652        |             |         | 8.31 | 15    |      |
| Duplicate (AD62954-DUP2)            | Sou    | rce: 16D023 | 0-02  | Prepared: ( | 04/06/16 A | nalyzed: 04 | /12/16  |      |       |      |
| Total Dissolved Solids              | 376    | 10          | mg/L  |             | 404        |             |         | 7.18 | 15    |      |
| Batch AD62960 - General Preparation |        |             |       |             |            |             |         |      |       |      |
| Duplicate (AD62960-DUP1)            | Sou    | rce: 16D017 | 0-02  | Prepared &  | Analyzed:  | 04/06/16    |         |      |       |      |
| Bicarbonate                         | 14.6   | 5.0         | mg/L  |             | 14.6       |             |         | 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     | 12.0   | 5.0         | mg/L  |             | 12.0       |             |         | 0.00 | 20    |      |
| Total Alkalinity as CaCO3           | 12.0   | 5.0         | mg/L  |             | 12.0       |             |         | 0.00 | 20    |      |
| Batch AD62969 - General Preparation |        |             |       |             |            |             |         |      |       |      |
| Blank (AD62969-BLK1)                |        |             |       | Prepared: ( | 04/06/16 A | nalyzed: 04 | -/08/16 |      |       |      |
| Total Suspended Solids              | ND     | 1.0         | mg/L  |             |            |             |         |      |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

| Analysis (a)                        | D14    | Reporting   | T T : 4 | Spike       | Source      | 0/DEC       | %REC   | DDD   | RPD   | Flag |
|-------------------------------------|--------|-------------|---------|-------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units   | Level       | Result      | %REC        | Limits | RPD   | Limit | гіад |
| Batch AD62969 - General Preparation |        |             |         |             |             |             |        |       |       |      |
| Duplicate (AD62969-DUP1)            | Sou    | rce: 16D020 | 2-01    | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /08/16 |       |       |      |
| Total Suspended Solids              | 468    | 1.0         | mg/L    |             | 490         |             |        | 4.70  | 30    |      |
| Duplicate (AD62969-DUP2)            | Sou    | rce: 16D036 | 1-01    | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /08/16 |       |       |      |
| Total Suspended Solids              | 382    | 1.0         | mg/L    | •           | 335         | -           |        | 13.2  | 30    |      |
| Batch AD63089 - General Prep        |        |             |         |             |             |             |        |       |       |      |
| Blank (AD63089-BLK1)                |        |             |         | Prepared &  | Analyzed:   | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | ND     | 0.040       | mg/L    |             |             |             |        |       |       |      |
| LCS (AD63089-BS1)                   |        |             |         | Prepared &  | z Analyzed: | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | 0.200  | 0.040       | mg/L    | 0.200       |             | 99.8        | 85-115 |       |       |      |
| Duplicate (AD63089-DUP1)            | Sou    | rce: 16D037 | 0-02    | Prepared &  | z Analyzed: | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | 3.21   | 0.80        | mg/L    |             | 3.24        |             |        | 0.831 | 20    |      |
| Matrix Spike (AD63089-MS1)          | Sou    | rce: 16D037 | 0-02    | Prepared &  | z Analyzed: | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | 4.96   | 0.80        | mg/L    | 2.00        | 3.24        | 86.1        | 70-130 |       |       |      |
| Matrix Spike (AD63089-MS2)          | Sou    | rce: 16D037 | 2-02    | Prepared &  | Analyzed:   | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | 5.04   | 0.80        | mg/L    | 2.00        | 3.51        | 76.7        | 70-130 |       |       |      |
| Matrix Spike Dup (AD63089-MSD1)     | Sou    | rce: 16D037 | 0-02    | Prepared &  | z Analyzed: | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | 4.99   | 0.80        | mg/L    | 2.00        | 3.24        | 87.4        | 70-130 | 0.543 | 20    |      |
| Batch AD63127 - General Preparation |        |             |         |             |             |             |        |       |       |      |
| Blank (AD63127-BLK1)                |        |             |         | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /11/16 |       |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0         | mg/L    | -           |             | -           |        |       |       |      |



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

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

Reported: 04/19/16 10:42

| Analyte(s)                          | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC        | %REC<br>Limits | RPD | RPD<br>Limit | Flag |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|-------------|----------------|-----|--------------|------|
| Batch AD63127 - General Preparation |        |                    |       |                |                  |             |                |     |              |      |
| Blank (AD63127-BLK2)                |        |                    |       | Prepared: (    | 04/06/16 A       | nalyzed: 04 | /11/16         |     |              |      |
| Biochemical Oxygen Demand           | ND     | 5.0                | mg/L  |                |                  |             |                |     |              |      |
| LCS (AD63127-BS1)                   |        |                    |       | Prepared: (    | 04/05/16 A       | nalyzed: 04 | /10/16         |     |              |      |
| Biochemical Oxygen Demand           | 220    | 5.0                | mg/L  | 200            |                  | 110         | 84-115         |     |              |      |
| Duplicate (AD63127-DUP1)            | Sou    | rce: 16D0344       | 4-02  | Prepared: (    | 04/06/16 A       | nalyzed: 04 | /11/16         |     |              |      |
| Biochemical Oxygen Demand           | ND     | 5.0                | mg/L  |                | ND               |             |                |     | 30           |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

## Anions by EPA Method 300.0 - Quality Control

| Analyte(s)                          | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD    | RPD<br>Limit | Flag  |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|--------|--------------|-------|
|                                     | Result | Lillit             | Units | Level          | Result           | /0KEC    | Lillits        | KrD    | Liiiit       | 1 145 |
| Satch AD62920 - General Preparation |        |                    |       |                |                  |          |                |        |              |       |
| Blank (AD62920-BLK1)                |        |                    |       | Prepared &     | Analyzed:        | 04/05/16 |                |        |              |       |
| Nitrite as N                        | ND     | 0.20               | 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  |                |                  |          |                |        |              |       |
| Chloride                            | ND     | 0.50               | mg/L  |                |                  |          |                |        |              |       |
| LCS (AD62920-BS1)                   |        |                    |       | Prepared &     | Analyzed:        | 04/05/16 |                |        |              |       |
| Nitrite as NO2                      | 18.0   | 1.0                | mg/L  | 18.2           |                  | 98.8     | 90-110         |        |              |       |
| Nitrate as NO3                      | 26     | 1.0                | mg/L  | 24.7           |                  | 104      | 90-110         |        |              |       |
| Nitrate as N                        | 5.80   | 0.20               | mg/L  | 5.56           |                  | 104      | 90-110         |        |              |       |
| Nitrite as N                        | 5.47   | 0.20               | mg/L  | 5.56           |                  | 98.5     | 90-110         |        |              |       |
| Chloride                            | 11.5   | 0.50               | mg/L  | 11.1           |                  | 103      | 90-110         |        |              |       |
| Duplicate (AD62920-DUP1)            | Sou    | ırce: 16D016       | 6-01  | Prepared &     | Analyzed:        | 04/05/16 |                |        |              |       |
| Chloride                            | 3.78   | 0.50               | mg/L  |                | 3.78             |          |                | 0.0264 | 20           |       |
| Nitrate as NO3                      | ND     | 1.0                | mg/L  |                | ND               |          |                |        | 20           |       |
| Nitrite as N                        | ND     | 0.20               | mg/L  |                | ND               |          |                |        | 20           |       |
| Nitrate as N                        | ND     | 0.20               | mg/L  |                | ND               |          |                |        | 20           |       |
| Nitrite as NO2                      | ND     | 1.0                | mg/L  |                | ND               |          |                |        | 20           |       |
| Matrix Spike (AD62920-MS1)          | Sou    | ırce: 16D016       | 6-01  | Prepared &     | Analyzed:        | 04/05/16 |                |        |              |       |
| Chloride                            | 14.9   | 2.5                | mg/L  | 11.1           | 3.78             | 100      | 80-120         |        |              |       |
| Nitrite as N                        | 5.30   | 1.0                | mg/L  | 5.56           | ND               | 95.4     | 80-120         |        |              |       |
| Nitrate as N                        | 5.44   | 1.0                | mg/L  | 5.56           | ND               | 98.0     | 80-120         |        |              |       |
| Nitrite as NO2                      | 17.4   | 5.0                | mg/L  | 18.2           | ND               | 95.7     | 80-120         |        |              |       |
| Nitrate as NO3                      | 24     | 5.0                | mg/L  | 24.7           | ND               | 97.7     | 80-120         |        |              |       |
| Matrix Spike (AD62920-MS2)          | Sou    | ırce: 16D016       | 7-01  | Prepared &     | Analyzed:        | 04/06/16 |                |        |              |       |
| Nitrate as N                        | 7.01   | 0.20               | mg/L  | 5.56           | 0.237            | 122      | 80-120         |        |              | QM-0  |
| Nitrite as NO2                      | 20.1   | 1.0                | mg/L  | 18.2           | ND               | 110      | 80-120         |        |              |       |
| Nitrate as NO3                      | 31     | 1.0                | mg/L  | 24.7           | 1.0              | 122      | 80-120         |        |              | QM-   |
| Nitrite as N                        | 6.12   | 0.20               | mg/L  | 5.56           | ND               | 110      | 80-120         |        |              |       |
| Chloride                            | 14.7   | 0.50               | mg/L  | 11.1           | 3.13             | 105      | 80-120         |        |              |       |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

### Anions by EPA Method 300.0 - Quality Control

|                                     |        | Reporting  |       | Spike      | Source    |          | %REC   |       | RPD   |      |
|-------------------------------------|--------|------------|-------|------------|-----------|----------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit      | Units | Level      | Result    | %REC     | Limits | RPD   | Limit | Flag |
| Batch AD62920 - General Preparation |        |            |       |            |           |          |        |       |       |      |
| Matrix Spike Dup (AD62920-MSD1)     | Sour   | ce: 16D016 | 6-01  | Prepared & | Analyzed: | 04/05/16 |        |       |       |      |
| Chloride                            | 14.9   | 2.5        | mg/L  | 11.1       | 3.78      | 100      | 80-120 | 0.112 | 20    |      |
| Nitrate as N                        | 5.47   | 1.0        | mg/L  | 5.56       | ND        | 98.4     | 80-120 | 0.437 | 20    |      |
| Nitrite as NO2                      | 17.5   | 5.0        | mg/L  | 18.2       | ND        | 96.1     | 80-120 | 0.418 | 20    |      |
| Nitrate as NO3                      | 24     | 5.0        | mg/L  | 24.7       | ND        | 98.2     | 80-120 | 0.437 | 20    |      |
| Nitrite as N                        | 5.32   | 1.0        | mg/L  | 5.56       | ND        | 95.8     | 80-120 | 0.418 | 20    |      |



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West Bay Sanitary District Project Manager: John Simonetti 500 Laurel Street Project: WQ Monitoring Menlo Park, CA 94025 Project Number: Oak Avenue

Reported: 04/19/16 10:42

#### **Notes and Definitions**

| QM-01 | The spike recovery for this QC sample is outside of established control limits possibly due to a sample matrix interference.                                                                                                                         |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| QM-05 | The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.                           |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.                                                                                                                     |
| QM-4X | The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits. |
| T-1   | This sample was received outside recommended holding time.                                                                                                                                                                                           |
| 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-2   | Sample analyzed outside of recommended holding time per client.                                                                                                                                                                                      |
| ND    | Analyte NOT DETECTED at or above the reporting limit                                                                                                                                                                                                 |
| dry   | Sample results reported on a dry weight basis                                                                                                                                                                                                        |
| REC   | Recovery                                                                                                                                                                                                                                             |
| RPD   | Relative Percent Difference                                                                                                                                                                                                                          |

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# Work Order **Chain of Custody Record**

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| Lab No1608 | 72 <i>00</i> | e of |
|------------|--------------|------|
|            |              |      |

| Company/Name:                                                                                     | Project II     | );       | _        |          |               |                         | _        |                | _     |              |            |            |           | Signa    | ature I                                          | oelow          | v auth             | orizes                  | worl                 | k unde     | er ten | ms sta | ted on   | rever | se side.         |                        |                                                |
|---------------------------------------------------------------------------------------------------|----------------|----------|----------|----------|---------------|-------------------------|----------|----------------|-------|--------------|------------|------------|-----------|----------|--------------------------------------------------|----------------|--------------------|-------------------------|----------------------|------------|--------|--------|----------|-------|------------------|------------------------|------------------------------------------------|
| West Bay Sanitary District                                                                        |                | _\       | NC       | Q N      | lon           | ito                     | rin      | g              |       |              |            |            | •         |          |                                                  | An             | alys               | is R                    | equ                  | est        |        |        |          | 5     | Sample Notes     | TAT                    |                                                |
| Malling Address:<br>500 Laurel Street<br>Menio Park, CA 94025                                     | Project N      | lo:      | C        | ak       | Αv            | enu                     | ıe       |                |       |              | _          |            |           |          | _                                                |                |                    |                         |                      |            |        | Ī      | -        | -     | 24 Ch            | 24 hr                  | - ush                                          |
| Project Contact & Email (Hardcopy or PDF to):<br>John Simonetti<br>jsimonetti@westbaysanitary.org | PO#            | ŧ        |          |          |               |                         |          |                |       |              |            |            |           | Na       | Sn                                               |                | NO3                | ate                     | ulation              |            |        |        |          |       | 49               | 48 hr                  | red For R                                      |
| Phone/Fax:                                                                                        | Site Con       | _        | , (S     | -گري     | D-6           | <i>H</i> :              |          |                |       |              |            |            |           | Иg,      | Phosphorus                                       | 'n             | Chloride, EC, NO2, | Alkalinity, Bicarbonate | Adjusted Calculation |            |        |        |          |       |                  | Approval Required 1 wk | Lab Approval Required For Rush                 |
| Field Sampler - Print Name & Signature                                                            |                | С        | onta     | aine     | r P           | rese                    | rva      | tive           | Ma    | at <u>ri</u> | x          |            | ,         | Ca, I    | <u>a.</u>                                        | go             | 잂                  | ĕ                       | ste                  |            |        |        |          |       |                  | $\circ$                | ppro                                           |
| Jez Boya Col                                                                                      | mple<br>ection | Vial     |          | $\prod$  |               | $\prod$                 |          |                |       |              |            | 200        | 五         | 7 - B,   | Ammonia,                                         | Total Nitrogen | oride,             | linity,                 | k Adju               | Ŕ          |        |        |          |       |                  | 2 wk<br>(standard      | Lab A                                          |
| Sample Date                                                                                       | Time           |          | Poly     | Steeve   | ja<br>E       | HNO3                    | H2S04    | Officer<br>No. | Water | Soil         | Other      | DU BOD     | <u>Da</u> | 200.7    | Amr                                              | Tota           | 등                  | Alkė                    | SAR                  | Silica     | TDS    | TSS    |          | _     |                  | 0                      |                                                |
| Oak Avenue #/2                                                                                    | 6090           | Ш        | 4        | $\perp$  | ┸             | 1                       | 1        | 4              | 2 x   |              |            | <u> </u>   | x         | ×_       | x                                                | x _            | ×                  | х                       | ×                    | x          | x      | х      | _        | _     |                  |                        |                                                |
|                                                                                                   |                | $\sqcup$ | $\perp$  | Щ        | 4             | $\downarrow \downarrow$ | 4        | _              | ┸     | ļ_           | Ц          |            |           | _        | lacksquare                                       |                | ╙                  |                         |                      |            |        |        | _        |       |                  |                        |                                                |
|                                                                                                   |                | Ш        |          |          |               |                         |          | $\perp$        | 1     |              |            |            |           | _        |                                                  |                | _                  | ļ                       |                      |            |        |        | <b>-</b> |       |                  |                        |                                                |
|                                                                                                   | <u> </u>       |          |          |          | ╧             |                         |          |                | ┸     | L            |            |            |           |          |                                                  |                |                    |                         |                      |            |        |        | _        |       |                  |                        |                                                |
|                                                                                                   |                | П        |          |          |               |                         |          | -              | ı     |              |            |            |           |          |                                                  |                |                    |                         |                      |            |        |        |          |       |                  |                        |                                                |
|                                                                                                   |                | П        |          | П        |               | П                       |          |                | 1     |              | ۱ I        | 1          |           |          |                                                  |                |                    |                         |                      |            |        |        |          |       |                  |                        |                                                |
|                                                                                                   | +              | H        | +        | T        | 十             | П                       |          | $\top$         | T     | Τ            | Ħ          |            |           |          |                                                  |                | _                  |                         |                      |            |        |        |          |       |                  |                        |                                                |
|                                                                                                   | +              | ┨┥       | _        | +        | +             | ۲                       | $\dashv$ | +              | ╁     | +            | H          |            |           | ╌        | <del>                                     </del> |                |                    | ┢                       |                      |            |        |        |          |       |                  |                        |                                                |
|                                                                                                   | <del> </del>   | 1        | +        | +        | 4             | -                       | -        | +              | ╀     | ╁            | $\vdash$   |            | ⊢         | ├        | ├                                                |                | ╁                  | <del> </del>            |                      | ├          |        |        | -+       | -     | ŀ                |                        |                                                |
|                                                                                                   |                | $\perp$  |          | $\perp$  | $\bot$        | $\perp$                 |          | 4              | ╄     | Ļ            | Ш          |            | ļ         | _        |                                                  |                | ┡                  | <b>├</b> -              |                      | <u> </u>   |        |        | $\vdash$ | _     | -                |                        |                                                |
|                                                                                                   |                |          |          |          |               |                         |          |                |       |              |            |            |           |          | <u> </u>                                         |                |                    |                         |                      |            |        |        |          |       |                  |                        |                                                |
|                                                                                                   |                | T        |          |          |               | Ī                       |          |                | 1     |              | Н          |            |           |          |                                                  |                |                    |                         |                      |            |        |        |          |       |                  |                        |                                                |
| <del></del>                                                                                       | 1              | 1        | 十        | +        | $\Box$        | 十                       | Ħ        | 十              | 十     | T            | П          |            | Г         |          |                                                  |                |                    | $I^{-}$                 | _                    |            |        |        |          |       |                  |                        |                                                |
|                                                                                                   | +              | +        | -        | +        | ╁             | +                       | $\vdash$ | +              | ╁     | 1            | $\vdash$   |            | -         | ┢        | 1                                                | -              |                    | $t^-$                   |                      | ┢          |        |        |          |       | -                |                        |                                                |
|                                                                                                   |                | +        | _        | ╇        | $\vdash$      | ┵                       | Н        | -+             | ╁     | ╁            | Н          |            | ╁         | ┝        | ┿                                                |                | +                  | +-                      |                      | _          | -      |        | $\vdash$ | _     |                  |                        |                                                |
|                                                                                                   | $\angle$       |          |          | <u> </u> | 2             | $\Rightarrow$           |          |                | 上     | 丄            | Ш          |            |           | <u> </u> |                                                  |                | <u> </u>           |                         |                      | <u>L</u> . |        |        |          |       |                  |                        | _                                              |
| Relinquished by:                                                                                  | Receive        | وا       | <b>(</b> |          | $\geq$        | <u> </u>                |          | <u>-</u> _     |       |              | Dat<br>Dat |            | 16        | Tim      | <u>7</u> 0                                       |                |                    | i<br>i                  |                      |            |        | DT F   | Repor    | t?    | Yes (            | No (                   |                                                |
| 1000                                                                                              |                | •        | 1        |          |               |                         | _        |                |       |              |            | 4/         | Ų.        | 1        | 727                                              | O              | <b> </b>           |                         | -,0                  |            |        |        |          | _     | =                |                        | <u>,                                      </u> |
| Relinquished by:                                                                                  | Receive        | d by:    | 7        | 4        |               |                         | 7        | _              |       |              | Dat        | te         |           | Tim      | 181                                              | ص              | <b>'</b> 1         |                         |                      |            |        |        | eport    |       | Yes              | No (                   | $\bigcirc$                                     |
| Relinquished by:                                                                                  | Receive        | d by:    | ì        |          | $\overline{}$ | -                       |          |                |       |              | Da         | te         | . 7       | Tim      |                                                  |                | Sa                 |                         |                      | Com        | pan    | y Lo   | g Co     | de:_  |                  |                        | <del>.</del>                                   |
| ' +                                                                                               |                |          |          | 1        | <u>ل</u>      |                         | _        |                |       |              | 17         | <u>/</u> \ | 1/14      | 1_       |                                                  | <u>Le</u>      |                    | obal                    |                      |            |        |        |          | DF to | (Email Address): |                        |                                                |
| Relinquished by:                                                                                  | Receive        | ed by:   |          |          |               |                         |          |                |       |              | Da         | te         |           | Tim      | ie                                               |                | Tra                | vel a                   | nd S                 | ite Ti     | me:    | Mile   | age:     |       | Misc. Supplies:  |                        |                                                |



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ELAP Certificates 1551, 2728, and 2922

19 April 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

RE: WQ Monitoring

Work Order: 16D0202

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

Sincerely,

Jeanette L. Poplin For Robbie C. Phillips

Jeanette Popli

Project Manager



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

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

Reported: 04/19/16 10:42

#### ANALYTICAL REPORT FOR SAMPLES

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



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

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



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West Bay Sanitary DistrictProject Manager: John Simonetti500 Laurel StreetProject: WQ MonitoringReported:Menlo Park, CA 94025Project Number: Oak Avenue04/19/16 10:42

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



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

## **Metals by EPA 200 Series Methods - Quality Control**

|                               |        | Reporting  |       | Spike       | Source      |             | %REC   |      | RPD   |       |
|-------------------------------|--------|------------|-------|-------------|-------------|-------------|--------|------|-------|-------|
| Analyte(s)                    | Result | Limit      | Units | Level       | Result      | %REC        | Limits | RPD  | Limit | Flag  |
| Batch AD63175 - Metals Digest |        |            |       |             |             |             |        |      |       |       |
| Blank (AD63175-BLK1)          |        |            |       | Prepared: ( | 04/12/16 Aı | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | ND     | 0.050      | mg/L  |             |             |             |        |      |       |       |
| Calcium                       | ND     | 1.0        | mg/L  |             |             |             |        |      |       |       |
| Magnesium                     | ND     | 1.0        | mg/L  |             |             |             |        |      |       |       |
| Sodium                        | ND     | 1.0        | mg/L  |             |             |             |        |      |       |       |
| LCS (AD63175-BS1)             |        |            |       | Prepared: ( | 04/12/16 Aı | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.386  | 0.050      | mg/L  | 0.400       |             | 96.6        | 85-115 |      |       |       |
| Calcium                       | 7.87   | 1.0        | mg/L  | 8.00        |             | 98.4        | 85-115 |      |       |       |
| Magnesium                     | 8.39   | 1.0        | mg/L  | 8.00        |             | 105         | 85-115 |      |       |       |
| Sodium                        | 8.35   | 1.0        | mg/L  | 8.00        |             | 104         | 85-115 |      |       |       |
| Duplicate (AD63175-DUP1)      | Sour   | ce: 16D016 | 6-01  | Prepared: ( | 04/12/16 Aı | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.0889 | 0.050      | mg/L  |             | 0.0865      |             |        | 2.72 | 20    |       |
| Calcium                       | 11.9   | 1.0        | mg/L  |             | 11.7        |             |        | 1.16 | 20    |       |
| Magnesium                     | 27.2   | 1.0        | mg/L  |             | 27.6        |             |        | 1.55 | 20    |       |
| Sodium                        | 6.84   | 1.0        | mg/L  |             | 6.72        |             |        | 1.84 | 20    |       |
| Matrix Spike (AD63175-MS1)    | Sour   | ce: 16D016 | 6-01  | Prepared: ( | 04/12/16 Aı | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.432  | 0.050      | mg/L  | 0.400       | 0.0865      | 86.3        | 70-130 |      |       |       |
| Calcium                       | 18.2   | 1.0        | mg/L  | 8.00        | 11.7        | 80.9        | 70-130 |      |       |       |
| Magnesium                     | 32.2   | 1.0        | mg/L  | 8.00        | 27.6        | 58.2        | 70-130 |      |       | QM-01 |
| Sodium                        | 13.9   | 1.0        | mg/L  | 8.00        | 6.72        | 90.0        | 70-130 |      |       |       |
| Matrix Spike (AD63175-MS2)    | Sour   | ce: 16D019 | 8-01  | Prepared: ( | 04/12/16 Aı | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.577  | 0.050      | mg/L  | 0.400       | 0.197       | 94.8        | 70-130 |      |       |       |
| Calcium                       | 88.7   | 1.0        | mg/L  | 8.00        | 78.3        | 130         | 70-130 |      |       |       |
| Magnesium                     | 79.4   | 1.0        | mg/L  | 8.00        | 67.9        | 144         | 70-130 |      |       | QM-4X |
| Sodium                        | 51.9   | 1.0        | mg/L  | 8.00        | 42.6        | 116         | 70-130 |      |       |       |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

## Metals by EPA 200 Series Methods - Quality Control

| Analyte(s)                      | Result | Reporting<br>Limit | Units  | Spike<br>Level | Source<br>Result | %REC        | %REC<br>Limits | RPD  | RPD<br>Limit | Flag |
|---------------------------------|--------|--------------------|--------|----------------|------------------|-------------|----------------|------|--------------|------|
| Allalyte(s)                     | Result | Liiiii             | Ullits | Level          | Result           | /0KEC       | LIIIIIIS       | KFD  | Lillit       | Tiug |
| Batch AD63175 - Metals Digest   |        |                    |        |                |                  |             |                |      |              |      |
| Matrix Spike Dup (AD63175-MSD1) | Sour   | ce: 16D016         | 6-01   | Prepared: (    | 04/12/16 Ar      | nalyzed: 04 | /14/16         |      |              |      |
| Boron                           | 0.462  | 0.050              | mg/L   | 0.400          | 0.0865           | 93.9        | 70-130         | 6.86 | 20           |      |
| Calcium                         | 19.0   | 1.0                | mg/L   | 8.00           | 11.7             | 90.3        | 70-130         | 4.03 | 20           |      |
| Magnesium                       | 33.7   | 1.0                | mg/L   | 8.00           | 27.6             | 76.2        | 70-130         | 4.37 | 20           |      |
| Sodium                          | 14.6   | 1.0                | mg/L   | 8.00           | 6.72             | 98.3        | 70-130         | 4.65 | 20           |      |



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Reported: 04/19/16 10:42

|                                     |        | Reporting    |          | Spike       | Source     |             | %REC    |       | RPD   |      |
|-------------------------------------|--------|--------------|----------|-------------|------------|-------------|---------|-------|-------|------|
| Analyte(s)                          | Result | Limit        | Units    | Level       | Result     | %REC        | Limits  | RPD   | Limit | Flag |
| Batch AD62910 - General Preparation |        |              |          |             |            |             |         |       |       |      |
| Duplicate (AD62910-DUP1)            | Sou    | ırce: 16D023 | 6-03     | Prepared &  | Analyzed:  | 04/05/16    |         |       |       |      |
| Specific Conductance (EC)           | 165    | 20           | umhos/cm |             | 165        |             |         | 0.00  | 5     |      |
| Batch AD62911 - General Prep        |        |              |          |             |            |             |         |       |       |      |
| LCS (AD62911-BS1)                   |        |              |          | Prepared: ( | 04/05/16 A | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0          | mg/L     | 2.98        |            | 99.0        | 80-120  |       |       |      |
| LCS Dup (AD62911-BSD1)              |        |              |          | Prepared: ( | 04/05/16 A | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0          | mg/L     | 2.98        |            | 99.0        | 80-120  | 0.00  | 20    |      |
| Matrix Spike (AD62911-MS1)          | Soi    | ırce: 16D019 | 1-01     | Prepared: ( | 04/05/16 A | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 43.4   | 1.0          | mg/L     | 22.6        | 24.5       | 83.5        | 75-125  |       |       |      |
| Matrix Spike Dup (AD62911-MSD1)     | Sou    | urce: 16D019 | 1-01     | Prepared: ( | 04/05/16 A | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 43.4   | 1.0          | mg/L     | 22.6        | 24.5       | 83.5        | 75-125  | 0.00  | 20    |      |
| Batch AD62924 - General Preparation |        |              |          |             |            |             |         |       |       |      |
| Duplicate (AD62924-DUP1)            | Sou    | ırce: 16D022 | 9-01     | Prepared &  | Analyzed:  | 04/04/16    |         |       |       |      |
| рН                                  | 9.00   | 1.68         | pH Units |             | 8.91       |             |         | 1.01  | 20    |      |
| Duplicate (AD62924-DUP2)            | Soi    | ırce: 16D022 | 24-01    | Prepared &  | Analyzed:  | 04/04/16    |         |       |       |      |
| рН                                  | 8.33   | 1.68         | pH Units |             | 8.39       |             |         | 0.718 | 20    |      |
| Batch AD62927 - General Preparation |        |              |          |             |            |             |         |       |       |      |
| Blank (AD62927-BLK1)                |        |              |          | Prepared &  | Analyzed:  | 04/05/16    |         |       |       |      |
| Silica                              | ND     | 1.0          | mg/L     |             |            |             |         |       |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

|                                     |        | Reporting   |       | Spike      | Source    |          | %REC   |       | RPD   |       |
|-------------------------------------|--------|-------------|-------|------------|-----------|----------|--------|-------|-------|-------|
| Analyte(s)                          | Result | Limit       | Units | Level      | Result    | %REC     | Limits | RPD   | Limit | Flag  |
| Batch AD62927 - General Preparation |        |             |       |            |           |          |        |       |       |       |
| LCS (AD62927-BS1)                   |        |             |       | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 10.0   | 1.0         | mg/L  | 10.0       |           | 100      | 85-115 |       |       |       |
| LCS Dup (AD62927-BSD1)              |        |             |       | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 10.6   | 1.0         | mg/L  | 10.0       |           | 106      | 85-115 | 5.65  | 20    |       |
| Duplicate (AD62927-DUP1)            | Sou    | rce: 16D023 | 0-01  | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 18.7   | 1.0         | mg/L  |            | 18.4      |          |        | 1.57  | 20    |       |
| Matrix Spike (AD62927-MS1)          | Sou    | rce: 16D023 | 0-01  | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 22.3   | 1.0         | mg/L  | 5.00       | 18.4      | 78.0     | 80-120 |       |       | QM-05 |
| Matrix Spike Dup (AD62927-MSD1)     | Sou    | rce: 16D023 | 0-01  | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 22.2   | 1.0         | mg/L  | 5.00       | 18.4      | 75.1     | 80-120 | 0.656 | 20    | QM-05 |
| Batch AD62949 - General Preparation |        |             |       |            |           |          |        |       |       |       |
| Blank (AD62949-BLK1)                |        |             |       | Prepared & | Analyzed: | 04/06/16 |        |       |       |       |
| Ammonia as NH3                      | ND     | 0.50        | mg/L  |            |           |          |        |       |       |       |
| LCS (AD62949-BS1)                   |        |             |       | Prepared & | Analyzed: | 04/06/16 |        |       |       |       |
| Ammonia as NH3                      | 5.75   | 0.50        | mg/L  | 6.10       |           | 94.2     | 90-110 |       |       |       |
| LCS Dup (AD62949-BSD1)              |        |             |       | Prepared & | Analyzed: | 04/06/16 |        |       |       |       |
| Ammonia as NH3                      | 5.85   | 0.50        | mg/L  | 6.10       |           | 96.0     | 90-110 | 1.83  | 10    |       |
| Matrix Spike (AD62949-MS1)          | Sou    | rce: 16D015 | 9-01  | Prepared & | Analyzed: | 04/06/16 |        |       |       |       |
| Ammonia as NH3                      | 12.1   | 0.50        | mg/L  | 12.2       | ND        | 99.5     | 85-115 |       |       |       |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

| Analyte(s)                          | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC        | %REC<br>Limits | RPD  | RPD<br>Limit | Flag |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|-------------|----------------|------|--------------|------|
| Analyte(s)                          | Result | Lillit             | Onits | LCVCI          | Kesuit           | 70KEC       | Lillits        | KI D | Lillit       | 1145 |
| Batch AD62949 - General Preparation |        |                    |       |                |                  |             |                |      |              |      |
| Matrix Spike Dup (AD62949-MSD1)     | Sou    | rce: 16D015        | 9-01  | Prepared &     | Analyzed:        | 04/06/16    |                |      |              |      |
| Ammonia as NH3                      | 11.9   | 0.50               | mg/L  | 12.2           | ND               | 97.7        | 85-115         | 1.77 | 20           |      |
| Batch AD62954 - General Preparation |        |                    |       |                |                  |             |                |      |              |      |
| Blank (AD62954-BLK1)                |        |                    |       | Prepared: (    | 04/06/16 A       | nalyzed: 04 | /12/16         |      |              |      |
| Total Dissolved Solids              | ND     | 10                 | mg/L  |                |                  |             |                |      |              |      |
| Duplicate (AD62954-DUP1)            | Sou    | rce: 16D021        | 3-01  | Prepared: (    | 04/06/16 A       | nalyzed: 04 | /12/16         |      |              |      |
| Total Dissolved Solids              | 600    | 10                 | mg/L  |                | 652              |             |                | 8.31 | 15           |      |
| Duplicate (AD62954-DUP2)            | Sou    | rce: 16D023        | 0-02  | Prepared: (    | 04/06/16 A       | nalyzed: 04 | /12/16         |      |              |      |
| Total Dissolved Solids              | 376    | 10                 | mg/L  |                | 404              |             |                | 7.18 | 15           |      |
| Batch AD62961 - General Preparation |        |                    |       |                |                  |             |                |      |              |      |
| Duplicate (AD62961-DUP1)            | Sou    | rce: 16D023        | 6-03  | Prepared &     | Analyzed:        | 04/06/16    |                |      |              |      |
| Bicarbonate                         | 85.4   | 5.0                | mg/L  |                | 84.2             |             |                | 1.44 | 20           |      |
| Carbonate Alkalinity as CaCO3       | ND     | 5.0                | mg/L  |                | ND               |             |                |      | 20           |      |
| Total Alkalinity as CaCO3           | 70.0   | 5.0                | mg/L  |                | 69.0             |             |                | 1.44 | 20           |      |
| Hydroxide Alkalinity as CaCO3       | ND     | 5.0                | mg/L  |                | ND               |             |                |      | 20           |      |
| Bicarbonate Alkalinity as CaCO3     | 70.0   | 5.0                | mg/L  |                | 69.0             |             |                | 1.44 | 20           |      |
| Batch AD62969 - General Preparation |        |                    |       |                |                  |             |                |      |              |      |
| Blank (AD62969-BLK1)                |        |                    |       | Prepared: (    | 04/06/16 A       | nalyzed: 04 | -/08/16        |      |              |      |
| Total Suspended Solids              | ND     | 1.0                | mg/L  |                |                  |             |                |      |              |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

|                                     |        | Reporting     |       | Spike       | Source     |             | %REC    |       | RPD   |      |
|-------------------------------------|--------|---------------|-------|-------------|------------|-------------|---------|-------|-------|------|
| Analyte(s)                          | Result | Limit         | Units | Level       | Result     | %REC        | Limits  | RPD   | Limit | Flag |
| Batch AD62969 - General Preparation |        |               |       |             |            |             |         |       |       |      |
| Duplicate (AD62969-DUP1)            | Sou    | ırce: 16D0202 | 2-01  | Prepared: ( | 04/06/16 A | nalyzed: 04 | -/08/16 |       |       |      |
| Total Suspended Solids              | 468    | 1.0           | mg/L  |             | 490        |             |         | 4.70  | 30    |      |
| Duplicate (AD62969-DUP2)            | Sou    | ırce: 16D036  | 1-01  | Prepared: ( | 04/06/16 A | nalyzed: 04 | -/08/16 |       |       |      |
| Total Suspended Solids              | 382    | 1.0           | mg/L  |             | 335        |             |         | 13.2  | 30    |      |
| Batch AD63089 - General Prep        |        |               |       |             |            |             |         |       |       |      |
| Blank (AD63089-BLK1)                |        |               |       | Prepared &  | Analyzed:  | 04/11/16    |         |       |       |      |
| Phosphorus, total                   | ND     | 0.040         | mg/L  |             |            |             |         |       |       |      |
| LCS (AD63089-BS1)                   |        |               |       | Prepared &  | Analyzed:  | 04/11/16    |         |       |       |      |
| Phosphorus, total                   | 0.200  | 0.040         | mg/L  | 0.200       |            | 99.8        | 85-115  |       |       |      |
| Duplicate (AD63089-DUP1)            | Sou    | ırce: 16D037( | 0-02  | Prepared &  | Analyzed:  | 04/11/16    |         |       |       |      |
| Phosphorus, total                   | 3.21   | 0.80          | mg/L  |             | 3.24       |             |         | 0.831 | 20    |      |
| Matrix Spike (AD63089-MS1)          | Sou    | ırce: 16D0370 | 0-02  | Prepared &  | Analyzed:  | 04/11/16    |         |       |       |      |
| Phosphorus, total                   | 4.96   | 0.80          | mg/L  | 2.00        | 3.24       | 86.1        | 70-130  |       |       |      |
| Matrix Spike (AD63089-MS2)          | Sou    | ırce: 16D0372 | 2-02  | Prepared &  | Analyzed:  | 04/11/16    |         |       |       |      |
| Phosphorus, total                   | 5.04   | 0.80          | mg/L  | 2.00        | 3.51       | 76.7        | 70-130  |       |       |      |
| Matrix Spike Dup (AD63089-MSD1)     | Sou    | ırce: 16D037( | 0-02  | Prepared &  | Analyzed:  | 04/11/16    |         |       |       |      |
| Phosphorus, total                   | 4.99   | 0.80          | mg/L  | 2.00        | 3.24       | 87.4        | 70-130  | 0.543 | 20    |      |
| Batch AD63122 - General Preparation |        |               |       |             |            |             |         |       |       |      |
| Blank (AD63122-BLK1)                |        |               |       | Prepared: ( | 04/05/16 A | nalyzed: 04 | -/10/16 |       |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0           | mg/L  |             |            |             |         |       |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

| Analyte(s)                          | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC        | %REC<br>Limits | RPD  | RPD<br>Limit | Flag |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|-------------|----------------|------|--------------|------|
| Batch AD63122 - General Preparation |        |                    |       |                |                  |             |                |      |              |      |
| Blank (AD63122-BLK2)                |        |                    |       | Prepared: (    | 04/05/16 A       | nalyzed: 04 | /10/16         |      |              |      |
| Biochemical Oxygen Demand           | ND     | 5.0                | mg/L  |                |                  |             |                |      |              |      |
| LCS (AD63122-BS1)                   |        |                    |       | Prepared: (    | 04/05/16 A       | nalyzed: 04 | /10/16         |      |              |      |
| Biochemical Oxygen Demand           | 220    | 5.0                | mg/L  | 200            |                  | 110         | 84-115         |      |              |      |
| Duplicate (AD63122-DUP1)            | Sou    | ırce: 16D020       | 2-01  | Prepared: (    | 04/05/16 A       | nalyzed: 04 | /10/16         |      |              |      |
| Biochemical Oxygen Demand           | 340    | 5.0                | mg/L  |                | 360              |             |                | 5.85 | 30           |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 10:42

## Anions by EPA Method 300.0 - Quality Control

|                                     |        | Reporting  |       | Spike      | Source      |          | %REC   |        | RPD   |      |
|-------------------------------------|--------|------------|-------|------------|-------------|----------|--------|--------|-------|------|
| Analyte(s)                          | Result | Limit      | Units | Level      | Result      | %REC     | Limits | RPD    | Limit | Flag |
| Batch AD62920 - General Preparation |        |            |       |            |             |          |        |        |       |      |
| Blank (AD62920-BLK1)                |        |            |       | Prepared & | : Analyzed: | 04/05/16 |        |        |       |      |
| Nitrite as NO2                      | ND     | 1.0        | 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  |            |             |          |        |        |       |      |
| Chloride                            | ND     | 0.50       | mg/L  |            |             |          |        |        |       |      |
| LCS (AD62920-BS1)                   |        |            |       | Prepared & | : Analyzed: | 04/05/16 |        |        |       |      |
| Chloride                            | 11.5   | 0.50       | mg/L  | 11.1       |             | 103      | 90-110 |        |       |      |
| Nitrate as NO3                      | 26     | 1.0        | mg/L  | 24.7       |             | 104      | 90-110 |        |       |      |
| Nitrate as N                        | 5.80   | 0.20       | mg/L  | 5.56       |             | 104      | 90-110 |        |       |      |
| Nitrite as NO2                      | 18.0   | 1.0        | mg/L  | 18.2       |             | 98.8     | 90-110 |        |       |      |
| Nitrite as N                        | 5.47   | 0.20       | mg/L  | 5.56       |             | 98.5     | 90-110 |        |       |      |
| Duplicate (AD62920-DUP1)            | Sour   | ce: 16D016 | 6-01  | Prepared & | : Analyzed: | 04/05/16 |        |        |       |      |
| Nitrite as N                        | ND     | 0.20       | mg/L  |            | ND          |          |        |        | 20    |      |
| Nitrate as NO3                      | ND     | 1.0        | mg/L  |            | ND          |          |        |        | 20    |      |
| Nitrite as NO2                      | ND     | 1.0        | mg/L  |            | ND          |          |        |        | 20    |      |
| Nitrate as N                        | ND     | 0.20       | mg/L  |            | ND          |          |        |        | 20    |      |
| Chloride                            | 3.78   | 0.50       | mg/L  |            | 3.78        |          |        | 0.0264 | 20    |      |
| Matrix Spike (AD62920-MS1)          | Sour   | ce: 16D016 | 6-01  | Prepared & | : Analyzed: | 04/05/16 |        |        |       |      |
| Chloride                            | 14.9   | 2.5        | mg/L  | 11.1       | 3.78        | 100      | 80-120 |        |       |      |
| Nitrite as N                        | 5.30   | 1.0        | mg/L  | 5.56       | ND          | 95.4     | 80-120 |        |       |      |
| Nitrate as NO3                      | 24     | 5.0        | mg/L  | 24.7       | ND          | 97.7     | 80-120 |        |       |      |
| Nitrite as NO2                      | 17.4   | 5.0        | mg/L  | 18.2       | ND          | 95.7     | 80-120 |        |       |      |
| Nitrate as N                        | 5.44   | 1.0        | mg/L  | 5.56       | ND          | 98.0     | 80-120 |        |       |      |
| Matrix Spike (AD62920-MS2)          | Sour   | ce: 16D016 | 7-01  | Prepared & | : Analyzed: | 04/06/16 |        |        |       |      |
| Nitrite as N                        | 6.12   | 0.20       | mg/L  | 5.56       | ND          | 110      | 80-120 |        |       |      |
| Nitrite as NO2                      | 20.1   | 1.0        | mg/L  | 18.2       | ND          | 110      | 80-120 |        |       |      |
| Chloride                            | 14.7   | 0.50       | mg/L  | 11.1       | 3.13        | 105      | 80-120 |        |       |      |
| Nitrate as NO3                      | 31     | 1.0        | mg/L  | 24.7       | 1.0         | 122      | 80-120 |        |       | QM-  |
| Nitrate as N                        | 7.01   | 0.20       | mg/L  | 5.56       | 0.237       | 122      | 80-120 |        |       | QM-0 |



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

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

Reported: 04/19/16 10:42

## Anions by EPA Method 300.0 - Quality Control

| Analyte(s)                          | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD   | RPD<br>Limit | Flag |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|-------|--------------|------|
| Batch AD62920 - General Preparation |        |                    |       |                |                  |          |                |       |              |      |
| Matrix Spike Dup (AD62920-MSD1)     | Sour   | ce: 16D016         | 6-01  | Prepared &     | Analyzed:        | 04/05/16 |                |       |              |      |
| Nitrite as NO2                      | 17.5   | 5.0                | mg/L  | 18.2           | ND               | 96.1     | 80-120         | 0.418 | 20           |      |
| Nitrate as NO3                      | 24     | 5.0                | mg/L  | 24.7           | ND               | 98.2     | 80-120         | 0.437 | 20           |      |
| Nitrate as N                        | 5.47   | 1.0                | mg/L  | 5.56           | ND               | 98.4     | 80-120         | 0.437 | 20           |      |
| Nitrite as N                        | 5.32   | 1.0                | mg/L  | 5.56           | ND               | 95.8     | 80-120         | 0.418 | 20           |      |
| Chloride                            | 14.9   | 2.5                | mg/L  | 11.1           | 3.78             | 100      | 80-120         | 0.112 | 20           |      |



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Reported: 04/19/16 10:42

#### **Notes and Definitions**

| QM-01 | The spike recovery for this | QC sample is outside of established | l control limits possibly due to | a sample matrix interference. |
|-------|-----------------------------|-------------------------------------|----------------------------------|-------------------------------|
| X     |                             | (                                   |                                  | r =                           |

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance

limits.

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

T-2 Sample analyzed outside of recommended holding time per client.

ND Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

REC Recovery

RPD Relative Percent Difference



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# Work Order Chain of Custody Record

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

| Company/Name:                                                   |                                                  | Project   | ID:               |           |          |               |           |              |            |           |       |          |           | L.       |          | Sig          | natun      | e belo         | w au      | horize      | es wo                    | rk un    | der te      | ms s     | tated o | 00.00    | verse side.     |                       |
|-----------------------------------------------------------------|--------------------------------------------------|-----------|-------------------|-----------|----------|---------------|-----------|--------------|------------|-----------|-------|----------|-----------|----------|----------|--------------|------------|----------------|-----------|-------------|--------------------------|----------|-------------|----------|---------|----------|-----------------|-----------------------|
| West Bay Sanitary District                                      |                                                  |           |                   | V         | /Q       | М             | on        | ito          | rir        | ng        |       |          |           |          |          |              |            |                | naiy      |             |                          |          |             |          |         | 311,00   |                 |                       |
| Malling Address:<br>500 Laurel Street                           |                                                  | Project I | No:               |           | 0        | <u> المحا</u> | Ave       | <u> </u>     | 10         |           |       |          |           | L        | _        | _            | _          | T-             | Т.        | T-          | T                        | T        |             |          |         |          | Sample Notes    | TAT                   |
| Mento Park, CA 94025<br>Project Contact & Email (Hardcopy or PD | F to):                                           |           |                   |           | <u> </u> | 2N /          |           |              | 16         |           |       |          |           | ŀ        |          |              |            |                |           |             | <u> </u>                 |          |             | l        |         |          | 1. 0            | 24 hr                 |
| John Simonetti<br>jsimonetti@westbaysanitary.org                |                                                  | PO#       | ŧ                 |           |          |               |           |              |            |           |       |          |           | l        |          |              | ध          |                | S<br>S    |             | ation                    |          |             | ļ        |         |          | 4.9             | Ogh<br>For Rush       |
| Phone/Fax:                                                      |                                                  | Site Con  | tact:             |           |          |               |           | _            | _          |           |       | _        | _         | 1        |          | Sa           | 5          |                | 2         | lat         | 荒                        |          |             |          | 1       |          |                 | Lab 10<br>Approval .⊑ |
| 1860-321-0381                                                   |                                                  | 20        | h                 |           | 2        | ). حب ر       | ر<br>مرد  | 4            | <i>\</i> : |           |       |          |           | ĺ        |          | Mg.          | Phosphorus | <br> _         | EC, NO2,  | Bicarbonate | SAR Adjusted Calculation |          |             |          |         |          |                 | Required.             |
| Floid Sampler - Print Name & Signature                          | Sar                                              | nple      |                   |           |          |               | Pro       |              |            | tive      | M     | atri     | х         |          |          | S,           |            | Total Nitrogen | <u>유</u>  | Bici        | sted                     |          |             |          |         | ľ        |                 | 1 sk                  |
| <u> </u>                                                        |                                                  | ction     |                   |           | 1        |               | П         |              | 1          | ı         |       |          |           | ļρ       | _        | 200.7 - B,   | Ammonia,   | 美              | Chloride, | Alkalinity, | ફ                        |          | l           |          |         | l        |                 | App                   |
| Sample                                                          | <b></b>                                          |           | ٳڲٚٳ              | _         | 88       | 2 L           |           | 8            | ğ l        | وان       | į     |          | 5         | aoa na   | E B      | 0.7          | ١Ĕ         | ᆵ              | <u>Ö</u>  | i≓          | R                        | ß        | တ           | S        |         |          | ·               | 2 wk (standard)       |
| Identification                                                  | Date                                             |           |                   | Ро        | 8 8      |               | 호         | Ĭ            | HZSO       |           | Water | Soi      | Other     | ם        | 卣        | 20           | 4          | P              | ည်        | ¥           | SA                       | Silica   | TDS         | TSS      |         |          |                 |                       |
| Oak Avenue                                                      | 4/3/16                                           | 0900      | $\sqcup$          | 4         | 4        | _             | Ц         | 1            | 1          | 12        | 2 x   |          |           | x_       | x        | х            | x          | x              | х         | x           | x .                      | х        | x           | х        |         |          |                 |                       |
|                                                                 |                                                  |           | H                 | 4         | 4        | ╀-            | $\square$ | 4            | 4          | 1         | ╀     | Ц        |           |          | _        |              | Ь.         | L              |           |             |                          |          |             |          |         |          |                 |                       |
| <u> </u>                                                        | <del> </del>                                     |           | Н                 | $\dashv$  | +        | 1             | $\square$ | $\downarrow$ | 4          | 1         | ↓     |          |           |          | <u> </u> | L            | <u> </u>   |                |           |             |                          |          |             |          |         |          |                 |                       |
|                                                                 | <del></del>                                      |           | ┨┤                | +         | _        | +             | ┨┤        | 4            | +          | +         | L     | -        | _         |          | _        | _            | ᆫ          | _              |           |             |                          | _        |             |          |         |          |                 |                       |
|                                                                 |                                                  |           | H                 | $\dashv$  | +        | +-            | Н         | +            | +          | ╀         | +     | Ц        | 4         |          | <u> </u> |              | <u> </u>   |                | _         |             |                          |          |             | _        | _       |          |                 |                       |
|                                                                 | <del>                                     </del> |           | H                 | +         | ╁        | +             | ╂┤        | +            | +          | ╀         | Н     | $\dashv$ | 4         |          | _        |              |            |                |           |             |                          |          |             |          |         | _        |                 |                       |
|                                                                 | 1 -                                              |           | H                 | $\forall$ | +        | ┿             | H         | ╁            | +          | ╁         | Н     | $\dashv$ | ┪         |          | -        | _            | ├—         |                |           | _           | _                        | 4        |             | _        | _       | 4        |                 |                       |
|                                                                 |                                                  |           | $oldsymbol{\mid}$ | $\dagger$ | +        | +             |           | +            | +          | ╁╴        | Н     | $\dashv$ | ┨         | _        |          | <del> </del> | -          |                | _         |             | $\dashv$                 | -        |             | _        | _       | 4        | <u> </u>        |                       |
|                                                                 |                                                  | _         | <b> </b>          | $\dagger$ | ╁        | $\dagger$     | H         | +            | $\dagger$  | ╁╴        | H     | -        | ᅥ         | _        |          | _            | _          | $\dashv$       |           | $\dashv$    | $\dashv$                 | $\dashv$ |             | -+       | _       |          | L               |                       |
|                                                                 | 1 -                                              |           | $\vdash$          | $\top$    | +        |               | H         | $\dagger$    | †          | 十         | H     |          | 7         | $\dashv$ | -        | _            | -          | -              |           | $\dashv$    | _                        | $\dashv$ | $\dashv$    | -+       | +       | $\dashv$ | -               |                       |
|                                                                 |                                                  |           | П                 | $\top$    | Ť        | 1             | $\vdash$  | +            | $\dagger$  | $\dagger$ | H     | $\dashv$ | 7         | _        |          | _            |            | -1             | $\dashv$  | $\dashv$    | $\dashv$                 |          | $\dashv$    | $\dashv$ |         | $\dashv$ | -               |                       |
| 1                                                               |                                                  |           | П                 | 十         | 1        | T             |           | +            | †          | †         | Ħ     | 7        | 7         | -        |          | _            |            | $\dashv$       | -+        | - {         | _                        | -1       | ᅱ           | $\dashv$ | +       |          | -               |                       |
|                                                                 |                                                  |           |                   | Ţ         | F        | X             | Ħ.        | 1            | T          | Ť         | П     | 7        | ✝         | $\dashv$ | _        |              |            | $\dashv$       | $\neg$    | -           | 1                        | $\dashv$ | +           | -+       |         | $\dashv$ | }-              |                       |
| Relinquished by:                                                |                                                  | Received  | PÀ C              | 7         |          | 7             |           | Ť            |            |           |       | T        | Date      | 3        | 7        | Time         |            |                |           |             |                          | <u> </u> | <del></del> |          |         |          | <del>-, </del>  |                       |
| Regilifacuished by:                                             |                                                  | Received  | /<br>hul-         | <u></u>   |          | <u></u>       | _         |              |            | _         |       |          |           | 4(       |          |              | <u>8</u> 9 |                |           |             |                          |          |             |          | eport   | ?        | Yes (           | No (                  |
| and Man                                                         | <i>'</i>                                         |           |                   |           | 7        |               |           | _            |            |           |       | ľ        | Date<br>4 | ,/       | ,        | Time<br>17   | 12E        | ر<br>ا         | Stat      | le S        | yste                     | m l      | Nun         | ber      | •       | _        |                 |                       |
| Relinquished by:                                                |                                                  | Received  | by.               |           | 9        | =             |           | <del>-</del> |            |           |       | 1        | •         | , ,      | 110      | Time         | <u></u>    |                | CA        | Geo         | iraci                    | cer l    | -DE         | Rei      | nort    |          | Yes             | Na                    |
| Relinquished by:                                                | -                                                | Received  | by:               | _         |          |               | _         |              |            |           |       | -        | Date      |          |          | Time         |            | $\Box$         | Sam       | nila        | a Co                     |          |             |          | Cod     | e:       | : 163           | No O                  |
| Relinquished by:                                                |                                                  | B. T      |                   |           | 1        |               |           |              |            | _         | _     | _        | 4         |          | //4      | . 2          | <u>U:5</u> | 24             | Glob      | al II       | <b>D</b> :               | •        | - 7         | 3        |         | _        | Email Address); |                       |
| intellinguistica by.                                            | ļ                                                | Received  | oy:               |           |          |               |           |              |            | _         |       | Ţ        | Date      |          | T        | Time         |            | 7              | rave      | lanc        | Site                     | Tim      | e: N        | Ailea    |         |          | Misc. Supplies: | <del></del>           |
| <u> </u>                                                        |                                                  |           |                   |           | _        |               |           |              |            |           |       | $\perp$  |           |          |          |              |            |                |           |             |                          |          | $\perp$     |          |         |          | <u>. L</u> .    |                       |
|                                                                 |                                                  |           |                   |           |          |               |           |              |            |           |       |          |           |          |          |              |            |                |           |             |                          |          | _           | _        |         | _        |                 |                       |



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ELAP Certificates 1551, 2728, and 2922

19 April 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

RE: WQ Monitoring

Work Order: 16D0206

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

Sincerely,

Jeanette L. Poplin For Robbie C. Phillips

Jeanette Popli

Project Manager



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 11:56

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID  | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------|---------------|--------|----------------|----------------|
| Oak Avenue | 16D0206-01    | Water  | 04/04/16 09:00 | 04/04/16 21:20 |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 11:56

|                                                  | Result        | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method        | Note |
|--------------------------------------------------|---------------|-----------------|----------|---------|----------------|-------------------|---------------|------|
| Oak Avenue (16D0206-01)                          |               | Sample Type:    | : Water  |         | Sample         | d: 04/04/16 09:00 |               |      |
| Metals by EPA 200 Series Methods                 |               |                 |          |         |                |                   |               |      |
| Boron                                            | 0.32 mg/L     | 0.050           | 1        | AD63175 | 04/12/16 16:00 | 04/14/16 16:20    | EPA 200.7     |      |
| Calcium                                          | 40 mg/L       | 1.0             | 1        | AD63175 | 04/12/16 16:00 | 04/14/16 16:20    | EPA 200.7     |      |
| Magnesium                                        | 21 mg/L       | 1.0             | 1        | AD63175 | 04/12/16 16:00 | 04/14/16 16:20    | EPA 200.7     |      |
| Sodium                                           | 68 mg/L       | 1.0             | 1        | AD63175 | 04/12/16 16:00 | 04/14/16 16:20    | EPA 200.7     |      |
| Conventional Chemistry Parameters by APHA/EPA    | A Methods     |                 |          |         |                |                   |               |      |
| Ammonia as NH3                                   | 58 mg/L       | 0.50            | 1        | AD62949 | 04/06/16 08:00 | 04/06/16 17:00    | SM4500NH3C    |      |
| Bicarbonate                                      | 370 mg/L      | 5.0             | 1        | AD62961 | 04/06/16 09:35 | 04/06/16 17:00    | SM2320B       |      |
| Biochemical Oxygen Demand                        | 290 mg/L      | 5.0             | 1        | AD63127 | 04/06/16 07:00 | 04/11/16 13:00    | SM5210B       |      |
| рН                                               | 7.60 pH Units | 1.68            | 1        | AD62924 | 04/04/16 18:40 | 04/04/16 18:40    | SM4500-H+ B   | T-14 |
| Specific Conductance (EC)                        | 990 umhos/cm  | 20              | 1        | AD62910 | 04/05/16 17:00 | 04/05/16 17:00    | SM2510B       |      |
| Total Dissolved Solids                           | 440 mg/L      | 10              | 1        | AD62954 | 04/06/16 09:00 | 04/12/16 08:45    | SM2540C       |      |
| <b>Total Suspended Solids</b>                    | 500 mg/L      | 1.0             | 1        | AD62969 | 04/06/16 11:13 | 04/08/16 11:00    | SM2540D       |      |
| Silica                                           | 19 mg/L       | 2.0             | 2        | AD62927 | 04/05/16 14:15 | 04/05/16 16:30    | SM4500-SiO2 C |      |
| Bicarbonate Alkalinity as CaCO3                  | 300 mg/L      | 5.0             | 1        | AD62961 | 04/06/16 09:35 | 04/06/16 17:00    | SM2320B       |      |
| Carbonate Alkalinity as CaCO3                    | ND mg/L       | 5.0             | 1        | AD62961 | 04/06/16 09:35 | 04/06/16 17:00    | SM2320B       |      |
| Hydroxide Alkalinity as CaCO3                    | ND mg/L       | 5.0             | 1        | AD62961 | 04/06/16 09:35 | 04/06/16 17:00    | SM2320B       |      |
| Total Alkalinity as CaCO3                        | 300 mg/L      | 5.0             | 1        | AD62961 | 04/06/16 09:35 | 04/06/16 17:00    | SM2320B       |      |
| Total Kjeldahl Nitrogen                          | 58 mg/L       | 1.0             | 1        | AD62911 | 04/07/16 09:41 | 04/07/16 12:29    | SM4500-Norg B |      |
| Total Nitrogen                                   | 58 mg/L       | 1.0             | 1        | AD62999 | 04/07/16 08:43 | 04/12/16 09:47    | SM4500-N      |      |
| Phosphorus, total                                | 7.2 mg/L      | 0.80            | 2        | AD63089 | 04/11/16 08:00 | 04/11/16 12:48    | SM4500-P E    |      |
| Miscellaneous Physical/Conventional Chemistry Pa | arameters     |                 |          |         |                |                   |               |      |
| Sodium Adsorption Ratio-Adj RNa                  | 2.54 NA       |                 | 1        | AD63175 | 04/12/16 16:00 | 04/19/16 07:23    | SAR           |      |



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West Bay Sanitary DistrictProject Manager: John Simonetti500 Laurel StreetProject: WQ MonitoringReported:Menlo Park, CA 94025Project Number: Oak Avenue04/19/16 11:56

|                                                       | Result  | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method    | Note |
|-------------------------------------------------------|---------|-----------------|----------|---------|----------------|-------------------|-----------|------|
| Oak Avenue (16D0206-01)<br>Anions by EPA Method 300.0 |         | Sample Type:    | Water    |         | Sample         | 1: 04/04/16 09:00 |           |      |
| Chloride                                              | 64 mg/L | 10              | 20       | AD62920 | 04/05/16 18:22 | 04/05/16 18:22    | EPA 300.0 |      |
| Nitrate as N                                          | ND mg/L | 0.20            | 1        | AD62920 | 04/05/16 19:11 | 04/05/16 19:11    | EPA 300.0 |      |
| Nitrate as NO3                                        | ND mg/L | 1.0             | 1        | AD62920 | 04/05/16 19:11 | 04/05/16 19:11    | EPA 300.0 |      |
| Nitrite as N                                          | ND mg/L | 0.20            | 1        | AD62920 | 04/05/16 19:11 | 04/05/16 19:11    | EPA 300.0 |      |
| Nitrite as NO2                                        | ND mg/L | 1.0             | 1        | AD62920 | 04/05/16 19:11 | 04/05/16 19:11    | EPA 300.0 |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 11:56

#### 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 AD63175 - Metals Digest |        |                   |       |             |            |             |        |      |       |       |
| Blank (AD63175-BLK1)          |        |                   |       | Prepared: ( | 04/12/16 A | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | ND     | 0.050             | mg/L  |             |            |             |        |      |       |       |
| Calcium                       | ND     | 1.0               | mg/L  |             |            |             |        |      |       |       |
| Magnesium                     | ND     | 1.0               | mg/L  |             |            |             |        |      |       |       |
| Sodium                        | ND     | 1.0               | mg/L  |             |            |             |        |      |       |       |
| LCS (AD63175-BS1)             |        |                   |       | Prepared: ( | 04/12/16 A | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.386  | 0.050             | mg/L  | 0.400       |            | 96.6        | 85-115 |      |       |       |
| Calcium                       | 7.87   | 1.0               | mg/L  | 8.00        |            | 98.4        | 85-115 |      |       |       |
| Magnesium                     | 8.39   | 1.0               | mg/L  | 8.00        |            | 105         | 85-115 |      |       |       |
| Sodium                        | 8.35   | 1.0               | mg/L  | 8.00        |            | 104         | 85-115 |      |       |       |
| Duplicate (AD63175-DUP1)      | Sour   | ce: 16D016        | 6-01  | Prepared: ( | 04/12/16 A | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.0889 | 0.050             | mg/L  |             | 0.0865     |             |        | 2.72 | 20    |       |
| Calcium                       | 11.9   | 1.0               | mg/L  |             | 11.7       |             |        | 1.16 | 20    |       |
| Magnesium                     | 27.2   | 1.0               | mg/L  |             | 27.6       |             |        | 1.55 | 20    |       |
| Sodium                        | 6.84   | 1.0               | mg/L  |             | 6.72       |             |        | 1.84 | 20    |       |
| Matrix Spike (AD63175-MS1)    | Sour   | ce: 16D016        | 6-01  | Prepared: ( | 04/12/16 A | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.432  | 0.050             | mg/L  | 0.400       | 0.0865     | 86.3        | 70-130 |      |       |       |
| Calcium                       | 18.2   | 1.0               | mg/L  | 8.00        | 11.7       | 80.9        | 70-130 |      |       |       |
| Magnesium                     | 32.2   | 1.0               | mg/L  | 8.00        | 27.6       | 58.2        | 70-130 |      |       | QM-01 |
| Sodium                        | 13.9   | 1.0               | mg/L  | 8.00        | 6.72       | 90.0        | 70-130 |      |       |       |
| Matrix Spike (AD63175-MS2)    | Sour   | Source: 16D0198-0 |       |             | 04/12/16 A | nalyzed: 04 | /14/16 |      |       |       |
| Boron                         | 0.577  | 0.050             | mg/L  | 0.400       | 0.197      | 94.8        | 70-130 |      |       |       |
| Calcium                       | 88.7   | 1.0               | mg/L  | 8.00        | 78.3       | 130         | 70-130 |      |       |       |
| Magnesium                     | 79.4   | 1.0               | mg/L  | 8.00        | 67.9       | 144         | 70-130 |      |       | QM-4X |
| Sodium                        | 51.9   | 1.0               | mg/L  | 8.00        | 42.6       | 116         | 70-130 |      |       |       |



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

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

Reported: 04/19/16 11:56

## Metals by EPA 200 Series Methods - Quality Control

|        | Reporting                     |                                                 | Spike                                                                                                                                         | Source                                                                                                                                                                                        |                                                                                                                                                                                                     | %REC                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | RPD                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------|-------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Result | 1 6                           |                                                 |                                                                                                                                               |                                                                                                                                                                                               | %REC                                                                                                                                                                                                | Limits                                                                                                                                                                                                                                        | RPD                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Limit                                                                                                                                                                                                                                                                                                                                                                                             | Flag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|        |                               |                                                 |                                                                                                                                               |                                                                                                                                                                                               |                                                                                                                                                                                                     |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Sour   | ce: 16D016                    | 6-01                                            | Prepared: (                                                                                                                                   | 04/12/16 Aı                                                                                                                                                                                   | nalyzed: 04                                                                                                                                                                                         | /14/16                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 0.462  | 0.050                         | mg/L                                            | 0.400                                                                                                                                         | 0.0865                                                                                                                                                                                        | 93.9                                                                                                                                                                                                | 70-130                                                                                                                                                                                                                                        | 6.86                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 19.0   | 1.0                           | mg/L                                            | 8.00                                                                                                                                          | 11.7                                                                                                                                                                                          | 90.3                                                                                                                                                                                                | 70-130                                                                                                                                                                                                                                        | 4.03                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 33.7   | 1.0                           | mg/L                                            | 8.00                                                                                                                                          | 27.6                                                                                                                                                                                          | 76.2                                                                                                                                                                                                | 70-130                                                                                                                                                                                                                                        | 4.37                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 14.6   | 1.0                           | mg/L                                            | 8.00                                                                                                                                          | 6.72                                                                                                                                                                                          | 98.3                                                                                                                                                                                                | 70-130                                                                                                                                                                                                                                        | 4.65                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|        | Sour<br>0.462<br>19.0<br>33.7 | Source: 16D016  0.462 0.050  19.0 1.0  33.7 1.0 | Source: 16D0166-01           0.462         0.050         mg/L           19.0         1.0         mg/L           33.7         1.0         mg/L | Source: 16D0166-01         Prepared: 0.462         0.050         mg/L         0.400           19.0         1.0         mg/L         8.00           33.7         1.0         mg/L         8.00 | Source: 16D0166-01         Prepared: 04/12/16 And 0.462         0.050 mg/L         0.400 0.0865           19.0         1.0 mg/L         8.00 11.7           33.7         1.0 mg/L         8.00 27.6 | Source: 16D0166-01         Prepared: 04/12/16 Analyzed: 04           0.462         0.050 mg/L         0.400 0.0865         93.9           19.0         1.0 mg/L         8.00 11.7 90.3           33.7         1.0 mg/L         8.00 27.6 76.2 | Result         Limit         Units         Level         Result         %REC         Limits           Source: 16D0166-01         Prepared: 04/12/16 Analyzed: 04/14/16           0.462         0.050         mg/L         0.400         0.0865         93.9         70-130           19.0         1.0         mg/L         8.00         11.7         90.3         70-130           33.7         1.0         mg/L         8.00         27.6         76.2         70-130 | Result         Limit         Units         Level         Result         %REC         Limits         RPD           Source: 16D0166-01         Prepared: 04/12/16 Analyzed: 04/14/16           0.462         0.050 mg/L         0.400 0.0865 93.9 70-130 6.86           19.0         1.0 mg/L         8.00 11.7 90.3 70-130 4.03           33.7         1.0 mg/L         8.00 27.6 76.2 70-130 4.37 | Result         Limit         Units         Level         Result         %REC         Limits         RPD         Limit           Source: 16D0166-01         Prepared: 04/12/16 Analyzed: 04/14/16           0.462         0.050         mg/L         0.400         0.0865         93.9         70-130         6.86         20           19.0         1.0         mg/L         8.00         11.7         90.3         70-130         4.03         20           33.7         1.0         mg/L         8.00         27.6         76.2         70-130         4.37         20 |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 11:56

|                                     |        | Reporting    |          | Spike       | Source      |             | %REC    |       | RPD   |      |
|-------------------------------------|--------|--------------|----------|-------------|-------------|-------------|---------|-------|-------|------|
| Analyte(s)                          | Result | Limit        | Units    | Level       | Result      | %REC        | Limits  | RPD   | Limit | Flag |
| Batch AD62910 - General Preparation |        |              |          |             |             |             |         |       |       |      |
| Duplicate (AD62910-DUP1)            | Sou    | ırce: 16D023 | 6-03     | Prepared &  | k Analyzed: | 04/05/16    |         |       |       |      |
| Specific Conductance (EC)           | 165    | 20           | umhos/cm |             | 165         |             |         | 0.00  | 5     |      |
| Batch AD62911 - General Prep        |        |              |          |             |             |             |         |       |       |      |
| LCS (AD62911-BS1)                   |        |              |          | Prepared: ( | 04/05/16 A  | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0          | mg/L     | 2.98        |             | 99.0        | 80-120  |       |       |      |
| LCS Dup (AD62911-BSD1)              |        |              |          | Prepared: ( | 04/05/16 A  | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0          | mg/L     | 2.98        |             | 99.0        | 80-120  | 0.00  | 20    |      |
| Matrix Spike (AD62911-MS1)          | Soi    | ırce: 16D019 | 1-01     | Prepared: ( | 04/05/16 A  | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 43.4   | 1.0          | mg/L     | 22.6        | 24.5        | 83.5        | 75-125  |       |       |      |
| Matrix Spike Dup (AD62911-MSD1)     | Sou    | urce: 16D019 | 1-01     | Prepared: ( | 04/05/16 A  | nalyzed: 04 | 1/06/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 43.4   | 1.0          | mg/L     | 22.6        | 24.5        | 83.5        | 75-125  | 0.00  | 20    |      |
| Batch AD62924 - General Preparation |        |              |          |             |             |             |         |       |       |      |
| Duplicate (AD62924-DUP1)            | Sou    | ırce: 16D022 | 9-01     | Prepared &  | ኔ Analyzed: | 04/04/16    |         |       |       |      |
| pH                                  | 9.00   | 1.68         | pH Units |             | 8.91        |             |         | 1.01  | 20    |      |
| Duplicate (AD62924-DUP2)            | Soi    | ırce: 16D022 | 24-01    | Prepared &  | λ Analyzed: | 04/04/16    |         |       |       |      |
| pH                                  | 8.33   | 1.68         | pH Units |             | 8.39        |             |         | 0.718 | 20    |      |
| Batch AD62927 - General Preparation |        |              |          |             |             |             |         |       |       |      |
| Blank (AD62927-BLK1)                |        |              |          | Prepared &  | k Analyzed: | 04/05/16    |         |       |       |      |
| Silica                              | ND     | 1.0          | mg/L     |             |             |             |         |       |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 11:56

|                                     |                                 | Reporting   |                               | Spike      | Source    |          | %REC   |       | RPD   |       |
|-------------------------------------|---------------------------------|-------------|-------------------------------|------------|-----------|----------|--------|-------|-------|-------|
| Analyte(s)                          | Result                          | Limit       | Units                         | Level      | Result    | %REC     | Limits | RPD   | Limit | Flag  |
| Batch AD62927 - General Preparation |                                 |             |                               |            |           |          |        |       |       |       |
| LCS (AD62927-BS1)                   |                                 |             |                               | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 10.0                            | 1.0         | mg/L                          | 10.0       |           | 100      | 85-115 |       |       |       |
| LCS Dup (AD62927-BSD1)              |                                 |             |                               | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 10.6                            | 1.0         | mg/L                          | 10.0       |           | 106      | 85-115 | 5.65  | 20    |       |
| Duplicate (AD62927-DUP1)            | Sou                             | rce: 16D023 | 0-01                          | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 18.7                            | 1.0         | mg/L                          |            | 18.4      |          |        | 1.57  | 20    |       |
| Matrix Spike (AD62927-MS1)          | Sou                             | rce: 16D023 | 0-01                          | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 22.3                            | 1.0         | mg/L                          | 5.00       | 18.4      | 78.0     | 80-120 |       |       | QM-05 |
| Matrix Spike Dup (AD62927-MSD1)     | Sou                             | rce: 16D023 | 0-01                          | Prepared & | Analyzed: | 04/05/16 |        |       |       |       |
| Silica                              | 22.2                            | 1.0         | mg/L                          | 5.00       | 18.4      | 75.1     | 80-120 | 0.656 | 20    | QM-05 |
| Batch AD62949 - General Preparation |                                 |             |                               |            |           |          |        |       |       |       |
| Blank (AD62949-BLK1)                |                                 |             |                               | Prepared & | Analyzed: | 04/06/16 |        |       |       |       |
| Ammonia as NH3                      | ND                              | 0.50        | mg/L                          |            |           |          |        |       |       |       |
| LCS (AD62949-BS1)                   |                                 |             |                               | Prepared & | Analyzed: | 04/06/16 |        |       |       |       |
| Ammonia as NH3                      | 5.75                            | 0.50        | mg/L                          | 6.10       |           | 94.2     | 90-110 |       |       |       |
| LCS Dup (AD62949-BSD1)              |                                 |             |                               | Prepared & | Analyzed: | 04/06/16 |        |       |       |       |
| Ammonia as NH3                      | 5.85                            | 0.50        | mg/L                          | 6.10       |           | 96.0     | 90-110 | 1.83  | 10    |       |
| Matrix Spike (AD62949-MS1)          | <b>Source: 16D0159-01</b> Prepa |             | Prepared & Analyzed: 04/06/16 |            |           |          |        |       |       |       |
| Ammonia as NH3                      | 12.1                            | 0.50        | mg/L                          | 12.2       | ND        | 99.5     | 85-115 |       |       |       |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 11:56

|                                     |        | Reporting   |       | Spike       | Source      |             | %REC    |      | RPD   |      |
|-------------------------------------|--------|-------------|-------|-------------|-------------|-------------|---------|------|-------|------|
| Analyte(s)                          | Result | Limit       | Units | Level       | Result      | %REC        | Limits  | RPD  | Limit | Flag |
| Batch AD62949 - General Preparation |        |             |       |             |             |             |         |      |       |      |
| Matrix Spike Dup (AD62949-MSD1)     | Sou    | rce: 16D015 | 9-01  | Prepared &  | ኔ Analyzed: | 04/06/16    |         |      |       |      |
| Ammonia as NH3                      | 11.9   | 0.50        | mg/L  | 12.2        | ND          | 97.7        | 85-115  | 1.77 | 20    |      |
| Batch AD62954 - General Preparation |        |             |       |             |             |             |         |      |       |      |
| Blank (AD62954-BLK1)                |        |             |       | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /12/16  |      |       |      |
| Total Dissolved Solids              | ND     | 10          | mg/L  |             |             |             |         |      |       |      |
| Duplicate (AD62954-DUP1)            | Sou    | rce: 16D021 | 3-01  | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /12/16  |      |       |      |
| Total Dissolved Solids              | 600    | 10          | mg/L  |             | 652         |             |         | 8.31 | 15    |      |
| Duplicate (AD62954-DUP2)            | Sou    | rce: 16D023 | 0-02  | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /12/16  |      |       |      |
| Total Dissolved Solids              | 376    | 10          | mg/L  |             | 404         |             |         | 7.18 | 15    |      |
| Batch AD62961 - General Preparation |        |             |       |             |             |             |         |      |       |      |
| Duplicate (AD62961-DUP1)            | Sou    | rce: 16D023 | 6-03  | Prepared &  | አ Analyzed: | 04/06/16    |         |      |       |      |
| Bicarbonate                         | 85.4   | 5.0         | mg/L  |             | 84.2        |             |         | 1.44 | 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     | 70.0   | 5.0         | mg/L  |             | 69.0        |             |         | 1.44 | 20    |      |
| Total Alkalinity as CaCO3           | 70.0   | 5.0         | mg/L  |             | 69.0        |             |         | 1.44 | 20    |      |
| Batch AD62969 - General Preparation |        |             |       |             |             |             |         |      |       |      |
| Blank (AD62969-BLK1)                |        |             |       | Prepared: ( | 04/06/16 A  | nalyzed: 04 | -/08/16 |      |       |      |
| Total Suspended Solids              | ND     | 1.0         | mg/L  |             |             |             |         |      |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 11:56

| Analysis (a)                        | D14    | Reporting   | T T : 4 | Spike       | Source      | 0/DEC       | %REC   | DDD   | RPD   | Flag |
|-------------------------------------|--------|-------------|---------|-------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units   | Level       | Result      | %REC        | Limits | RPD   | Limit | гіад |
| Batch AD62969 - General Preparation |        |             |         |             |             |             |        |       |       |      |
| Duplicate (AD62969-DUP1)            | Sou    | rce: 16D020 | 2-01    | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /08/16 |       |       |      |
| Total Suspended Solids              | 468    | 1.0         | mg/L    |             | 490         |             |        | 4.70  | 30    |      |
| Duplicate (AD62969-DUP2)            | Sou    | rce: 16D036 | 1-01    | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /08/16 |       |       |      |
| Total Suspended Solids              | 382    | 1.0         | mg/L    | •           | 335         | -           |        | 13.2  | 30    |      |
| Batch AD63089 - General Prep        |        |             |         |             |             |             |        |       |       |      |
| Blank (AD63089-BLK1)                |        |             |         | Prepared &  | Analyzed:   | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | ND     | 0.040       | mg/L    |             |             |             |        |       |       |      |
| LCS (AD63089-BS1)                   |        |             |         | Prepared &  | z Analyzed: | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | 0.200  | 0.040       | mg/L    | 0.200       |             | 99.8        | 85-115 |       |       |      |
| Duplicate (AD63089-DUP1)            | Sou    | rce: 16D037 | 0-02    | Prepared &  | z Analyzed: | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | 3.21   | 0.80        | mg/L    |             | 3.24        |             |        | 0.831 | 20    |      |
| Matrix Spike (AD63089-MS1)          | Sou    | rce: 16D037 | 0-02    | Prepared &  | z Analyzed: | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | 4.96   | 0.80        | mg/L    | 2.00        | 3.24        | 86.1        | 70-130 |       |       |      |
| Matrix Spike (AD63089-MS2)          | Sou    | rce: 16D037 | 2-02    | Prepared &  | Analyzed:   | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | 5.04   | 0.80        | mg/L    | 2.00        | 3.51        | 76.7        | 70-130 |       |       |      |
| Matrix Spike Dup (AD63089-MSD1)     | Sou    | rce: 16D037 | 0-02    | Prepared &  | z Analyzed: | 04/11/16    |        |       |       |      |
| Phosphorus, total                   | 4.99   | 0.80        | mg/L    | 2.00        | 3.24        | 87.4        | 70-130 | 0.543 | 20    |      |
| Batch AD63127 - General Preparation |        |             |         |             |             |             |        |       |       |      |
| Blank (AD63127-BLK1)                |        |             |         | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /11/16 |       |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0         | mg/L    | -           |             | -           |        |       |       |      |



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

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

Reported: 04/19/16 11:56

| Analyte(s)                          | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC        | %REC<br>Limits | RPD | RPD<br>Limit | Flag |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|-------------|----------------|-----|--------------|------|
| Batch AD63127 - General Preparation |        |                    |       |                |                  |             |                |     |              |      |
| Blank (AD63127-BLK2)                |        |                    |       | Prepared: (    | 04/06/16 A       | nalyzed: 04 | /11/16         |     |              |      |
| Biochemical Oxygen Demand           | ND     | 5.0                | mg/L  |                |                  |             |                |     |              |      |
| LCS (AD63127-BS1)                   |        |                    |       | Prepared: (    | 04/05/16 A       | nalyzed: 04 | /10/16         |     |              |      |
| Biochemical Oxygen Demand           | 220    | 5.0                | mg/L  | 200            |                  | 110         | 84-115         |     |              |      |
| Duplicate (AD63127-DUP1)            | Sou    | ırce: 16D034       | 4-02  | Prepared: (    | 04/06/16 A       | nalyzed: 04 | /11/16         |     |              |      |
| Biochemical Oxygen Demand           | ND     |                    | ND    |                | 30               |             |                |     |              |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 11:56

## Anions by EPA Method 300.0 - Quality Control

| Analyte(s)                          | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD    | RPD<br>Limit | Flag  |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|--------|--------------|-------|
|                                     | Result | Lillit             | Units | Level          | Kesuit           | /0KEC    | Lillits        | KrD    | Liiiit       | 1 145 |
| Satch AD62920 - General Preparation |        |                    |       |                |                  |          |                |        |              |       |
| Blank (AD62920-BLK1)                |        |                    |       | Prepared &     | Analyzed:        | 04/05/16 |                |        |              |       |
| Nitrite as N                        | ND     | 0.20               | 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  |                |                  |          |                |        |              |       |
| Chloride                            | ND     | 0.50               | mg/L  |                |                  |          |                |        |              |       |
| LCS (AD62920-BS1)                   |        |                    |       | Prepared &     | Analyzed:        | 04/05/16 |                |        |              |       |
| Nitrite as NO2                      | 18.0   | 1.0                | mg/L  | 18.2           |                  | 98.8     | 90-110         |        |              |       |
| Nitrate as NO3                      | 26     | 1.0                | mg/L  | 24.7           |                  | 104      | 90-110         |        |              |       |
| Nitrate as N                        | 5.80   | 0.20               | mg/L  | 5.56           |                  | 104      | 90-110         |        |              |       |
| Nitrite as N                        | 5.47   | 0.20               | mg/L  | 5.56           |                  | 98.5     | 90-110         |        |              |       |
| Chloride                            | 11.5   | 0.50               | mg/L  | 11.1           |                  | 103      | 90-110         |        |              |       |
| Duplicate (AD62920-DUP1)            | Sou    | ırce: 16D016       | 6-01  | Prepared &     | Analyzed:        | 04/05/16 |                |        |              |       |
| Chloride                            | 3.78   | 0.50               | mg/L  |                | 3.78             |          |                | 0.0264 | 20           |       |
| Nitrate as NO3                      | ND     | 1.0                | mg/L  |                | ND               |          |                |        | 20           |       |
| Nitrite as N                        | ND     | 0.20               | mg/L  |                | ND               |          |                |        | 20           |       |
| Nitrate as N                        | ND     | 0.20               | mg/L  |                | ND               |          |                |        | 20           |       |
| Nitrite as NO2                      | ND     | 1.0                | mg/L  |                | ND               |          |                |        | 20           |       |
| Matrix Spike (AD62920-MS1)          | Sou    | ırce: 16D016       | 6-01  | Prepared &     | Analyzed:        | 04/05/16 |                |        |              |       |
| Chloride                            | 14.9   | 2.5                | mg/L  | 11.1           | 3.78             | 100      | 80-120         |        |              |       |
| Nitrite as N                        | 5.30   | 1.0                | mg/L  | 5.56           | ND               | 95.4     | 80-120         |        |              |       |
| Nitrate as N                        | 5.44   | 1.0                | mg/L  | 5.56           | ND               | 98.0     | 80-120         |        |              |       |
| Nitrite as NO2                      | 17.4   | 5.0                | mg/L  | 18.2           | ND               | 95.7     | 80-120         |        |              |       |
| Nitrate as NO3                      | 24     | 5.0                | mg/L  | 24.7           | ND               | 97.7     | 80-120         |        |              |       |
| Matrix Spike (AD62920-MS2)          | Sou    | ırce: 16D016       | 7-01  | Prepared &     | Analyzed:        | 04/06/16 |                |        |              |       |
| Nitrate as N                        | 7.01   | 0.20               | mg/L  | 5.56           | 0.237            | 122      | 80-120         |        |              | QM-0  |
| Nitrite as NO2                      | 20.1   | 1.0                | mg/L  | 18.2           | ND               | 110      | 80-120         |        |              |       |
| Nitrate as NO3                      | 31     | 1.0                | mg/L  | 24.7           | 1.0              | 122      | 80-120         |        |              | QM-0  |
| Nitrite as N                        | 6.12   | 0.20               | mg/L  | 5.56           | ND               | 110      | 80-120         |        |              |       |
| Chloride                            | 14.7   | 0.50               | mg/L  | 11.1           | 3.13             | 105      | 80-120         |        |              |       |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 11:56

## Anions by EPA Method 300.0 - Quality Control

| Analyte(s)                          | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD   | RPD<br>Limit | Flag |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|-------|--------------|------|
| Batch AD62920 - General Preparation |        |                    |       |                |                  |          |                |       |              |      |
| Matrix Spike Dup (AD62920-MSD1)     | Sour   | ce: 16D016         | 6-01  | Prepared &     | Analyzed:        | 04/05/16 |                |       |              |      |
| Chloride                            | 14.9   | 2.5                | mg/L  | 11.1           | 3.78             | 100      | 80-120         | 0.112 | 20           |      |
| Nitrate as N                        | 5.47   | 1.0                | mg/L  | 5.56           | ND               | 98.4     | 80-120         | 0.437 | 20           |      |
| Nitrite as NO2                      | 17.5   | 5.0                | mg/L  | 18.2           | ND               | 96.1     | 80-120         | 0.418 | 20           |      |
| Nitrate as NO3                      | 24     | 5.0                | mg/L  | 24.7           | ND               | 98.2     | 80-120         | 0.437 | 20           |      |
| Nitrite as N                        | 5.32   | 1.0                | mg/L  | 5.56           | ND               | 95.8     | 80-120         | 0.418 | 20           |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/19/16 11:56

#### **Notes and Definitions**

| QM-01 | The spike recovery for this | QC sample is outside of established | l control limits possibly due to | a sample matrix interference. |
|-------|-----------------------------|-------------------------------------|----------------------------------|-------------------------------|
| X     |                             | (                                   |                                  | r =                           |

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance

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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# Work Order Chain of Custody Record

4.6

Bay Area Laboratory 6398 Dougherty Road, #35, Dublin, CA 94568 925-828-6226 F) 925-828-6309 Lab No. 1600286 Page of

| Company/Name:                                                                                |                                                  | Project II      | Project ID:    |          |                    |              |                     |                                        |                                              | Signature below authorizes work under terms stated on reverse side. |           |          |                                  |              |        |                                               |                                            |                     |                        |               |             |                                                  |          |                                                  |                 |          |              |                      |                                |
|----------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------|----------------|----------|--------------------|--------------|---------------------|----------------------------------------|----------------------------------------------|---------------------------------------------------------------------|-----------|----------|----------------------------------|--------------|--------|-----------------------------------------------|--------------------------------------------|---------------------|------------------------|---------------|-------------|--------------------------------------------------|----------|--------------------------------------------------|-----------------|----------|--------------|----------------------|--------------------------------|
| West Bay Sanitary District                                                                   |                                                  |                 |                | WC       | J [                | VΙο          | nit                 | tor                                    | in                                           | g_                                                                  |           | _        |                                  |              |        |                                               |                                            | A                   | naly                   | ysis F        | Req≀        | uest                                             |          |                                                  |                 |          | Sample Notes | TAT                  |                                |
| Mailing Address:<br>500 Laurel Street<br>Menio Park, CA 94025                                |                                                  | Project N       | lo:            | <u> </u> | Dal                | κA           | ve                  | nu                                     | e                                            |                                                                     |           |          |                                  |              | Τ      | T                                             | 1                                          | Τ                   | Τ                      |               | Τ           |                                                  |          | <u>.</u>                                         |                 | -        |              | 24 hr                |                                |
| Project Contact & Email (Hardcopy or PDF<br>John Simonetti<br>jsimonetti@westbaysanitary.org | to);                                             | PO#             |                | _        |                    |              | _                   |                                        |                                              |                                                                     |           |          |                                  |              |        |                                               | ,   <u>«</u>                               | 3                   | NO3                    | <u>و</u> ( کِ | lation      |                                                  |          |                                                  |                 |          | 49           | 48 hr                | Lab Approval Required For Rush |
| Phone/Fax:                                                                                   |                                                  | Site Cont       |                | <u> </u> |                    |              |                     | <u>.</u>                               |                                              |                                                                     |           |          |                                  |              |        | Ca. Mg. Na                                    | Ammonia Phosphorus                         | 2                   | Chloride, EC. NO2, NO3 | Bicarbonate   | Calculation |                                                  |          |                                                  |                 |          |              | Approval<br>Required | -<br>Require                   |
| Field Sampler - Print Name & Signature                                                       |                                                  |                 |                | onta     |                    |              |                     |                                        |                                              | ive                                                                 | M         | atr      | ìx                               |              |        | Ca.                                           | ቪ                                          | .   c               | ن ا                    |               | Adjusted    |                                                  |          |                                                  |                 |          |              | 1 wk                 | prova                          |
|                                                                                              |                                                  | mple<br>ection  | П              | T        | Γ                  | П            | П                   | Τ                                      | Τ                                            | Т                                                                   | T         | Γ        | -                                | ٩            | _      | mi<br>m                                       | ֓֞֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֟֓֓֓֓֓֓ | ()<br>              | ,   e                  | [].≱          | ļġ          |                                                  |          |                                                  |                 |          |              | 2 wk                 | b Ap                           |
| Sample                                                                                       |                                                  |                 | 40ml Vial      | y<br>ISS | g                  | 혈            | _ [                 | ខ្លន់                                  | ֓֞֞֞֞֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓        | <u>.</u>   e                                                        | Į į       |          | 듈                                | DU BOD       | Hd D   | <u>.                                     </u> | ,<br>  u                                   | Total Nitrogen      | ا اور                  | Alkalinity,   | SARA        |                                                  | TDS      | TSS                                              |                 |          |              | (standard            | D [3]                          |
| Identification                                                                               | Date                                             | Time            | ģ.             |          |                    | ਰੈ           |                     | $\neg$                                 | $\overline{}$                                | _                                                                   | _         | Soil     | Other                            | ō            | 2      | <u> </u>                                      | <u>1</u>  ₹                                | <u> </u>   <u> </u> | <u>: ô</u>             | ं∤₹           | <u> 3</u>   | Si                                               | 트        | <u> </u> <u> </u>                                | Щ               | $\dashv$ |              | 0                    |                                |
| Oak Avenue                                                                                   | 4/4/6                                            | OADO            | 09rd 4 1 1 2 x |          |                    |              |                     |                                        |                                              | Ц                                                                   | х         | x        | ×                                | x_           | ×      | х                                             | х                                          | х                   | x                      | x             | x           | $\sqcup$                                         | _        |                                                  |                 |          |              |                      |                                |
|                                                                                              | <b>↓</b>                                         | <b></b>         |                |          |                    |              |                     |                                        |                                              | ┦                                                                   | $\vdash$  | igspace  | igspace                          | $\bot$       | $\bot$ | 4                                             | ┿                                          | ↓_                  | <u> </u>               | _             | ╙           | $\sqcup$                                         | _        |                                                  |                 |          |              |                      |                                |
| -                                                                                            | <b></b>                                          | <del></del>     |                |          |                    |              |                     |                                        |                                              | <u> </u>                                                            | igspace   | ┷        | 4                                | $\bot$       | 4      | ┷                                             | 丄                                          | _                   |                        |               | lacksquare  | _                                                |          |                                                  |                 |          |              |                      |                                |
|                                                                                              | <b>_</b>                                         | <b>↓</b>        | ₩              | ┷        | 丄                  | Ц            | $\dashv$            | 4                                      | 4                                            | $\bot$                                                              | ┺         | Ļ        | Ш                                | $oxed{oxed}$ | ot     | $\bot$                                        | $\bot$                                     | $\bot$              | 丄                      | $\perp$       | 上           | <u> </u>                                         | _        | igsqcup                                          |                 | _        |              |                      |                                |
|                                                                                              | <b>↓</b>                                         | <b>⊥</b>        |                | $\perp$  | 丄                  |              |                     | $\perp$                                | 丄                                            | 丄                                                                   | L         | L        | Ш                                | 匚            | L      | $\perp$                                       | $\perp$                                    |                     | ┸                      | 丄             | <u> </u>    |                                                  |          |                                                  | Ш               |          |              |                      |                                |
|                                                                                              |                                                  |                 |                | $\perp$  | $oldsymbol{\perp}$ | Ш            |                     | $\perp$                                | _                                            | $\perp$                                                             | L         | L        | Ш                                |              | L      | $\perp$                                       | $\perp$                                    | $\perp$             |                        |               | <u></u>     |                                                  |          |                                                  | $oxed{oxed}$    |          |              |                      |                                |
|                                                                                              |                                                  |                 |                |          |                    |              |                     |                                        |                                              |                                                                     |           |          |                                  |              |        |                                               |                                            |                     |                        |               |             |                                                  |          |                                                  |                 | $\neg$   | Ī            |                      |                                |
|                                                                                              | 1                                                |                 |                | Т        | T                  | П            |                     | T                                      | T                                            | 1                                                                   |           | T        | П                                |              | Т      | $\top$                                        | T                                          |                     |                        | 1             | T           |                                                  |          |                                                  |                 | ٦        |              |                      |                                |
|                                                                                              |                                                  |                 | $\Box$         | 十        | 十                  | П            |                     | 十                                      | 十                                            | $\top$                                                              | T         | T        | ⇈                                |              | T      | $\top$                                        | $\top$                                     | +                   | +                      | +             | $\vdash$    |                                                  | $\vdash$ | $\vdash$                                         |                 | ┪        | -            |                      |                                |
| <del></del>                                                                                  | 1                                                | +               | 1              | +        | $\dagger$          | H            |                     | 十                                      | 十                                            | 十                                                                   | T         | +        | ┦                                | Н            | $t^-$  | +                                             | +-                                         | +                   | +-                     | +             | ┼─          | <del>                                     </del> |          | $\vdash$                                         | $\vdash$        | $\dashv$ | ,            |                      |                                |
| <del></del>                                                                                  | <del>                                     </del> | +               | ╂┼             | +        | ╁                  | H            | +                   | 十                                      | ╁                                            | +-                                                                  | 十         | ╁        | ┼┦                               |              | ╁      | +                                             | ╁╴                                         | +                   | +-                     | +             | ┼─          |                                                  | $\vdash$ | ┢                                                | $\vdash \vdash$ | $\dashv$ |              |                      |                                |
|                                                                                              | <del>├</del>                                     | ┼──             | ╂┼             | +        | ╀                  | $oxed{\Box}$ | +                   | +                                      | +                                            | +                                                                   | ╁╴        | $\vdash$ | ╀┦                               | $\vdash$     | ╁      | +-                                            | +-                                         | +-                  | +                      | $+\!\!-$      | ┼           | <u> </u>                                         | ┝        | <del>                                     </del> | $\vdash$        | $\dashv$ | ļ            |                      |                                |
|                                                                                              | <del> </del>                                     | ——              | ₩              | +        | ╄                  | $\square$    | $\vdash$            | +                                      | +                                            | +                                                                   | ╄         | ╄        | ┦                                | ▙            | ₩      | ╄-                                            | ┿                                          | ┷                   | 4                      | ┷             | ↓_          |                                                  | _        | <u> </u>                                         | $\vdash \vdash$ | {        |              |                      |                                |
| <u> </u>                                                                                     | <del> </del>                                     | —               | ₩              | ┿        | $\bot$             | Ц            | $\vdash \downarrow$ | 4                                      | 4                                            | 4                                                                   | ┺         | ╄        | Ш                                | ╙            | ┶      | 丄                                             | 丄                                          | 1                   | ╀                      | ┵             | ↓_          | _                                                | L        | <u> </u>                                         | $\square$       | _        |              |                      |                                |
|                                                                                              |                                                  | حل              | Ш              | ᆚ        | 占                  | Ц            |                     | 丄                                      | $\perp$                                      | $\perp$                                                             |           | L        | Ш                                | L            |        |                                               |                                            |                     |                        |               |             |                                                  |          |                                                  |                 |          |              |                      |                                |
| Retinquished by:                                                                             |                                                  | Received        | ارچه<br>اکسی   | 6        | <u> </u>           | T            | Ì                   | _                                      |                                              |                                                                     |           |          | Dat                              | ь<br>4(      | رل     | Tim                                           | ne 2                                       | 00                  | Cī                     | DPH           | Wri         | le O                                             | n El     | ЭТ F                                             | Repor           | rt?      | Yes          | No (                 |                                |
| Relibqdibried by:                                                                            |                                                  | Received by: Da |                |          |                    |              | Dat                 |                                        | ,                                            | Tim                                                                 |           |          | St                               | tate :       | Sys    | tem                                           | Nu                                         | mbe                 | er:                    | -             | <del></del> |                                                  |          |                                                  |                 |          |              |                      |                                |
| Relimquished.hy                                                                              |                                                  |                 |                |          |                    |              | Date                |                                        |                                              | Tim                                                                 | ne<br>  & | که!      | CA Geotracker EDF, Report Yes No |              |        |                                               |                                            |                     |                        |               |             |                                                  |          |                                                  |                 |          |              |                      |                                |
| Relinquished                                                                                 |                                                  | Received by:    |                |          |                    |              | 1                   | Date , Time Sampling Company Log Code: |                                              |                                                                     |           |          |                                  |              |        |                                               |                                            |                     |                        |               |             |                                                  |          |                                                  |                 |          |              |                      |                                |
| Relinquished by:                                                                             | <del>-</del><br>—                                | Booksof         |                |          |                    |              |                     |                                        | 4/4 21:20 Global ID: EDF to (Email Address): |                                                                     |           |          |                                  |              |        |                                               |                                            |                     |                        |               |             |                                                  |          |                                                  |                 |          |              |                      |                                |
| Relinquished by:                                                                             | _                                                | Received        |                |          |                    |              |                     |                                        |                                              | Dat                                                                 | e         |          | Tim                              | 10           |        | Tra                                           | ivel a                                     | nd Si               | ile Ti                 | ne:           | Mile        | age;                                             |          | Misc. Supplies:                                  |                 |          |              |                      |                                |



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

ELAP Certificates 1551, 2728, and 2922

20 April 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

**RE: WQ Monitoring** 

Work Order: 16D0361

Enclosed are the results of analyses for samples received by the laboratory on 04/05/16 22:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Robbie C. Phillips

Jeanette Popli

Project Manager



e-mail: clientservices@alpha-labs.com

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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/20/16 10:35

#### ANALYTICAL REPORT FOR SAMPLES

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



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/20/16 10:35

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



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West Bay Sanitary DistrictProject Manager: John Simonetti500 Laurel StreetProject: WQ MonitoringReported:Menlo Park, CA 94025Project Number: Oak Avenue04/20/16 10:35

|                                                       | Result  | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method    | Note |
|-------------------------------------------------------|---------|-----------------|----------|---------|----------------|-------------------|-----------|------|
| Oak Avenue (16D0361-01)<br>Anions by EPA Method 300.0 |         | Sample Type:    | Water    |         | Sample         | d: 04/05/16 09:00 |           |      |
| Chloride                                              | 76 mg/L | 12              | 25       | AD62985 | 04/06/16 23:52 | 04/06/16 23:52    | EPA 300.0 |      |
| Nitrate as N                                          | ND mg/L | 0.20            | 1        | AD62985 | 04/07/16 00:08 | 04/07/16 00:08    | EPA 300.0 |      |
| Nitrate as NO3                                        | ND mg/L | 1.0             | 1        | AD62985 | 04/07/16 00:08 | 04/07/16 00:08    | EPA 300.0 |      |
| Nitrite as N                                          | ND mg/L | 0.20            | 1        | AD62985 | 04/07/16 00:08 | 04/07/16 00:08    | EPA 300.0 |      |
| Nitrite as NO2                                        | ND mg/L | 1.0             | 1        | AD62985 | 04/07/16 00:08 | 04/07/16 00:08    | EPA 300.0 |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/20/16 10:35

## Metals by EPA 200 Series Methods - Quality Control

|                               |        | Reporting  |       | Spike       | Source      |             | %REC   |      | RPD   |      |
|-------------------------------|--------|------------|-------|-------------|-------------|-------------|--------|------|-------|------|
| Analyte(s)                    | Result | Limit      | Units | Level       | Result      | %REC        | Limits | RPD  | Limit | Flag |
| Batch AD63278 - Metals Digest |        |            |       |             |             |             |        |      |       |      |
| Blank (AD63278-BLK1)          |        |            |       | Prepared: ( | 04/14/16 Ar | nalyzed: 04 | /18/16 |      |       |      |
| Boron                         | ND     | 0.050      | mg/L  |             |             |             |        |      |       |      |
| Calcium                       | ND     | 1.0        | mg/L  |             |             |             |        |      |       |      |
| Magnesium                     | ND     | 1.0        | mg/L  |             |             |             |        |      |       |      |
| Sodium                        | ND     | 1.0        | mg/L  |             |             |             |        |      |       |      |
| LCS (AD63278-BS1)             |        |            |       | Prepared: ( | 04/14/16 Ar | nalyzed: 04 | /18/16 |      |       |      |
| Boron                         | 0.387  | 0.050      | mg/L  | 0.400       |             | 96.8        | 85-115 |      |       |      |
| Calcium                       | 7.66   | 1.0        | mg/L  | 8.00        |             | 95.8        | 85-115 |      |       |      |
| Magnesium                     | 8.13   | 1.0        | mg/L  | 8.00        |             | 102         | 85-115 |      |       |      |
| Sodium                        | 7.94   | 1.0        | mg/L  | 8.00        |             | 99.3        | 85-115 |      |       |      |
| Duplicate (AD63278-DUP1)      | Sour   | ce: 16D041 | 6-01  | Prepared: ( | 04/14/16 Aı | nalyzed: 04 | /18/16 |      |       |      |
| Boron                         | 0.0713 | 0.050      | mg/L  |             | 0.0615      |             |        | 14.8 | 20    |      |
| Calcium                       | 13.6   | 1.0        | mg/L  |             | 14.1        |             |        | 4.07 | 20    |      |
| Magnesium                     | 8.86   | 1.0        | mg/L  |             | 8.72        |             |        | 1.65 | 20    |      |
| Sodium                        | 22.9   | 1.0        | mg/L  |             | 23.8        |             |        | 3.65 | 20    |      |
| Matrix Spike (AD63278-MS1)    | Sour   | ce: 16D041 | 6-01  | Prepared: ( | 04/14/16 Aı | nalyzed: 04 | /18/16 |      |       |      |
| Boron                         | 0.453  | 0.050      | mg/L  | 0.400       | 0.0615      | 97.9        | 70-130 |      |       |      |
| Calcium                       | 22.6   | 1.0        | mg/L  | 8.00        | 14.1        | 106         | 70-130 |      |       |      |
| Magnesium                     | 17.5   | 1.0        | mg/L  | 8.00        | 8.72        | 110         | 70-130 |      |       |      |
| Sodium                        | 32.4   | 1.0        | mg/L  | 8.00        | 23.8        | 108         | 70-130 |      |       |      |
| Matrix Spike (AD63278-MS2)    | Sour   | ce: 16D046 | 4-01  | Prepared: ( | 04/14/16 Ar | nalyzed: 04 | /18/16 |      |       |      |
| Boron                         | 1.83   | 0.050      | mg/L  | 0.400       | 1.54        | 71.3        | 70-130 |      |       |      |
| Calcium                       | 37.3   | 1.0        | mg/L  | 8.00        | 31.2        | 76.9        | 70-130 |      |       |      |
| Magnesium                     | 29.2   | 1.0        | mg/L  | 8.00        | 22.8        | 79.8        | 70-130 |      |       |      |
| Sodium                        | 24.8   | 1.0        | mg/L  | 8.00        | 17.7        | 88.4        | 70-130 |      |       |      |



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

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

Reported: 04/20/16 10:35

## Metals by EPA 200 Series Methods - Quality Control

|        | Reporting             |                                                                                                    | Spike                                                                                                                                         | Source                                                                                                                                                                                                        |                                                                                                                                                                                                                                                              | %REC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                       | RPD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | T.I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------|-----------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Result | Limit                 | Units                                                                                              | Level                                                                                                                                         | Result                                                                                                                                                                                                        | %REC                                                                                                                                                                                                                                                         | Limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | RPD                                                                                                                                                                                                                                                                                                                                                                   | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Flag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|        |                       |                                                                                                    |                                                                                                                                               |                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sour   | ce: 16D041            | 6-01                                                                                               | Prepared: (                                                                                                                                   | 04/14/16 Aı                                                                                                                                                                                                   | nalyzed: 04                                                                                                                                                                                                                                                  | /18/16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 0.440  | 0.050                 | mg/L                                                                                               | 0.400                                                                                                                                         | 0.0615                                                                                                                                                                                                        | 94.6                                                                                                                                                                                                                                                         | 70-130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3.01                                                                                                                                                                                                                                                                                                                                                                  | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 21.6   | 1.0                   | mg/L                                                                                               | 8.00                                                                                                                                          | 14.1                                                                                                                                                                                                          | 93.7                                                                                                                                                                                                                                                         | 70-130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4.52                                                                                                                                                                                                                                                                                                                                                                  | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 17.0   | 1.0                   | mg/L                                                                                               | 8.00                                                                                                                                          | 8.72                                                                                                                                                                                                          | 103                                                                                                                                                                                                                                                          | 70-130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3.41                                                                                                                                                                                                                                                                                                                                                                  | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 31.0   | 1.0                   | mg/L                                                                                               | 8.00                                                                                                                                          | 23.8                                                                                                                                                                                                          | 90.6                                                                                                                                                                                                                                                         | 70-130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4.46                                                                                                                                                                                                                                                                                                                                                                  | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|        | 0.440<br>21.6<br>17.0 | Source: 16D041           0.440         0.050           21.6         1.0           17.0         1.0 | Source: 16D0416-01           0.440         0.050         mg/L           21.6         1.0         mg/L           17.0         1.0         mg/L | Source: 16D0416-01         Prepared: 0.440           0.440         0.050         mg/L         0.400           21.6         1.0         mg/L         8.00           17.0         1.0         mg/L         8.00 | Source: 16D0416-01         Prepared: 04/14/16 Ar           0.440         0.050         mg/L         0.400         0.0615           21.6         1.0         mg/L         8.00         14.1           17.0         1.0         mg/L         8.00         8.72 | Source: 16D0416-01         Prepared: 04/14/16 Analyzed: 0 | Result         Limit         Units         Level         Result         %REC         Limits           Source: 16D0416-01         Prepared: 04/14/16 Analyzed: 04/18/16           0.440         0.050 mg/L         0.400 0.0615 94.6 70-130           21.6         1.0 mg/L         8.00 14.1 93.7 70-130           17.0         1.0 mg/L         8.00 8.72 103 70-130 | Result         Limit         Units         Level         Result         %REC         Limits         RPD           Source: 16D0416-01         Prepared: 04/14/16 Analyzed: 04/18/16           0.440         0.050         mg/L         0.400         0.0615         94.6         70-130         3.01           21.6         1.0         mg/L         8.00         14.1         93.7         70-130         4.52           17.0         1.0         mg/L         8.00         8.72         103         70-130         3.41 | Result         Limit         Units         Level         Result         %REC         Limits         RPD         Limit           Source: 16D0416-01         Prepared: 04/14/16 Analyzed: 04/18/16           0.440         0.050         mg/L         0.400         0.0615         94.6         70-130         3.01         20           21.6         1.0         mg/L         8.00         14.1         93.7         70-130         4.52         20           17.0         1.0         mg/L         8.00         8.72         103         70-130         3.41         20 |



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

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

Reported: 04/20/16 10:35

|                                     |        | Reporting   |          | Spike       | Source     |             | %REC   |       | RPD   |      |
|-------------------------------------|--------|-------------|----------|-------------|------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units    | Level       | Result     | %REC        | Limits | RPD   | Limit | Flag |
| Batch AD62962 - General Preparation |        |             |          |             |            |             |        |       |       |      |
| Duplicate (AD62962-DUP1)            | Sou    | rce: 16D050 | 3-03     | Prepared &  | Analyzed:  | 04/11/16    |        |       |       |      |
| Bicarbonate                         | 67.1   | 5.0         | mg/L     |             | 65.9       |             |        | 1.83  | 20    |      |
| Total Alkalinity as CaCO3           | 55.0   | 5.0         | mg/L     |             | 54.0       |             |        | 1.83  | 20    |      |
| Bicarbonate Alkalinity as CaCO3     | 55.0   | 5.0         | mg/L     |             | 54.0       |             |        | 1.83  | 20    |      |
| Carbonate Alkalinity as CaCO3       | ND     | 5.0         | mg/L     |             | ND         |             |        |       | 20    |      |
| Hydroxide Alkalinity as CaCO3       | ND     | 5.0         | mg/L     |             | ND         |             |        |       | 20    |      |
| Batch AD62969 - General Preparation |        |             |          |             |            |             |        |       |       |      |
| Blank (AD62969-BLK1)                |        |             |          | Prepared: ( | 04/06/16 A | nalyzed: 04 | /08/16 |       |       |      |
| Total Suspended Solids              | ND     | 1.0         | mg/L     |             |            |             |        |       |       |      |
| Duplicate (AD62969-DUP1)            | Sou    | rce: 16D020 | 2-01     | Prepared: ( | 04/06/16 A | nalyzed: 04 | /08/16 |       |       |      |
| Total Suspended Solids              | 468    | 1.0         | mg/L     |             | 490        |             |        | 4.70  | 30    |      |
| Duplicate (AD62969-DUP2)            | Sou    | rce: 16D036 | 1-01     | Prepared: ( | 04/06/16 A | nalyzed: 04 | /08/16 |       |       |      |
| Total Suspended Solids              | 382    | 1.0         | mg/L     |             | 335        |             |        | 13.2  | 30    |      |
| Batch AD62974 - General Preparation |        |             |          |             |            |             |        |       |       |      |
| Duplicate (AD62974-DUP1)            | Sou    | rce: 16D040 | 4-01     | Prepared &  | Analyzed:  | 04/05/16    |        |       |       |      |
| pH                                  | 8.22   | 1.68        | pH Units |             | 8.17       |             |        | 0.610 | 20    |      |
| Batch AD62975 - General Prep        |        |             |          |             |            |             |        |       |       |      |
| LCS (AD62975-BS1)                   |        |             |          | Prepared: ( | 04/06/16 A | nalyzed: 04 | /07/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0         | mg/L     | 2.98        |            | 99.0        | 80-120 |       |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/20/16 10:35

|                                     |        | Reporting   |       | Spike       | Source      |             | %REC    |       | RPD   |      |
|-------------------------------------|--------|-------------|-------|-------------|-------------|-------------|---------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units | Level       | Result      | %REC        | Limits  | RPD   | Limit | Flag |
| Batch AD62975 - General Prep        |        |             |       |             |             |             |         |       |       |      |
| LCS Dup (AD62975-BSD1)              |        |             |       | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /07/16  |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0         | mg/L  | 2.98        |             | 99.0        | 80-120  | 0.00  | 20    |      |
| Matrix Spike (AD62975-MS1)          | Sou    | rce: 16D028 | 3-01  | Prepared: ( | 04/06/16 A  | nalyzed: 04 | -/07/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 3.13   | 1.0         | mg/L  | 2.98        | ND          | 105         | 75-125  |       |       |      |
| Matrix Spike Dup (AD62975-MSD1)     | Sou    | rce: 16D028 | 3-01  | Prepared: ( | 04/06/16 A  | nalyzed: 04 | -/07/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 3.13   | 1.0         | mg/L  | 2.98        | ND          | 105         | 75-125  | 0.00  | 20    |      |
| Batch AD63052 - General Preparation |        |             |       |             |             |             |         |       |       |      |
| Blank (AD63052-BLK1)                |        |             |       | Prepared &  | k Analyzed: | 04/08/16    |         |       |       |      |
| Silica                              | ND     | 1.0         | mg/L  |             |             |             |         |       |       |      |
| LCS (AD63052-BS1)                   |        |             |       | Prepared &  | k Analyzed: | 04/08/16    |         |       |       |      |
| Silica                              | 10.3   | 1.0         | mg/L  | 10.0        |             | 103         | 85-115  |       |       |      |
| LCS Dup (AD63052-BSD1)              |        |             |       | Prepared &  | k Analyzed: | 04/08/16    |         |       |       |      |
| Silica                              | 10.5   | 1.0         | mg/L  | 10.0        |             | 105         | 85-115  | 2.48  | 20    |      |
| Duplicate (AD63052-DUP1)            | Sou    | rce: 16D036 | 1-01  | Prepared &  | k Analyzed: | 04/08/16    |         |       |       |      |
| Silica                              | 20.8   | 2.0         | mg/L  |             | 21.3        |             |         | 2.46  | 20    |      |
| Matrix Spike (AD63052-MS1)          | Sou    | rce: 16D036 | 1-01  | Prepared &  | k Analyzed: | 04/08/16    |         |       |       |      |
| Silica                              | 30.2   | 4.0         | mg/L  | 10.0        | 21.3        | 89.4        | 80-120  |       |       |      |
| Matrix Spike Dup (AD63052-MSD1)     | Sou    | rce: 16D036 | 1-01  | Prepared &  | k Analyzed: | 04/08/16    |         |       |       |      |
| Silica                              | 29.9   | 4.0         | mg/L  | 10.0        | 21.3        | 86.4        | 80-120  | 0.982 | 20    |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/20/16 10:35

| Analyte(s)                                 | Result | Reporting<br>Limit | Units    | Spike<br>Level | Source<br>Result | %REC        | %REC<br>Limits | RPD   | RPD<br>Limit | Flag  |
|--------------------------------------------|--------|--------------------|----------|----------------|------------------|-------------|----------------|-------|--------------|-------|
| Allalytt(s)                                | Result | Lillit             | Omis     | Level          | Result           | 70KEC       | Lillits        | KLD   | Liiiit       | 1 146 |
| <b>Batch AD63053 - General Preparation</b> |        |                    |          |                |                  |             |                |       |              |       |
| <b>Duplicate (AD63053-DUP1)</b>            | Sou    | ırce: 16D046       | 8-02     | Prepared &     | ն Analyzed:      | 04/06/16    |                |       |              |       |
| Specific Conductance (EC)                  | 1570   | 20                 | umhos/cm |                | 1560             |             |                | 0.192 | 5            |       |
| Batch AD63089 - General Prep               |        |                    |          |                |                  |             |                |       |              |       |
| Blank (AD63089-BLK1)                       |        |                    |          | Prepared &     | ኔ Analyzed:      | 04/11/16    |                |       |              |       |
| Phosphorus, total                          | ND     | 0.040              | mg/L     |                |                  |             |                |       |              |       |
| LCS (AD63089-BS1)                          |        |                    |          | Prepared &     | ኔ Analyzed:      | 04/11/16    |                |       |              |       |
| Phosphorus, total                          | 0.200  | 0.040              | mg/L     | 0.200          |                  | 99.8        | 85-115         |       |              |       |
| Duplicate (AD63089-DUP1)                   | Soi    | ırce: 16D037       | 0-02     | Prepared &     | ኔ Analyzed:      | 04/11/16    |                |       |              |       |
| Phosphorus, total                          | 3.21   | 0.80               | mg/L     |                | 3.24             |             |                | 0.831 | 20           |       |
| Matrix Spike (AD63089-MS1)                 | Soi    | ırce: 16D037       | 0-02     | Prepared &     | ኔ Analyzed:      | 04/11/16    |                |       |              |       |
| Phosphorus, total                          | 4.96   | 0.80               | mg/L     | 2.00           | 3.24             | 86.1        | 70-130         |       |              |       |
| Matrix Spike (AD63089-MS2)                 | Soi    | ırce: 16D037       | 2-02     | Prepared &     | ኔ Analyzed:      | 04/11/16    |                |       |              |       |
| Phosphorus, total                          | 5.04   | 0.80               | mg/L     | 2.00           | 3.51             | 76.7        | 70-130         |       |              |       |
| Matrix Spike Dup (AD63089-MSD1)            | Soi    | ırce: 16D037       | 0-02     | Prepared &     | ኔ Analyzed:      | 04/11/16    |                |       |              |       |
| Phosphorus, total                          | 4.99   | 0.80               | mg/L     | 2.00           | 3.24             | 87.4        | 70-130         | 0.543 | 20           |       |
| Batch AD63095 - General Preparation        |        |                    |          |                |                  |             |                |       |              |       |
| Blank (AD63095-BLK1)                       |        |                    |          | Prepared: (    | 04/11/16 A       | nalyzed: 04 | /13/16         |       |              |       |
| Total Dissolved Solids                     | ND     | 10                 | mg/L     |                | ·                |             |                |       |              |       |



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Reported: 04/20/16 10:35

|                                     |        | Reporting   |       | Spike       | Source     |             | %REC   |      | RPD   |      |
|-------------------------------------|--------|-------------|-------|-------------|------------|-------------|--------|------|-------|------|
| Analyte(s)                          | Result | Limit       | Units | Level       | Result     | %REC        | Limits | RPD  | Limit | Flag |
| Batch AD63095 - General Preparation |        |             |       |             |            |             |        |      |       |      |
| Duplicate (AD63095-DUP1)            | Sou    | rce: 16D036 | 1-01  | Prepared: ( | 04/11/16 A | nalyzed: 04 | /13/16 |      |       |      |
| Total Dissolved Solids              | 592    | 10          | mg/L  |             | 600        |             |        | 1.34 | 15    |      |
| Duplicate (AD63095-DUP2)            | Sou    | rce: 16D053 | 0-10  | Prepared: ( | 04/11/16 A | nalyzed: 04 | /13/16 |      |       |      |
| Total Dissolved Solids              | 716    | 10          | mg/L  |             | 716        |             |        | 0.00 | 15    |      |
| Batch AD63127 - General Preparation |        |             |       |             |            |             |        |      |       |      |
| Blank (AD63127-BLK1)                |        |             |       | Prepared: ( | 04/06/16 A | nalyzed: 04 | /11/16 |      |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0         | mg/L  |             |            |             |        |      |       |      |
| Blank (AD63127-BLK2)                |        |             |       | Prepared: ( | 04/06/16 A | nalyzed: 04 | /11/16 |      |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0         | mg/L  |             |            |             |        |      |       |      |
| LCS (AD63127-BS1)                   |        |             |       | Prepared: ( | 04/05/16 A | nalyzed: 04 | /10/16 |      |       |      |
| Biochemical Oxygen Demand           | 220    | 5.0         | mg/L  | 200         |            | 110         | 84-115 |      |       |      |
| Duplicate (AD63127-DUP1)            | Sou    | rce: 16D034 | 4-02  | Prepared: ( | 04/06/16 A | nalyzed: 04 | /11/16 |      |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0         | mg/L  |             | ND         |             |        |      | 30    |      |
| Batch AD63144 - General Preparation |        |             |       |             |            |             |        |      |       |      |
| Blank (AD63144-BLK1)                |        |             |       | Prepared &  | Analyzed:  | 04/13/16    |        |      |       |      |
| Ammonia as NH3                      | ND     | 0.50        | mg/L  |             |            |             |        |      |       |      |
| LCS (AD63144-BS1)                   |        |             |       | Prepared &  | Analyzed:  | 04/13/16    |        |      |       |      |
| Ammonia as NH3                      | 5.75   | 0.50        | mg/L  | 6.10        |            | 94.2        | 90-110 |      |       |      |



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Reported: 04/20/16 10:35

|                                     |        | Reporting  |       | Spike      | Source    |          | %REC   |      | RPD   |      |
|-------------------------------------|--------|------------|-------|------------|-----------|----------|--------|------|-------|------|
| Analyte(s)                          | Result | Limit      | Units | Level      | Result    | %REC     | Limits | RPD  | Limit | Flag |
| Batch AD63144 - General Preparation |        |            |       |            |           |          |        |      |       |      |
| LCS Dup (AD63144-BSD1)              |        |            |       | Prepared & | Analyzed: | 04/13/16 |        |      |       |      |
| Ammonia as NH3                      | 6.07   | 0.50       | mg/L  | 6.10       |           | 99.5     | 90-110 | 5.40 | 10    |      |
| Matrix Spike (AD63144-MS1)          | Sour   | ce: 16D041 | 9-02  | Prepared & | Analyzed: | 04/13/16 |        |      |       |      |
| Ammonia as NH3                      | 6.07   | 0.50       | mg/L  | 6.10       | ND        | 99.5     | 85-115 |      |       |      |
| Matrix Spike Dup (AD63144-MSD1)     | Sour   | ce: 16D041 | 9-02  | Prepared & | Analyzed: | 04/13/16 |        |      |       |      |
| Ammonia as NH3                      | 5.96   | 0.50       | mg/L  | 6.10       | ND        | 97.7     | 85-115 | 1.76 | 20    |      |
|                                     |        |            |       |            |           |          |        |      |       |      |



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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 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/20/16 10:35

### Anions by EPA Method 300.0 - Quality Control

|                                    |        | Reporting   |       | Spike      | Source    |          | %REC   |      | RPD   |      |
|------------------------------------|--------|-------------|-------|------------|-----------|----------|--------|------|-------|------|
| Analyte(s)                         | Result | Limit       | Units | Level      | Result    | %REC     | Limits | RPD  | Limit | Flag |
| atch AD62985 - General Preparation |        |             |       |            |           |          |        |      |       |      |
| Blank (AD62985-BLK1)               |        |             |       | Prepared & | Analyzed: | 04/06/16 |        |      |       |      |
| Nitrite as NO2                     | ND     | 1.0         | mg/L  |            |           |          |        |      |       |      |
| Nitrate as N                       | ND     | 0.20        | mg/L  |            |           |          |        |      |       |      |
| Nitrate as NO3                     | ND     | 1.0         | mg/L  |            |           |          |        |      |       |      |
| Chloride                           | ND     | 0.50        | mg/L  |            |           |          |        |      |       |      |
| Nitrite as N                       | ND     | 0.20        | mg/L  |            |           |          |        |      |       |      |
| LCS (AD62985-BS1)                  |        |             |       | Prepared & | Analyzed: | 04/06/16 |        |      |       |      |
| Nitrate as NO3                     | 23     | 1.0         | mg/L  | 22.2       |           | 103      | 90-110 |      |       |      |
| Chloride                           | 10.3   | 0.50        | mg/L  | 10.0       |           | 103      | 90-110 |      |       |      |
| Nitrite as N                       | 4.86   | 0.20        | mg/L  | 5.00       |           | 97.2     | 90-110 |      |       |      |
| Nitrate as N                       | 5.18   | 0.20        | mg/L  | 5.00       |           | 104      | 90-110 |      |       |      |
| Nitrite as NO2                     | 16.0   | 1.0         | mg/L  | 16.4       |           | 97.5     | 90-110 |      |       |      |
| Duplicate (AD62985-DUP1)           | Sou    | rce: 16D037 | 3-01  | Prepared & | Analyzed: | 04/07/16 |        |      |       |      |
| Nitrate as NO3                     | 4.1    | 1.0         | mg/L  |            | 4.2       |          |        | 1.36 | 20    |      |
| Nitrite as N                       | ND     | 0.20        | mg/L  |            | ND        |          |        |      | 20    |      |
| Nitrite as NO2                     | ND     | 1.0         | mg/L  |            | ND        |          |        |      | 20    |      |
| Chloride                           | 33.4   | 2.5         | mg/L  |            | 32.4      |          |        | 3.20 | 20    |      |
| Nitrate as N                       | 0.925  | 0.20        | mg/L  |            | 0.937     |          |        | 1.36 | 20    |      |
| Matrix Spike (AD62985-MS1)         | Sou    | rce: 16D037 | 3-01  | Prepared & | Analyzed: | 04/07/16 |        |      |       |      |
| Nitrite as N                       | 5.27   | 1.0         | mg/L  | 5.56       | ND        | 94.8     | 80-120 |      |       |      |
| Chloride                           | 45.0   | 2.5         | mg/L  | 11.1       | 32.4      | 114      | 80-120 |      |       |      |
| Nitrate as NO3                     | 29     | 5.0         | mg/L  | 24.7       | ND        | 101      | 80-120 |      |       |      |
| Nitrate as N                       | 6.53   | 1.0         | mg/L  | 5.56       | ND        | 101      | 80-120 |      |       |      |
| Nitrite as NO2                     | 17.3   | 5.0         | mg/L  | 18.2       | ND        | 95.1     | 80-120 |      |       |      |
| Matrix Spike (AD62985-MS2)         | Sou    | rce: 16D031 | 6-04  | Prepared & | Analyzed: | 04/07/16 |        |      |       |      |
| Chloride                           | 17.0   | 2.5         | mg/L  | 11.1       | 6.13      | 97.6     | 80-120 |      |       |      |
| Nitrite as N                       | 4.97   | 1.0         | mg/L  | 5.56       | ND        | 89.4     | 80-120 |      |       |      |
| Nitrate as N                       | 5.56   | 1.0         | mg/L  | 5.56       | ND        | 100      | 80-120 |      |       |      |
| Nitrite as NO2                     | 16.3   | 5.0         | mg/L  | 18.2       | ND        | 89.7     | 80-120 |      |       |      |
| Nitrate as NO3                     | 25     | 5.0         | mg/L  | 24.7       | ND        | 99.9     | 80-120 |      |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/20/16 10:35

### Anions by EPA Method 300.0 - Quality Control

| Analyte(s)                         | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC          | %REC<br>Limits | RPD   | RPD<br>Limit | Flag |
|------------------------------------|--------|--------------------|-------|----------------|------------------|---------------|----------------|-------|--------------|------|
| atch AD62985 - General Preparation |        |                    |       |                |                  | , , , , , , , |                |       |              |      |
| Matrix Spike Dup (AD62985-MSD1)    | Sour   | ce: 16D037         | 3-01  | Prepared &     | : Analyzed:      | 04/07/16      |                |       |              |      |
| Chloride                           | 45.1   | 2.5                | mg/L  | 11.1           | 32.4             | 115           | 80-120         | 0.234 | 20           |      |
| Nitrate as NO3                     | 29     | 5.0                | mg/L  | 24.7           | ND               | 101           | 80-120         | 0.612 | 20           |      |
| Nitrate as N                       | 6.57   | 1.0                | mg/L  | 5.56           | ND               | 101           | 80-120         | 0.612 | 20           |      |
| Nitrite as NO2                     | 17.4   | 5.0                | mg/L  | 18.2           | ND               | 95.6          | 80-120         | 0.528 | 20           |      |
| Nitrite as N                       | 5.29   | 1.0                | mg/L  | 5.56           | ND               | 95.3          | 80-120         | 0.526 | 20           |      |



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West Bay Sanitary District

500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti

Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/20/16 10:35

### **Notes and Definitions**

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

ND Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

REC Recovery

RPD Relative Percent Difference

Alpha Analytical Laboratories Inc.
www.alpha-labs.com
WATERS, SEDIMENTS, SOLDS

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208 Mason Street, Ukiah, CA 95482
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Central Valley Laboratory 9090 Unioin Park Wy., #113, Elk Grove, CA 95624 916-686-5190 F) 916-686-5192

Chain of Custody Record **Work Order** 

| Alpha Analytical Laboratories Inc.  www.alpha-labs.com 639                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Bay Area Laboratory<br>6398 Dougherty Road, #35, Dublin, CA 94568                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| Company/Name:<br>West Bay Sanitary District                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Project 1D: WQ Monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                                                                                                                          | Sample Notes                                 | ТАТ                   |
| Malling Address: 500 Laurel Street Menio Park, CA 94025 Project Onact & Email (Hardcopy or PDF to):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| join simple of s |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Phosphori<br>C, NO2, I<br>Sicarbona                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | c/ e                                         | # C                   |
| r - Print Name & Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 142   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143   143  | U BOD  O D. 7 - B, C  o D. 1 - B, C  o D. 1 - B, C  o D. 1 - B, C  o D. 2 - B, C  o D. 3 - B, C  o D. 3 - B, C  o D. 4 - B, C  o D. 5 - B, C  o D. 5 - B, C  o D. 5 - B, C  o D. 6 - B, C  o D. 7 - B, C |                                              | 2 wk to the standard) |
| Identification Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Time   Gist   Society   Color   Colo | S x S x X X X X X X X X X X X X X X X X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>1</b> -1-1                                |                       |
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| Relinguished by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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                                                                                                                                          | <b>8</b> ::                                  |                       |
| Relinquished by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Received by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | U/\(\sum_{\subset}/\(\lambda\) 22 (\sup_{\text{clime}} \text{ID}; EDF   Disterment   Time   Travel and Site Time:   Mileage:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EDF to (Email Appropries:<br>Misc. Supplies: |                       |
| Relinquished by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Keceived by.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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                                                                                                                                          |                                              |                       |



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ELAP Certificates 1551, 2728, and 2922

21 April 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

RE: WQ Monitoring

Work Order: 16D0565

Enclosed are the results of analyses for samples received by the laboratory on 04/06/16 21:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Robbie C. Phillips

Jeanette Popli

Project Manager



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/21/16 11:48

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID  | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------|---------------|--------|----------------|----------------|
| Oak Avenue | 16D0565-01    | Water  | 04/06/16 09:00 | 04/06/16 21:45 |



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

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

Reported: 04/21/16 11:48

|                                              | Result        | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method        | Note |
|----------------------------------------------|---------------|-----------------|----------|---------|----------------|-------------------|---------------|------|
| Oak Avenue (16D0565-01)                      |               | Sample Type:    | Water    |         | Sample         | d: 04/06/16 09:00 |               |      |
| Metals by EPA 200 Series Methods             |               |                 |          |         |                |                   |               |      |
| Boron                                        | 0.26 mg/L     | 0.050           | 1        | AD63279 | 04/14/16 14:11 | 04/18/16 19:33    | EPA 200.7     |      |
| Calcium                                      | 35 mg/L       | 1.0             | 1        | AD63279 | 04/14/16 14:11 | 04/18/16 19:33    | EPA 200.7     |      |
| Magnesium                                    | 17 mg/L       | 1.0             | 1        | AD63279 | 04/14/16 14:11 | 04/18/16 19:33    | EPA 200.7     |      |
| Sodium                                       | 70 mg/L       | 1.0             | 1        | AD63279 | 04/14/16 14:11 | 04/18/16 19:33    | EPA 200.7     |      |
| Conventional Chemistry Parameters by APHA    | /EPA Methods  |                 |          |         |                |                   |               |      |
| Ammonia as NH3                               | 46 mg/L       | 0.50            | 1        | AD63329 | 04/18/16 08:13 | 04/18/16 08:45    | SM4500NH3C    |      |
| Bicarbonate                                  | 370 mg/L      | 5.0             | 1        | AD63024 | 04/12/16 12:00 | 04/12/16 15:19    | SM2320B       |      |
| Biochemical Oxygen Demand                    | 340 mg/L      | 5.0             | 1        | AD63127 | 04/06/16 17:30 | 04/11/16 13:00    | SM5210B       |      |
| рН                                           | 7.44 pH Units | 1.68            | 1        | AD63018 | 04/06/16 18:30 | 04/06/16 18:30    | SM4500-H+ B   | T-1  |
| Specific Conductance (EC)                    | 990 umhos/cm  | 20              | 1        | AD63054 | 04/07/16 17:00 | 04/07/16 17:00    | SM2510B       |      |
| <b>Total Dissolved Solids</b>                | 460 mg/L      | 10              | 1        | AD63143 | 04/12/16 09:45 | 04/14/16 09:30    | SM2540C       |      |
| Total Suspended Solids                       | 210 mg/L      | 1.0             | 1        | AD63123 | 04/11/16 13:10 | 04/12/16 15:00    | SM2540D       |      |
| Silica                                       | 20 mg/L       | 2.0             | 2        | AD63052 | 04/08/16 09:45 | 04/08/16 12:00    | SM4500-SiO2 C |      |
| Bicarbonate Alkalinity as CaCO3              | 300 mg/L      | 5.0             | 1        | AD63024 | 04/12/16 12:00 | 04/12/16 15:19    | SM2320B       |      |
| Carbonate Alkalinity as CaCO3                | ND mg/L       | 5.0             | 1        | AD63024 | 04/12/16 12:00 | 04/12/16 15:19    | SM2320B       |      |
| Hydroxide Alkalinity as CaCO3                | ND mg/L       | 5.0             | 1        | AD63024 | 04/12/16 12:00 | 04/12/16 15:19    | SM2320B       |      |
| Total Alkalinity as CaCO3                    | 300 mg/L      | 5.0             | 1        | AD63024 | 04/12/16 12:00 | 04/12/16 15:19    | SM2320B       |      |
| Total Kjeldahl Nitrogen                      | 53 mg/L       | 1.0             | 1        | AD63043 | 04/11/16 06:20 | 04/12/16 10:42    | SM4500-Norg B |      |
| Total Nitrogen                               | 53 mg/L       | 1.0             | 1        | AD63158 | 04/12/16 09:50 | 04/13/16 16:58    | SM4500-N      |      |
| Phosphorus, total                            | 8.3 mg/L      | 2.0             | 5        | AD63138 | 04/12/16 06:35 | 04/12/16 13:50    | SM4500-P E    |      |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters |                 |          |         |                |                   |               |      |
| Sodium Adsorption Ratio-Adj RNa              | 2.85 NA       |                 | 1        | AD63279 | 04/14/16 14:11 | 04/21/16 05:39    | SAR           |      |



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West Bay Sanitary DistrictProject Manager: John Simonetti500 Laurel StreetProject: WQ MonitoringReported:Menlo Park, CA 94025Project Number: Oak Avenue04/21/16 11:48

|                                                       | Result  | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method    | Note |
|-------------------------------------------------------|---------|-----------------|----------|---------|----------------|-------------------|-----------|------|
| Oak Avenue (16D0565-01)<br>Anions by EPA Method 300.0 |         | Sample Type:    | Water    |         | Sample         | d: 04/06/16 09:00 |           |      |
| Chloride                                              | 63 mg/L | 10              | 20       | AD63037 | 04/08/16 00:30 | 04/08/16 00:30    | EPA 300.0 |      |
| Nitrate as N                                          | ND mg/L | 0.20            | 1        | AD63037 | 04/08/16 00:30 | 04/08/16 00:30    | EPA 300.0 |      |
| Nitrate as NO3                                        | ND mg/L | 1.0             | 1        | AD63037 | 04/08/16 00:30 | 04/08/16 00:30    | EPA 300.0 |      |
| Nitrite as N                                          | ND mg/L | 0.20            | 1        | AD63037 | 04/08/16 00:30 | 04/08/16 00:30    | EPA 300.0 |      |
| Nitrite as NO2                                        | ND mg/L | 1.0             | 1        | AD63037 | 04/08/16 00:30 | 04/08/16 00:30    | EPA 300.0 |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/21/16 11:48

### 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 AD63279 - Metals Digest |        |            |       |             |            |             |        |      |       |      |
| Blank (AD63279-BLK1)          |        |            |       | Prepared: ( | 04/14/16 A | nalyzed: 04 | /18/16 |      |       |      |
| Boron                         | ND     | 0.050      | mg/L  |             |            |             |        |      |       |      |
| Calcium                       | ND     | 1.0        | mg/L  |             |            |             |        |      |       |      |
| Magnesium                     | ND     | 1.0        | mg/L  |             |            |             |        |      |       |      |
| Sodium                        | ND     | 1.0        | mg/L  |             |            |             |        |      |       |      |
| LCS (AD63279-BS1)             |        |            |       | Prepared: ( | 04/14/16 A | nalyzed: 04 | /18/16 |      |       |      |
| Boron                         | 0.371  | 0.050      | mg/L  | 0.400       |            | 92.7        | 85-115 |      |       |      |
| Calcium                       | 6.88   | 1.0        | mg/L  | 8.00        |            | 86.0        | 85-115 |      |       |      |
| Magnesium                     | 7.34   | 1.0        | mg/L  | 8.00        |            | 91.7        | 85-115 |      |       |      |
| Sodium                        | 7.58   | 1.0        | mg/L  | 8.00        |            | 94.8        | 85-115 |      |       |      |
| Duplicate (AD63279-DUP1)      | Sour   | ce: 16D053 | 0-10  | Prepared: ( | 04/14/16 A | nalyzed: 04 | /18/16 |      |       |      |
| Boron                         | 0.215  | 0.050      | mg/L  |             | 0.203      |             |        | 5.71 | 20    |      |
| Calcium                       | 31.7   | 1.0        | mg/L  |             | 31.1       |             |        | 2.14 | 20    |      |
| Magnesium                     | 19.9   | 1.0        | mg/L  |             | 18.3       |             |        | 8.15 | 20    |      |
| Sodium                        | 165    | 1.0        | mg/L  |             | 159        |             |        | 3.90 | 20    |      |
| Matrix Spike (AD63279-MS1)    | Sour   | ce: 16D053 | 0-10  | Prepared: ( | 04/14/16 A | nalyzed: 04 | /18/16 |      |       |      |
| Boron                         | 0.556  | 0.050      | mg/L  | 0.400       | 0.203      | 88.2        | 70-130 |      |       |      |
| Calcium                       | 38.3   | 1.0        | mg/L  | 8.00        | 31.1       | 90.0        | 70-130 |      |       |      |
| Magnesium                     | 27.5   | 1.0        | mg/L  | 8.00        | 18.3       | 115         | 70-130 |      |       |      |
| Sodium                        | 165    | 1.0        | mg/L  | 8.00        | 159        | 79.8        | 70-130 |      |       |      |
| Matrix Spike (AD63279-MS2)    | Sour   | ce: 16D056 | 1-01  | Prepared: ( | 04/14/16 A | nalyzed: 04 | /18/16 |      |       |      |
| Boron                         | 0.643  | 0.050      | mg/L  | 0.400       | 0.296      | 86.8        | 70-130 |      |       |      |
| Calcium                       | 8.85   | 1.0        | mg/L  | 8.00        | 1.77       | 88.5        | 70-130 |      |       |      |
| Magnesium                     | 8.74   | 1.0        | mg/L  | 8.00        | 1.07       | 95.9        | 70-130 |      |       |      |
| Sodium                        | 577    | 1.0        | mg/L  | 8.00        | 572        | 66.0        | 70-130 |      |       | QM-  |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/21/16 11:48

### 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 AD63279 - Metals Digest   |        |            |       |             |            |             |        |      |       |       |
| Matrix Spike Dup (AD63279-MSD1) | Sour   | ce: 16D053 | 0-10  | Prepared: ( | 04/14/16 A | nalyzed: 04 | /18/16 |      |       |       |
| Boron                           | 0.539  | 0.050      | mg/L  | 0.400       | 0.203      | 83.8        | 70-130 | 3.18 | 20    |       |
| Calcium                         | 36.4   | 1.0        | mg/L  | 8.00        | 31.1       | 66.9        | 70-130 | 4.96 | 20    | QM-01 |
| Magnesium                       | 26.4   | 1.0        | mg/L  | 8.00        | 18.3       | 101         | 70-130 | 4.20 | 20    |       |
| Sodium                          | 158    | 1.0        | mg/L  | 8.00        | 159        | NR          | 70-130 | 4.45 | 20    | QM-4X |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/21/16 11:48

| Analyte(s)                          | Result | Reporting<br>Limit | Units    | Spike<br>Level | Source<br>Result | %REC                                    | %REC<br>Limits | RPD   | RPD<br>Limit | Flag |
|-------------------------------------|--------|--------------------|----------|----------------|------------------|-----------------------------------------|----------------|-------|--------------|------|
| Batch AD63018 - General Preparation |        |                    |          |                |                  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                |       |              |      |
| •                                   |        |                    |          |                |                  |                                         |                |       |              |      |
| Duplicate (AD63018-DUP1)            |        | rce: 16D056        |          | Prepared &     |                  | 04/06/16                                |                |       |              |      |
| рН                                  | 7.52   | 1.68               | pH Units |                | 7.44             |                                         |                | 1.07  | 20           |      |
| Batch AD63024 - General Preparation |        |                    |          |                |                  |                                         |                |       |              |      |
| Duplicate (AD63024-DUP1)            | Sou    | rce: 16D041        | 6-01     | Prepared &     | Analyzed         | 04/12/16                                |                |       |              |      |
| Bicarbonate                         | 80.8   | 5.0                | mg/L     |                | 80.5             |                                         |                | 0.372 | 20           |      |
| Bicarbonate Alkalinity as CaCO3     | 66.0   | 5.0                | mg/L     |                | 66.0             |                                         |                | 0.00  | 20           |      |
| Total Alkalinity as CaCO3           | 66.0   | 5.0                | mg/L     |                | 66.0             |                                         |                | 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           |      |
| Batch AD63043 - General Prep        |        |                    |          |                |                  |                                         |                |       |              |      |
| LCS (AD63043-BS1)                   |        |                    |          | Prepared: (    | 04/08/16 A       | nalyzed: 04                             | 1/11/16        |       |              |      |
| Total Kjeldahl Nitrogen             | 3.13   | 1.0                | mg/L     | 2.98           |                  | 105                                     | 80-120         |       |              |      |
| LCS Dup (AD63043-BSD1)              |        |                    |          | Prepared: (    | 04/08/16 A       | nalyzed: 04                             | 1/11/16        |       |              |      |
| Total Kjeldahl Nitrogen             | 3.04   | 1.0                | mg/L     | 2.98           |                  | 102                                     | 80-120         | 2.98  | 20           |      |
| Matrix Spike (AD63043-MS1)          | Sou    | rce: 16D046        | 8-01     | Prepared: (    | 04/08/16 A       | nalyzed: 04                             | 1/11/16        |       |              |      |
| Total Kjeldahl Nitrogen             | 3.23   | 1.0                | mg/L     | 2.98           | ND               | 89.5                                    | 75-125         |       |              |      |
| Matrix Spike Dup (AD63043-MSD1)     | Sou    | rce: 16D046        | 8-01     | Prepared: (    | 04/08/16 A       | nalyzed: 04                             | 1/11/16        |       |              |      |
| Total Kjeldahl Nitrogen             | 3.23   | 1.0                | mg/L     | 2.98           | ND               | 89.5                                    | 75-125         | 0.00  | 20           |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/21/16 11:48

|                                     |        | Reporting   |          | Spike       | Source      |             | %REC   |       | RPD   |      |
|-------------------------------------|--------|-------------|----------|-------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units    | Level       | Result      | %REC        | Limits | RPD   | Limit | Flag |
| Batch AD63052 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Blank (AD63052-BLK1)                |        |             |          | Prepared &  | Analyzed:   | 04/08/16    |        |       |       |      |
| Silica                              | ND     | 1.0         | mg/L     |             |             |             |        |       |       |      |
| LCS (AD63052-BS1)                   |        |             |          | Prepared &  | Analyzed:   | 04/08/16    |        |       |       |      |
| Silica                              | 10.3   | 1.0         | mg/L     | 10.0        |             | 103         | 85-115 |       |       |      |
| LCS Dup (AD63052-BSD1)              |        |             |          | Prepared &  | Analyzed:   | 04/08/16    |        |       |       |      |
| Silica                              | 10.5   | 1.0         | mg/L     | 10.0        |             | 105         | 85-115 | 2.48  | 20    |      |
| Duplicate (AD63052-DUP1)            | Sou    | rce: 16D036 | 1-01     | Prepared &  | Analyzed:   | 04/08/16    |        |       |       |      |
| Silica                              | 20.8   | 2.0         | mg/L     |             | 21.3        |             |        | 2.46  | 20    |      |
| Matrix Spike (AD63052-MS1)          | Sou    | rce: 16D036 | 1-01     | Prepared &  | Analyzed:   | 04/08/16    |        |       |       |      |
| Silica                              | 30.2   | 4.0         | mg/L     | 10.0        | 21.3        | 89.4        | 80-120 |       |       |      |
| Matrix Spike Dup (AD63052-MSD1)     | Sou    | rce: 16D036 | 1-01     | Prepared &  | Analyzed:   | 04/08/16    |        |       |       |      |
| Silica                              | 29.9   | 4.0         | mg/L     | 10.0        | 21.3        | 86.4        | 80-120 | 0.982 | 20    |      |
| Batch AD63054 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Duplicate (AD63054-DUP1)            | Sou    | rce: 16D046 | 4-01     | Prepared &  | Analyzed:   | 04/07/16    |        |       |       |      |
| Specific Conductance (EC)           | 373    | 20          | umhos/cm |             | 373         |             |        | 0.00  | 5     |      |
| Batch AD63123 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Blank (AD63123-BLK1)                |        |             |          | Prepared: ( | 04/11/16 Aı | nalyzed: 04 | /12/16 |       |       |      |
| Total Suspended Solids              | ND     | 1.0         | mg/L     |             |             |             |        |       |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/21/16 11:48

|                                     |        | Reporting   |       | Spike       | Source      |             | %REC   |      | RPD   |      |
|-------------------------------------|--------|-------------|-------|-------------|-------------|-------------|--------|------|-------|------|
| Analyte(s)                          | Result | Limit       | Units | Level       | Result      | %REC        | Limits | RPD  | Limit | Flag |
| Batch AD63123 - General Preparation |        |             |       |             |             |             |        |      |       |      |
| Duplicate (AD63123-DUP1)            | Sou    | rce: 16D048 | 7-01  | Prepared: ( | 04/11/16 A  | nalyzed: 04 | /12/16 |      |       |      |
| Total Suspended Solids              | 144    | 1.0         | mg/L  |             | 149         |             |        | 2.92 | 30    |      |
| Duplicate (AD63123-DUP2)            | Sou    | rce: 16D048 | 8-02  | Prepared: ( | 04/11/16 A  | nalyzed: 04 | /12/16 |      |       |      |
| Total Suspended Solids              | 114    | 1.0         | mg/L  |             | 102         |             |        | 10.4 | 30    |      |
| Batch AD63127 - General Preparation |        |             |       |             |             |             |        |      |       |      |
| Blank (AD63127-BLK1)                |        |             |       | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /11/16 |      |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0         | mg/L  |             |             |             |        |      |       |      |
| Blank (AD63127-BLK2)                |        |             |       | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /11/16 |      |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0         | mg/L  |             |             |             |        |      |       |      |
| LCS (AD63127-BS1)                   |        |             |       | Prepared: ( | 04/05/16 A  | nalyzed: 04 | /10/16 |      |       |      |
| Biochemical Oxygen Demand           | 220    | 5.0         | mg/L  | 200         |             | 110         | 84-115 |      |       |      |
| Duplicate (AD63127-DUP1)            | Sou    | rce: 16D034 | 4-02  | Prepared: ( | 04/06/16 A  | nalyzed: 04 | /11/16 |      |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0         | mg/L  |             | ND          |             |        |      | 30    |      |
| Batch AD63138 - General Prep        |        |             |       |             |             |             |        |      |       |      |
| Blank (AD63138-BLK1)                |        |             |       | Prepared &  | ኔ Analyzed: | 04/12/16    |        |      |       |      |
| Phosphorus, total                   | ND     | 0.040       | mg/L  |             |             |             |        |      |       |      |
| LCS (AD63138-BS1)                   |        |             |       | Prepared &  | t Analyzed: | 04/12/16    |        |      |       |      |
| Phosphorus, total                   | 0.194  | 0.040       | mg/L  | 0.200       |             | 97.1        | 85-115 |      |       |      |



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

West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/21/16 11:48

|                                     |        | Reporting   |       | Spike       | Source      |             | %REC   |       | RPD   |      |
|-------------------------------------|--------|-------------|-------|-------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units | Level       | Result      | %REC        | Limits | RPD   | Limit | Flag |
| Batch AD63138 - General Prep        |        |             |       |             |             |             |        |       |       |      |
| Duplicate (AD63138-DUP1)            | Sou    | rce: 16D054 | 4-01  | Prepared &  | አ Analyzed: | 04/12/16    |        |       |       |      |
| Phosphorus, total                   | 0.0579 | 0.040       | mg/L  |             | 0.0553      |             |        | 4.68  | 20    |      |
| Matrix Spike (AD63138-MS1)          | Sou    | rce: 16D054 | 4-01  | Prepared &  | λ Analyzed: | 04/12/16    |        |       |       |      |
| Phosphorus, total                   | 0.238  | 0.040       | mg/L  | 0.200       | 0.0553      | 91.3        | 70-130 |       |       |      |
| Matrix Spike (AD63138-MS2)          | Sou    | rce: 16D067 | 5-01  | Prepared &  | k Analyzed: | 04/12/16    |        |       |       |      |
| Phosphorus, total                   | 5.61   | 0.80        | mg/L  | 2.00        | 4.02        | 79.4        | 70-130 |       |       |      |
| Matrix Spike Dup (AD63138-MSD1)     | Sou    | rce: 16D054 | 4-01  | Prepared &  | ኔ Analyzed: | 04/12/16    |        |       |       |      |
| Phosphorus, total                   | 0.239  | 0.040       | mg/L  | 0.200       | 0.0553      | 92.0        | 70-130 | 0.553 | 20    |      |
| Batch AD63143 - General Preparation |        |             |       |             |             |             |        |       |       |      |
| Blank (AD63143-BLK1)                |        |             |       | Prepared: ( | 04/12/16 A  | nalyzed: 04 | /14/16 |       |       |      |
| Total Dissolved Solids              | ND     | 10          | mg/L  |             |             |             |        |       |       |      |
| Duplicate (AD63143-DUP1)            | Sou    | rce: 16D046 | 8-02  | Prepared: ( | 04/12/16 A  | nalyzed: 04 | /14/16 |       |       |      |
| Total Dissolved Solids              | 948    | 10          | mg/L  |             | 988         |             |        | 4.13  | 15    |      |
| Duplicate (AD63143-DUP2)            | Sou    | rce: 16D046 | 8-04  | Prepared: ( | 04/12/16 A  | nalyzed: 04 | /14/16 |       |       |      |
| Total Dissolved Solids              | 1020   | 10          | mg/L  |             | 1180        |             |        | 14.6  | 15    |      |
| Batch AD63329 - General Preparation |        |             |       |             |             |             |        |       |       |      |
| Blank (AD63329-BLK1)                |        |             |       | Prepared &  | አ Analyzed: | 04/18/16    |        |       |       |      |
| Ammonia as NH3                      | ND     | 0.50        | mg/L  |             |             |             |        |       |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/21/16 11:48

| Analyte(s)                          | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD  | RPD<br>Limit | Flag |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|------|--------------|------|
| Batch AD63329 - General Preparation |        |                    |       |                |                  |          |                |      |              |      |
| Blank (AD63329-BLK2)                |        |                    |       | Prepared &     | ኔ Analyzed:      | 04/18/16 |                |      |              |      |
| Ammonia as NH3                      | ND     | 0.50               | mg/L  |                |                  |          |                |      |              |      |
| LCS (AD63329-BS1)                   |        |                    |       | Prepared &     | t Analyzed:      | 04/18/16 |                |      |              |      |
| Ammonia as NH3                      | 5.96   | 0.50               | mg/L  | 6.10           |                  | 97.7     | 90-110         |      |              |      |
| LCS Dup (AD63329-BSD1)              |        |                    |       | Prepared &     | ኔ Analyzed:      | 04/18/16 |                |      |              |      |
| Ammonia as NH3                      | 6.07   | 0.50               | mg/L  | 6.10           |                  | 99.5     | 90-110         | 1.76 | 10           |      |
| Matrix Spike (AD63329-MS1)          | Sou    | urce: 16D063       | 2-02  | Prepared &     | k Analyzed:      | 04/19/16 |                |      |              |      |
| Ammonia as NH3                      | 5.75   | 0.50               | mg/L  | 6.10           | ND               | 94.2     | 85-115         |      |              |      |
| Matrix Spike Dup (AD63329-MSD1)     | Sou    | urce: 16D063       | 2-02  | Prepared &     | t Analyzed:      | 04/19/16 |                |      |              |      |
| Ammonia as NH3                      | 5.96   | 0.50               | mg/L  | 6.10           | ND               | 97.7     | 85-115         | 3.64 | 20           |      |



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

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

Reported: 04/21/16 11:48

### 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 AD63037 - General Preparation |        |             |       |            |             |          |        |       |       |      |
| Blank (AD63037-BLK1)                |        |             |       | Prepared & | : Analyzed: | 04/07/16 |        |       |       |      |
| Chloride                            | ND     | 0.50        | mg/L  |            |             |          |        |       |       |      |
| Nitrite as NO2                      | ND     | 1.0         | 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  |            |             |          |        |       |       |      |
| LCS (AD63037-BS1)                   |        |             |       | Prepared & | : Analyzed: | 04/07/16 |        |       |       |      |
| Chloride                            | 10.3   | 0.50        | mg/L  | 10.0       |             | 103      | 90-110 |       |       |      |
| Nitrite as NO2                      | 15.8   | 1.0         | mg/L  | 16.4       |             | 96.5     | 90-110 |       |       |      |
| Nitrate as NO3                      | 23     | 1.0         | mg/L  | 22.2       |             | 104      | 90-110 |       |       |      |
| Nitrate as N                        | 5.19   | 0.20        | mg/L  | 5.00       |             | 104      | 90-110 |       |       |      |
| Nitrite as N                        | 4.81   | 0.20        | mg/L  | 5.00       |             | 96.2     | 90-110 |       |       |      |
| Duplicate (AD63037-DUP1)            | Sou    | rce: 16D046 | 8-05  | Prepared & | Analyzed:   | 04/10/16 |        |       |       |      |
| Nitrate as NO3                      | ND     | 1.0         | mg/L  |            | ND          |          |        |       | 20    |      |
| Chloride                            | 4.38   | 0.50        | mg/L  |            | 4.34        |          |        | 0.802 | 20    |      |
| Nitrate as N                        | ND     | 0.20        | mg/L  |            | ND          |          |        |       | 20    |      |
| Nitrite as NO2                      | ND     | 1.0         | mg/L  |            | ND          |          |        |       | 20    |      |
| Nitrite as N                        | ND     | 0.20        | mg/L  |            | ND          |          |        |       | 20    |      |
| Matrix Spike (AD63037-MS1)          | Sou    | rce: 16D046 | 8-05  | Prepared & | Analyzed:   | 04/10/16 |        |       |       |      |
| Chloride                            | 15.9   | 0.50        | mg/L  | 11.1       | 4.34        | 104      | 80-120 |       |       |      |
| Nitrate as NO3                      | 26     | 1.0         | mg/L  | 24.7       | ND          | 106      | 80-120 |       |       |      |
| Nitrate as N                        | 5.89   | 0.20        | mg/L  | 5.56       | ND          | 106      | 80-120 |       |       |      |
| Nitrite as N                        | 5.95   | 0.20        | mg/L  | 5.56       | ND          | 107      | 80-120 |       |       |      |
| Nitrite as NO2                      | 19.6   | 1.0         | mg/L  | 18.2       | ND          | 108      | 80-120 |       |       |      |
| Matrix Spike (AD63037-MS2)          | Sou    | rce: 16D051 | 0-02  | Prepared & | Analyzed:   | 04/10/16 |        |       |       |      |
| Chloride                            | 14.9   | 0.50        | mg/L  | 11.1       | 3.03        | 106      | 80-120 |       |       |      |
| Nitrate as NO3                      | 27     | 1.0         | mg/L  | 24.7       | 1.0         | 107      | 80-120 |       |       |      |
| Nitrate as N                        | 6.20   | 0.20        | mg/L  | 5.56       | 0.228       | 107      | 80-120 |       |       |      |
| Nitrite as NO2                      | 19.3   | 1.0         | mg/L  | 18.2       | ND          | 106      | 80-120 |       |       |      |
| Nitrite as N                        | 5.85   | 0.20        | mg/L  | 5.56       | ND          | 105      | 80-120 |       |       |      |



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

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

Reported: 04/21/16 11:48

### 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 AD63037 - General Preparation |        |            |       |            |           |          |        |       |       |      |
| Matrix Spike Dup (AD63037-MSD1)     | Sour   | ce: 16D046 | 8-05  | Prepared & | Analyzed: | 04/10/16 |        |       |       |      |
| Chloride                            | 16.2   | 0.50       | mg/L  | 11.1       | 4.34      | 106      | 80-120 | 1.34  | 20    |      |
| Nitrate as NO3                      | 26     | 1.0        | mg/L  | 24.7       | ND        | 107      | 80-120 | 1.32  | 20    |      |
| Nitrite as NO2                      | 19.8   | 1.0        | mg/L  | 18.2       | ND        | 108      | 80-120 | 0.910 | 20    |      |
| Nitrite as N                        | 6.01   | 0.20       | mg/L  | 5.56       | ND        | 108      | 80-120 | 0.910 | 20    |      |
| Nitrate as N                        | 5.97   | 0.20       | mg/L  | 5.56       | ND        | 107      | 80-120 | 1.32  | 20    |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/21/16 11:48

### **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.

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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# Work Order Chain of Custody Record

Lab No. 1600565 Page of

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

| West Bay Sanitary District                                                                                 |              | Project    | iD;      |          |                 |              |          |          |        |              | _        |                    |          |                  | Sig        | natun               | e belo         | ow au                  | thoriz                  | es wo                    | rk un    | der te   | ıms s     | tated on    | rever     | se side                          | <del></del>                            |
|------------------------------------------------------------------------------------------------------------|--------------|------------|----------|----------|-----------------|--------------|----------|----------|--------|--------------|----------|--------------------|----------|------------------|------------|---------------------|----------------|------------------------|-------------------------|--------------------------|----------|----------|-----------|-------------|-----------|----------------------------------|----------------------------------------|
| Tyvest day Sanitary District                                                                               |              | İ          |          | W        | Q N             | /loi         | nite     | orii     | ng     |              |          |                    |          |                  |            |                     |                |                        |                         |                          |          |          |           |             | Т         |                                  | <del></del>                            |
| Mailing Address:<br>500 Laurel Street<br>Menio Park, CA 94025                                              |              | Project i  |          |          | )<br>Dak        | _            |          | _        |        |              |          | $\dashv$           | $\vdash$ | Τ-               | 1          | 7                   | A              | naly                   | sis I                   | Requ                     | Jest     | <u> </u> | Τ-        | ТТ          |           | Sample Notes                     | 7AT                                    |
| Project Contact & Email (Hardcopy or PDF<br>John Simonetti<br>jsimonetti@westbaysanitary.org<br>Phone/Fax; | = to):       | PO#        |          |          | _               |              |          |          |        |              |          |                    |          |                  | <u>a</u>   | Sn                  |                | NO3                    | te                      | lation                   |          |          |           |             |           | 5.5°C                            | 24 hr 48 hr Lab Approvel Required 1 wk |
| 650-321-0384                                                                                               |              | Site Con   | _        | <u> </u> | ر<br>م          | <b>-CV</b>   | e        | 7:       |        |              |          |                    |          |                  | Ca, Mg, Na | osphor              |                | NO2.                   | arbona                  | Calcu                    |          |          |           |             |           | C/1                              | Lab<br>Approval<br>Required            |
| Field Sampler - Print Name & Signature                                                                     | San          | nple       | L        | ont      | aine            | P            | res      | erva     | itive  | Ma           | atri     | x                  |          |                  | S          | F                   | ) ge           | L<br>U                 | <u>iii</u>              | sted                     |          |          |           |             |           |                                  | 1 wk                                   |
| Sample<br>Identification                                                                                   |              | ction      | Oml Vial | oly      | Sleeve          | ither<br>ICL | NO3      | 2504     | ther   | Water        | oil      | ther               | aoa na   | на па            | 200.7 - B, | Ammonia, Phosphorus | Total Nitrogen | Chloride, EC, NO2, NO3 | Alkalinity, Bicarbonate | SAR Adjusted Calculation | Silica   | TDS      | TSS       |             |           |                                  | · 2 wk<br>(standard)                   |
| Oak Avenue                                                                                                 |              | ന്ദര       | 141      | 4        | S               | 7            | 1        |          |        | ≥<br>×       | Ś        | $\Box$             |          | _                | χ<br>N     | x<br>x              | x              | x                      | <del></del> ✓           | ν<br>x                   |          | ×        | ×         | - -         | -         | ļ                                | • 0                                    |
|                                                                                                            | <u> </u>     |            |          | Ţ        | П               | Ţ            |          |          | 1      |              |          | 1                  |          |                  |            |                     |                | _                      |                         | _                        | _        | <u> </u> |           |             | $\dashv$  |                                  |                                        |
|                                                                                                            | <del> </del> |            | $\vdash$ | ╁        | ${\mathbb H}$   | - -          | $\vdash$ | -        | 4      | 1            | _        | 4                  | }        |                  | _          |                     |                |                        |                         |                          |          |          |           |             | ]         |                                  |                                        |
|                                                                                                            | <del> </del> |            | ╁        | +        | ╁               | ╁            | $\vdash$ | $\dashv$ | +      | ╂┤           | $\dashv$ | +                  |          |                  |            | $\vdash$            |                |                        |                         |                          | _        |          | _         |             | _         |                                  |                                        |
|                                                                                                            |              |            |          |          |                 | †            | H        | +        | +      | 11           | $\dashv$ | $\dagger$          | $\dashv$ |                  | -          | -                   |                |                        | $\vdash$                |                          | _        |          |           |             | -         | -                                |                                        |
|                                                                                                            |              |            |          |          |                 | 1            |          |          |        |              |          | 十                  | $\dashv$ | ٦                |            |                     |                |                        |                         | $\dashv$                 | $\dashv$ | -        | $\dashv$  | +-          | $\exists$ | }                                |                                        |
|                                                                                                            |              |            | Ц.       | ╄        | $\sqcup$        | $\perp$      |          |          |        |              |          | $oldsymbol{\perp}$ |          |                  |            |                     |                |                        |                         |                          | $\dashv$ | _        |           | +-          | 1         | -                                | <del></del>                            |
|                                                                                                            | <del> </del> |            | -        | ╁-       | Ш               | ╀            | Ц        | 4        | $\bot$ | Ц            | 1        | 1                  | $\dashv$ |                  |            |                     |                | -                      |                         |                          |          |          |           |             | 1         | -                                |                                        |
|                                                                                                            | <del> </del> |            | +        |          | $\vdash \vdash$ | ╀            | $\vdash$ | +        | - -    | H            | 4        | 4                  | $\dashv$ | _                |            | -                   | _              |                        | _                       | _                        | $\dashv$ | $\Box$   | $\Box$    |             | ]         | T                                |                                        |
|                                                                                                            |              |            |          | +        | Н               | ╀            | Н        | +        | +      | H            |          | +                  | $\dashv$ | -                | _          | _                   | 긕              | _                      |                         |                          | _        | _        | _         |             | 4         |                                  |                                        |
|                                                                                                            |              |            | +        | +        | -               | ╁            | Н        | +        | ╁      | H            | +        | ╬                  | $\dashv$ | $\dashv$         | $\dashv$   |                     |                | $\dashv$               |                         | -                        | 4        | -        | _         | <del></del> | 4         |                                  |                                        |
|                                                                                                            | 1            |            | +        | T        | +               | ╂╌           | H        | +        | ╁╴     | ╂┼           | +        | 十                  | +        |                  | $\dashv$   | $\dashv$            | $\dashv$       |                        |                         | -+                       | _        |          | _         |             | -         | L                                |                                        |
| Relinquished by:                                                                                           |              | Received   | by:      | P        | 1               |              |          |          |        |              |          | Date<br>4/         | 1/6      |                  | Time       | <br>247             | ,              | CDI                    | —Τ<br>                  | <br>Vrite                | On       | ED       | LL<br>TRe | port?       | <u> </u>  | Yes (                            | No O                                   |
| Relinduished by                                                                                            |              | Received I | by:      | Ž        |                 |              |          |          |        |              |          | Date               |          | 1                | Time       | reo                 | $\dashv$       |                        | le S                    |                          |          |          |           |             |           |                                  |                                        |
| Relinquished by:                                                                                           | l            | Receiver   | iy:      |          | 2               |              |          |          |        | <del>-</del> |          | Date<br>식 /        | <u> </u> | . <del> </del> 1 | Time       | ls or               | <del>-</del> † | CĄ (                   | Geo                     | traci                    | er E     | EDF      | Rep       | ort         |           | Yes                              | No O                                   |
| Relinquished by:                                                                                           |              | Received b | y:       | A        | 2               |              | <u> </u> | •        |        | _            |          | ate ,              |          | <del>-  </del> i | Fime 2.1   | : બ                 | ゴ              | Sam                    |                         | g.Cc                     |          |          |           | Code:       |           |                                  |                                        |
| Relinquished by:                                                                                           |              | Received b | y:       |          |                 | _            | _        |          |        |              |          | ate                | _( '     | _                | ime        |                     | L              |                        | l and                   |                          | Tim      | e: M     | lilear    |             |           | all Address):<br>Misc. Supplies: |                                        |
|                                                                                                            |              |            |          |          |                 |              |          |          |        |              |          |                    | _        |                  |            |                     |                |                        | •                       |                          |          |          |           | ,           | Į         | moo, coppies,                    |                                        |
|                                                                                                            | _            |            |          |          |                 |              |          |          |        | _            | <u> </u> | _                  |          |                  | _          |                     |                |                        |                         |                          |          | L_       |           |             |           |                                  |                                        |



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ELAP Certificates 1551, 2728, and 2922

27 April 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

**RE: WQ Monitoring** 

Work Order: 16D0794

Enclosed are the results of analyses for samples received by the laboratory on 04/11/16 21:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Robbie C. Phillips

Jeanette Popli

Project Manager



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 15:52

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID  | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------|---------------|--------|----------------|----------------|
| Oak Avenue | 16D0794-01    | Water  | 04/08/16 09:00 | 04/11/16 21:15 |



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Reported: 04/27/16 15:52

|                                             | Result        | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method        | Note |
|---------------------------------------------|---------------|-----------------|----------|---------|----------------|-------------------|---------------|------|
| Oak Avenue (16D0794-01)                     |               | Sample Type:    | Water    |         | Sample         | d: 04/08/16 09:00 |               |      |
| Metals by EPA 200 Series Methods            |               |                 |          |         |                |                   |               |      |
| Boron                                       | 0.29 mg/L     | 0.050           | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 13:33    | EPA 200.7     |      |
| Calcium                                     | 40 mg/L       | 1.0             | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 13:33    | EPA 200.7     |      |
| Magnesium                                   | 17 mg/L       | 1.0             | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 13:33    | EPA 200.7     |      |
| Sodium                                      | 91 mg/L       | 1.0             | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 13:33    | EPA 200.7     |      |
| Conventional Chemistry Parameters by APHA   | VEPA Methods  |                 |          |         |                |                   |               |      |
| Ammonia as NH3                              | 63 mg/L       | 0.50            | 1        | AD63386 | 04/19/16 08:43 | 04/19/16 10:50    | SM4500NH3C    |      |
| Bicarbonate                                 | 390 mg/L      | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |      |
| Biochemical Oxygen Demand                   | 270 mg/L      | 5.0             | 1        | AD63227 | 04/08/16 17:30 | 04/13/16 13:00    | SM5210B       |      |
| рН                                          | 7.46 pH Units | 1.68            | 1        | AD63164 | 04/11/16 18:00 | 04/11/16 18:00    | SM4500-H+ B   | T-14 |
| Specific Conductance (EC)                   | 1100 umhos/cm | 20              | 1        | AD63192 | 04/12/16 17:00 | 04/12/16 17:00    | SM2510B       |      |
| <b>Total Dissolved Solids</b>               | 470 mg/L      | 10              | 1        | AD63243 | 04/14/16 09:45 | 04/18/16 12:00    | SM2540C       |      |
| <b>Total Suspended Solids</b>               | 560 mg/L      | 1.0             | 1        | AD63171 | 04/12/16 14:00 | 04/13/16 11:00    | SM2540D       |      |
| Silica                                      | 20 mg/L       | 2.0             | 2        | AD63291 | 04/20/16 11:30 | 04/20/16 16:00    | SM4500-SiO2 C |      |
| Bicarbonate Alkalinity as CaCO3             | 320 mg/L      | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |      |
| Carbonate Alkalinity as CaCO3               | ND mg/L       | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |      |
| Hydroxide Alkalinity as CaCO3               | ND mg/L       | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |      |
| Total Alkalinity as CaCO3                   | 320 mg/L      | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |      |
| Total Kjeldahl Nitrogen                     | 73 mg/L       | 1.0             | 1        | AD63090 | 04/13/16 06:08 | 04/14/16 10:04    | SM4500-Norg B |      |
| Total Nitrogen                              | 73 mg/L       | 1.0             | 1        | AD63202 | 04/13/16 10:05 | 04/21/16 16:16    | SM4500-N      |      |
| Phosphorus, total                           | 12 mg/L       | 2.0             | 5        | AD63138 | 04/12/16 06:35 | 04/12/16 13:50    | SM4500-P E    |      |
| Miscellaneous Physical/Conventional Chemist | ry Parameters |                 |          |         |                |                   |               |      |
| Sodium Adsorption Ratio-Adj RNa             | 3.69 NA       |                 | 1        | AD63405 | 04/19/16 14:08 | 04/27/16 11:21    | SAR           |      |



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West Bay Sanitary DistrictProject Manager: John Simonetti500 Laurel StreetProject: WQ MonitoringReported:Menlo Park, CA 94025Project Number: Oak Avenue04/27/16 15:52

|                                                       | Result   | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method    | Note |
|-------------------------------------------------------|----------|-----------------|----------|---------|----------------|-------------------|-----------|------|
| Oak Avenue (16D0794-01)<br>Anions by EPA Method 300.0 |          | Sample Type:    | Water    |         | Sample         | d: 04/08/16 09:00 |           | _    |
| Chloride                                              | 110 mg/L | 12              | 25       | AD63154 | 04/12/16 12:04 | 04/12/16 12:04    | EPA 300.0 |      |
| Nitrate as N                                          | ND mg/L  | 0.20            | 1        | AD63154 | 04/12/16 12:20 | 04/12/16 12:20    | EPA 300.0 | T-17 |
| Nitrate as NO3                                        | ND mg/L  | 1.0             | 1        | AD63154 | 04/12/16 12:20 | 04/12/16 12:20    | EPA 300.0 | T-17 |
| Nitrite as N                                          | ND mg/L  | 0.20            | 1        | AD63154 | 04/12/16 12:20 | 04/12/16 12:20    | EPA 300.0 | T-17 |
| Nitrite as NO2                                        | ND mg/L  | 1.0             | 1        | AD63154 | 04/12/16 12:20 | 04/12/16 12:20    | EPA 300.0 | T-17 |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 15:52

### 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 AD63405 - Metals Digest |        |            |       |             |             |             |        |       |       |       |
| Blank (AD63405-BLK1)          |        |            |       | Prepared: ( | 04/19/16 A  | nalyzed: 04 | /21/16 |       |       |       |
| Boron                         | ND     | 0.050      | mg/L  |             |             |             |        |       |       |       |
| Calcium                       | ND     | 1.0        | mg/L  |             |             |             |        |       |       |       |
| Magnesium                     | ND     | 1.0        | mg/L  |             |             |             |        |       |       |       |
| Sodium                        | ND     | 1.0        | mg/L  |             |             |             |        |       |       |       |
| LCS (AD63405-BS1)             |        |            |       | Prepared: ( | 04/19/16 A  | nalyzed: 04 | /21/16 |       |       |       |
| Boron                         | 0.410  | 0.050      | mg/L  | 0.400       |             | 103         | 85-115 |       |       |       |
| Calcium                       | 7.25   | 1.0        | mg/L  | 8.00        |             | 90.6        | 85-115 |       |       |       |
| Magnesium                     | 7.19   | 1.0        | mg/L  | 8.00        |             | 89.9        | 85-115 |       |       |       |
| Sodium                        | 7.51   | 1.0        | mg/L  | 8.00        |             | 93.9        | 85-115 |       |       |       |
| Duplicate (AD63405-DUP1)      | Sour   | ce: 16D089 | 9-02  | Prepared: ( | 04/19/16 A  | nalyzed: 04 | /21/16 |       |       |       |
| Boron                         | 0.213  | 0.050      | mg/L  |             | 0.204       |             |        | 4.15  | 20    |       |
| Calcium                       | 24.2   | 1.0        | mg/L  |             | 24.4        |             |        | 0.580 | 20    |       |
| Magnesium                     | 1.44   | 1.0        | mg/L  |             | 1.39        |             |        | 3.51  | 20    |       |
| Sodium                        | 329    | 1.0        | mg/L  |             | 346         |             |        | 5.13  | 20    |       |
| Matrix Spike (AD63405-MS1)    | Sour   | ce: 16D089 | 9-02  | Prepared: ( | 04/19/16 A  | nalyzed: 04 | /21/16 |       |       |       |
| Boron                         | 0.606  | 0.050      | mg/L  | 0.400       | 0.204       | 100         | 70-130 |       |       |       |
| Calcium                       | 32.1   | 1.0        | mg/L  | 8.00        | 24.4        | 96.6        | 70-130 |       |       |       |
| Magnesium                     | 8.94   | 1.0        | mg/L  | 8.00        | 1.39        | 94.4        | 70-130 |       |       |       |
| Sodium                        | 336    | 1.0        | mg/L  | 8.00        | 346         | NR          | 70-130 |       |       | QM-4X |
| Matrix Spike (AD63405-MS2)    | Sour   | ce: 16D079 | 1-02  | Prepared: ( | 04/19/16 Aı | nalyzed: 04 | /21/16 |       |       |       |
| Boron                         | 0.403  | 0.050      | mg/L  | 0.400       | ND          | 101         | 70-130 |       |       |       |
| Calcium                       | 8.04   | 1.0        | mg/L  | 8.00        | ND          | 95.9        | 70-130 |       |       |       |
| Magnesium                     | 7.72   | 1.0        | mg/L  | 8.00        | ND          | 95.6        | 70-130 |       |       |       |
| Sodium                        | 7.99   | 1.0        | mg/L  | 8.00        | ND          | 98.0        | 70-130 |       |       |       |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 15:52

### 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 AD63405 - Metals Digest   |        |            |       |             |            |             |        |      |       |       |
| Matrix Spike Dup (AD63405-MSD1) | Sour   | ce: 16D089 | 9-02  | Prepared: ( | 04/19/16 A | nalyzed: 04 | /21/16 |      |       |       |
| Boron                           | 0.570  | 0.050      | mg/L  | 0.400       | 0.204      | 91.6        | 70-130 | 6.01 | 20    |       |
| Calcium                         | 32.5   | 1.0        | mg/L  | 8.00        | 24.4       | 102         | 70-130 | 1.28 | 20    |       |
| Magnesium                       | 8.54   | 1.0        | mg/L  | 8.00        | 1.39       | 89.4        | 70-130 | 4.55 | 20    |       |
| Sodium                          | 347    | 1.0        | mg/L  | 8.00        | 346        | 3.12        | 70-130 | 3.10 | 20    | QM-4X |



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West Bay Sanitary District Projection Solution Street

Menlo Park, CA 94025 Projection Projection Solution Projection Pro

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

Reported: 04/27/16 15:52

|                                     |        | Reporting  |       | Spike       | Source      |             | %REC   |      | RPD   |      |
|-------------------------------------|--------|------------|-------|-------------|-------------|-------------|--------|------|-------|------|
| Analyte(s)                          | Result | Limit      | Units | Level       | Result      | %REC        | Limits | RPD  | Limit | Flag |
| Batch AD63090 - General Prep        |        |            |       |             |             |             |        |      |       |      |
| LCS (AD63090-BS1)                   |        |            |       | Prepared: ( | 04/11/16 Aı | nalyzed: 04 | /12/16 |      |       |      |
| Total Kjeldahl Nitrogen             | 3.04   | 1.0        | mg/L  | 2.98        |             | 102         | 80-120 |      |       |      |
| LCS Dup (AD63090-BSD1)              |        |            |       | Prepared: ( | 04/11/16 Aı | nalyzed: 04 | /12/16 |      |       |      |
| Total Kjeldahl Nitrogen             | 3.04   | 1.0        | mg/L  | 2.98        |             | 102         | 80-120 | 0.00 | 20    |      |
| Matrix Spike (AD63090-MS1)          | Sour   | ce: 16D063 | 2-01  | Prepared &  | t Analyzed: | 04/12/16    |        |      |       |      |
| Total Kjeldahl Nitrogen             | 3.04   | 1.0        | mg/L  | 2.98        | ND          | 102         | 75-125 |      |       |      |
| Matrix Spike Dup (AD63090-MSD1)     | Sour   | ce: 16D063 | 2-01  | Prepared &  | ն Analyzed: | 04/12/16    |        |      |       |      |
| Total Kjeldahl Nitrogen             | 3.04   | 1.0        | mg/L  | 2.98        | ND          | 102         | 75-125 | 0.00 | 20    |      |
| Batch AD63111 - General Preparation |        |            |       |             |             |             |        |      |       |      |
| Duplicate (AD63111-DUP1)            | Sour   | ce: 16D086 | 5-01  | Prepared &  | አ Analyzed: | 04/13/16    |        |      |       |      |
| 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    |      |
| 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    |      |
| Hydroxide Alkalinity as CaCO3       | ND     | 5.0        | mg/L  |             | ND          |             |        |      | 20    |      |
| Batch AD63138 - General Prep        |        |            |       |             |             |             |        |      |       |      |
| Blank (AD63138-BLK1)                |        |            |       | Prepared &  | አ Analyzed: | 04/12/16    |        |      |       |      |
| Phosphorus, total                   | ND     | 0.040      | mg/L  |             |             |             |        |      |       |      |
| LCS (AD63138-BS1)                   |        |            |       | Prepared &  | ኔ Analyzed: | 04/12/16    |        |      |       |      |
| Phosphorus, total                   | 0.194  | 0.040      | mg/L  | 0.200       |             | 97.1        | 85-115 |      |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 15:52

|                                     |        | Reporting   |          | Spike       | Source      |             | %REC   |       | RPD   |      |
|-------------------------------------|--------|-------------|----------|-------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units    | Level       | Result      | %REC        | Limits | RPD   | Limit | Flag |
| Batch AD63138 - General Prep        |        |             |          |             |             |             |        |       |       |      |
| Duplicate (AD63138-DUP1)            | Sou    | rce: 16D054 | 4-01     | Prepared &  | አ Analyzed: | 04/12/16    |        |       |       |      |
| Phosphorus, total                   | 0.0579 | 0.040       | mg/L     |             | 0.0553      |             |        | 4.68  | 20    |      |
| Matrix Spike (AD63138-MS1)          | Sou    | rce: 16D054 | 4-01     | Prepared &  | ኔ Analyzed: | 04/12/16    |        |       |       |      |
| Phosphorus, total                   | 0.238  | 0.040       | mg/L     | 0.200       | 0.0553      | 91.3        | 70-130 |       |       |      |
| Matrix Spike (AD63138-MS2)          | Sou    | rce: 16D067 | 5-01     | Prepared &  | k Analyzed: | 04/12/16    |        |       |       |      |
| Phosphorus, total                   | 5.61   | 0.80        | mg/L     | 2.00        | 4.02        | 79.4        | 70-130 |       |       |      |
| Matrix Spike Dup (AD63138-MSD1)     | Sou    | rce: 16D054 | 4-01     | Prepared &  | k Analyzed: | 04/12/16    |        |       |       |      |
| Phosphorus, total                   | 0.239  | 0.040       | mg/L     | 0.200       | 0.0553      | 92.0        | 70-130 | 0.553 | 20    |      |
| Batch AD63164 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Duplicate (AD63164-DUP1)            | Sou    | rce: 16D079 | 4-01     | Prepared &  | k Analyzed: | 04/11/16    |        |       |       |      |
| рН                                  | 7.43   | 1.68        | pH Units |             | 7.46        |             |        | 0.403 | 20    |      |
| Batch AD63171 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Blank (AD63171-BLK1)                |        |             |          | Prepared: ( | 04/12/16 A  | nalyzed: 04 | /13/16 |       |       |      |
| Total Suspended Solids              | ND     | 1.0         | mg/L     |             |             |             |        |       |       |      |
| Duplicate (AD63171-DUP1)            | Sou    | rce: 16D066 | 2-01     | Prepared: ( | 04/12/16 Aı | nalyzed: 04 | /13/16 |       |       |      |
| Total Suspended Solids              | 506    | 1.0         | mg/L     |             | 502         |             |        | 0.794 | 30    |      |
| Duplicate (AD63171-DUP2)            | Sou    | rce: 16D067 | 1-01     | Prepared: ( | 04/12/16 A  | nalyzed: 04 | /13/16 |       |       |      |
| Total Suspended Solids              | 395    | 1.0         | mg/L     | -           | 398         | -           |        | 0.839 | 30    |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 15:52

|                                     |        | Reporting    |          | Spike      | Source      |             | %REC   |       | RPD   | El   |
|-------------------------------------|--------|--------------|----------|------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit        | Units    | Level      | Result      | %REC        | Limits | RPD   | Limit | Flag |
| Batch AD63192 - General Preparation |        |              |          |            |             |             |        |       |       |      |
| Duplicate (AD63192-DUP1)            | So     | urce: 16D097 | 7-01     | Prepared & | ረ Analyzed: | 04/12/16    |        |       |       |      |
| Specific Conductance (EC)           | 153    | 20           | umhos/cm |            | 152         |             |        | 0.656 | 5     |      |
| Batch AD63227 - General Preparation |        |              |          |            |             |             |        |       |       |      |
| Blank (AD63227-BLK1)                |        |              |          | Prepared:  | 04/08/16 A  | nalyzed: 04 | /13/16 |       |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0          | mg/L     |            |             |             |        |       |       |      |
| Blank (AD63227-BLK2)                |        |              |          | Prepared:  | 04/08/16 A  | nalyzed: 04 | /13/16 |       |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0          | mg/L     |            |             |             |        |       |       |      |
| LCS (AD63227-BS1)                   |        |              |          | Prepared:  | 04/05/16 A  | nalyzed: 04 | /10/16 |       |       |      |
| Biochemical Oxygen Demand           | 220    | 5.0          | mg/L     | 200        |             | 110         | 84-115 |       |       |      |
| Duplicate (AD63227-DUP1)            | So     | urce: 16D065 | 4-01     | Prepared:  | 04/08/16 A  | nalyzed: 04 | /13/16 |       |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0          | mg/L     |            | ND          |             |        |       | 30    |      |
| Batch AD63243 - General Preparation |        |              |          |            |             |             |        |       |       |      |
| Blank (AD63243-BLK1)                |        |              |          | Prepared:  | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Dissolved Solids              | ND     | 10           | mg/L     |            |             |             |        |       |       |      |
| Duplicate (AD63243-DUP1)            | So     | urce: 16D091 | 2-01     | Prepared:  | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Dissolved Solids              | 780    | 10           | mg/L     |            | 840         |             |        | 7.41  | 15    |      |
| Duplicate (AD63243-DUP2)            | So     | urce: 16D103 | 5-01     | Prepared:  | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Dissolved Solids              | 640    | 10           | mg/L     |            | 600         |             |        | 6.45  | 15    |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 15:52

|                                     |                    | Reporting    |                               | Spike                         | Source      |          | %REC   |       | RPD   |      |
|-------------------------------------|--------------------|--------------|-------------------------------|-------------------------------|-------------|----------|--------|-------|-------|------|
| Analyte(s)                          | Result             | Limit        | Units                         | Level                         | Result      | %REC     | Limits | RPD   | Limit | Flag |
| Batch AD63291 - General Preparation |                    |              |                               |                               |             |          |        |       |       |      |
| Blank (AD63291-BLK1)                |                    |              |                               | Prepared &                    | ረ Analyzed: | 04/20/16 |        |       |       |      |
| Silica                              | ND                 | 1.0          | mg/L                          |                               |             |          |        |       |       |      |
| LCS (AD63291-BS1)                   |                    |              |                               | Prepared &                    | k Analyzed: | 04/20/16 |        |       |       |      |
| Silica                              | 10.6               | 1.0          | mg/L                          | 10.0                          |             | 106      | 85-115 |       |       |      |
| LCS Dup (AD63291-BSD1)              |                    |              |                               | Prepared &                    | k Analyzed: | 04/20/16 |        |       |       |      |
| Silica                              | 11.0               | 1.0          | mg/L                          | 10.0                          |             | 110      | 85-115 | 4.17  | 20    |      |
| Duplicate (AD63291-DUP1)            | Sou                | ırce: 16D143 | 1-01                          | Prepared &                    | ኔ Analyzed: | 04/20/16 |        |       |       |      |
| Silica                              | 15.8               | 2.0          | mg/L                          |                               | 15.7        |          |        | 0.518 | 20    |      |
| Matrix Spike (AD63291-MS1)          | Source: 16D1431-01 |              | Prepared & Analyzed: 04/20/16 |                               |             |          |        |       |       |      |
| Silica                              | 33.2               | 2.0          | mg/L                          | 20.0                          | 15.7        | 87.1     | 80-120 |       |       |      |
| Matrix Spike Dup (AD63291-MSD1)     | Sou                | ırce: 16D143 | 1-01                          | Prepared & Analyzed: 04/20/16 |             |          |        |       |       |      |
| Silica                              | 34.7               | 2.0          | mg/L                          | 20.0                          | 15.7        | 94.9     | 80-120 | 4.58  | 20    |      |
| Batch AD63386 - General Preparation |                    |              |                               |                               |             |          |        |       |       |      |
| Blank (AD63386-BLK1)                |                    |              |                               | Prepared & Analyzed: 04/19/16 |             |          |        |       |       |      |
| Ammonia as NH3                      | ND                 | 0.50         | mg/L                          |                               |             |          |        |       |       |      |
| Blank (AD63386-BLK2)                |                    |              |                               | Prepared 8                    | k Analyzed: | 04/19/16 |        |       |       |      |
| Ammonia as NH3                      | ND                 | 0.50         | mg/L                          |                               |             |          |        |       |       |      |
| LCS (AD63386-BS1)                   |                    |              |                               | Prepared &                    | k Analyzed: | 04/19/16 |        |       |       |      |
| Ammonia as NH3                      | 5.85               | 0.50         | mg/L                          | 6.10                          |             | 96.0     | 90-110 |       |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 15:52

|                                     |                    | Reporting |             | Spike                                 | Source      |          | %REC   |      | RPD   |      |
|-------------------------------------|--------------------|-----------|-------------|---------------------------------------|-------------|----------|--------|------|-------|------|
| Analyte(s)                          | Result             | Limit     | Units       | Level                                 | Result      | %REC     | Limits | RPD  | Limit | Flag |
| Batch AD63386 - General Preparation |                    |           |             |                                       |             |          |        |      |       |      |
| LCS Dup (AD63386-BSD1)              |                    |           |             | Prepared &                            | Analyzed:   | 04/19/16 |        |      |       |      |
| Ammonia as NH3                      | 5.96               | 0.50      | mg/L        | 6.10                                  |             | 97.7     | 90-110 | 1.81 | 10    |      |
| Matrix Spike (AD63386-MS1)          | Source: 16D0958-02 |           |             | Prepared: 04/19/16 Analyzed: 04/20/16 |             |          |        |      |       |      |
| Ammonia as NH3                      | 11.9               | 0.50      | mg/L        | 12.2                                  | ND          | 97.7     | 85-115 |      |       |      |
| Matrix Spike Dup (AD63386-MSD1)     | Source: 16D0958-02 |           | Prepared: ( | 04/19/16 A                            | nalyzed: 04 | 1/20/16  |        |      |       |      |
| Ammonia as NH3                      | 11.5               | 0.50      | mg/L        | 12.2                                  | ND          | 94.2     | 85-115 | 3.64 | 20    |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 15:52

### 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 |
| atch AD63154 - General Preparation |        |            |       |                               |             |          |        |       |       |      |
| Blank (AD63154-BLK1)               |        |            |       | Prepared &                    | : Analyzed: | 04/12/16 |        |       |       |      |
| Chloride                           | ND     | 0.50       | 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  |                               |             |          |        |       |       |      |
| Nitrate as NO3                     | ND     | 1.0        | mg/L  |                               |             |          |        |       |       |      |
| LCS (AD63154-BS1)                  |        |            |       | Prepared &                    | : Analyzed: | 04/12/16 |        |       |       |      |
| Chloride                           | 11.4   | 0.50       | mg/L  | 11.1                          |             | 102      | 90-110 |       |       |      |
| Nitrite as N                       | 5.27   | 0.20       | mg/L  | 5.56                          |             | 94.8     | 90-110 |       |       |      |
| Nitrate as N                       | 5.71   | 0.20       | mg/L  | 5.56                          |             | 103      | 90-110 |       |       |      |
| Nitrate as NO3                     | 25     | 1.0        | mg/L  | 24.7                          |             | 103      | 90-110 |       |       |      |
| Nitrite as NO2                     | 17.3   | 1.0        | mg/L  | 18.2                          |             | 95.1     | 90-110 |       |       |      |
| Duplicate (AD63154-DUP1)           | Sour   | ce: 16D085 | 7-01  | Prepared &                    | Analyzed:   | 04/12/16 |        |       |       |      |
| Nitrate as NO3                     | ND     | 1.0        | mg/L  |                               | ND          |          |        | 14.5  | 20    |      |
| Chloride                           | 4.42   | 0.50       | mg/L  |                               | 4.44        |          |        | 0.361 | 20    |      |
| Nitrate as N                       | ND     | 0.20       | mg/L  |                               | ND          |          |        | 14.5  | 20    |      |
| Nitrite as NO2                     | ND     | 1.0        | mg/L  |                               | ND          |          |        |       | 20    |      |
| Nitrite as N                       | ND     | 0.20       | mg/L  |                               | ND          |          |        |       | 20    |      |
| Matrix Spike (AD63154-MS1)         | Sour   | ce: 16D085 | 7-01  | Prepared & Analyzed: 04/12/16 |             |          |        |       |       |      |
| Nitrate as N                       | 5.96   | 0.20       | mg/L  | 5.56                          | ND          | 106      | 80-120 |       |       |      |
| Chloride                           | 15.9   | 0.50       | mg/L  | 11.1                          | 4.44        | 103      | 80-120 |       |       |      |
| Nitrate as NO3                     | 26     | 1.0        | mg/L  | 24.7                          | ND          | 106      | 80-120 |       |       |      |
| Nitrite as N                       | 5.45   | 0.20       | mg/L  | 5.56                          | ND          | 97.1     | 80-120 |       |       |      |
| Nitrite as NO2                     | 17.9   | 1.0        | mg/L  | 18.2                          | ND          | 97.4     | 80-120 |       |       |      |
| Matrix Spike (AD63154-MS2)         | Sour   | ce: 16D087 | 5-01  | Prepared &                    | : Analyzed: | 04/12/16 |        |       |       |      |
| Nitrite as N                       | 4.64   | 2.0        | mg/L  | 5.56                          | ND          | 83.6     | 80-120 | -     |       |      |
| Nitrite as NO2                     | 15.3   | 10         | mg/L  | 18.2                          | ND          | 83.9     | 80-120 |       |       |      |
| Nitrate as N                       | 5.87   | 2.0        | mg/L  | 5.56                          | ND          | 86.4     | 80-120 |       |       |      |
| Nitrate as NO3                     | 26     | 10         | mg/L  | 24.7                          | ND          | 86.2     | 80-120 |       |       |      |
| Chloride                           | 91.3   | 5.0        | mg/L  | 11.1                          | 80.5        | 96.9     | 80-120 |       |       |      |



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

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

Reported: 04/27/16 15:52

### Anions by EPA Method 300.0 - Quality Control

| Analyte(s)                          | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD   | RPD<br>Limit | Flag |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|-------|--------------|------|
| Batch AD63154 - General Preparation |        |                    |       |                |                  |          |                |       |              |      |
| Matrix Spike Dup (AD63154-MSD1)     | Sour   | ce: 16D085         | 7-01  | Prepared &     | Analyzed:        | 04/12/16 |                |       |              |      |
| Nitrate as N                        | 6.00   | 0.20               | mg/L  | 5.56           | ND               | 107      | 80-120         | 0.705 | 20           |      |
| Chloride                            | 16.0   | 0.50               | mg/L  | 11.1           | 4.44             | 104      | 80-120         | 0.216 | 20           |      |
| Nitrate as NO3                      | 27     | 1.0                | mg/L  | 24.7           | ND               | 107      | 80-120         | 0.705 | 20           |      |
| Nitrite as N                        | 5.47   | 0.20               | mg/L  | 5.56           | ND               | 97.5     | 80-120         | 0.387 | 20           |      |
| Nitrite as NO2                      | 18.0   | 1.0                | mg/L  | 18.2           | ND               | 97.8     | 80-120         | 0.387 | 20           |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 15:52

### **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.

T-17 Sample analyzed outside of recommended hold time. Client notified.

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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## **Work Order Chain of Custody Record**

Lab No. 1600794 Page of

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

| Company/Name:                                                                                          | Project ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Signatur                                | Signature below authorizes work under terms stated on reverse side. |                                                  |                                |  |  |  |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------|--------------------------------------------------|--------------------------------|--|--|--|
| West Bay Sanitary District                                                                             | WQ Monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                         | Sample Notes TAT                                                    |                                                  |                                |  |  |  |
| Malling Address:<br>500 Laurel Street<br>Mento Park, CA 94025                                          | Project No: Oak Avenue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         | Analysis R                                                          |                                                  | 24 hr                          |  |  |  |
| Project Contact & Email (Hardcopy or PDF to): John Simonetti jsimonetti@westbaysanitary.org Phone/Fax: | PO# Site Contact:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Na                                      | ogen<br>EC, NO2, NO3<br>Bicarbonate                                 | Calculation                                      | Tab Approval Reduired For Rush |  |  |  |
| 1-50-321-0384                                                                                          | John Snovet:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Ca, Mg, Na<br>Phosphorus                | gen<br>EC, NO2, NC<br>Bicarbonate                                   |                                                  | Required 1 Wk                  |  |  |  |
| Field Sampler - Print Name & Signature Sal                                                             | Container Preservative Matrix lection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | والممال                                 | Total Nitrogen<br>Chloride, EC,<br>Alkalinity, Bica                 | Adjusted                                         | 2 wk                           |  |  |  |
| Sample   Date                                                                                          | Amily | DU pH<br>200.7 - B,<br>Ammonia.         | Total Nitro<br>Chloride, Alkalinity,                                | SAR /<br>Silica<br>TDS<br>TSS                    | (standard)                     |  |  |  |
| Oak Avenue                                                                                             | 0 0900 4 1 1 1 2 x x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | x x x                                   | x x x                                                               | x x x x                                          |                                |  |  |  |
|                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |                                                                     |                                                  |                                |  |  |  |
|                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | +++                                     | +                                                                   | <del>                                     </del> |                                |  |  |  |
|                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |                                                                     |                                                  |                                |  |  |  |
|                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |                                                                     |                                                  |                                |  |  |  |
|                                                                                                        | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ++-                                     | +++                                                                 |                                                  |                                |  |  |  |
|                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |                                                                     |                                                  |                                |  |  |  |
|                                                                                                        | <del>                                     </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <del> -</del>  - -                      |                                                                     |                                                  |                                |  |  |  |
| Relinquished by                                                                                        | Received by: Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Time                                    |                                                                     |                                                  |                                |  |  |  |
| Refinquished by:                                                                                       | Received by: Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1/6 Time 120                            |                                                                     | Write On EDT Report? System Number:              | Yes No                         |  |  |  |
| Relinquished by:                                                                                       | Received by: Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8 F72                                   |                                                                     | , l                                              |                                |  |  |  |
| Relinquished by:                                                                                       | Received by: Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | /\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |                                                                     | tracker EDF Reporting<br>Og Company Log Code:    | Yes No                         |  |  |  |
| P                                                                                                      | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11 211 Time                             | (2 Globall                                                          | D: EDF to                                        | (Email Address):               |  |  |  |
| Relinquished by:                                                                                       | Received by: Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Tane                                    | Travel an                                                           | nd Site Time: Mileage:                           | Misc. Supplies:                |  |  |  |



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ELAP Certificates 1551, 2728, and 2922

27 April 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

RE: WQ Monitoring

Work Order: 16D0889

Enclosed are the results of analyses for samples received by the laboratory on  $04/11/16\ 21:15$ . If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Robbie C. Phillips

Jeanette Popli

Project Manager



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 16:11

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID  | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------|---------------|--------|----------------|----------------|
| Oak Avenue | 16D0889-01    | Water  | 04/09/16 09:00 | 04/11/16 21:15 |



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|                                              | Result        | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method        | Note     |
|----------------------------------------------|---------------|-----------------|----------|---------|----------------|-------------------|---------------|----------|
| Oak Avenue (16D0889-01)                      |               | Sample Type     | : Water  |         | Sample         | d: 04/09/16 09:00 |               |          |
| Metals by EPA 200 Series Methods             |               |                 |          |         |                |                   |               |          |
| Boron                                        | 0.32 mg/L     | 0.050           | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 13:58    | EPA 200.7     |          |
| Calcium                                      | 43 mg/L       | 1.0             | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 13:58    | EPA 200.7     |          |
| Magnesium                                    | 21 mg/L       | 1.0             | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 13:58    | EPA 200.7     |          |
| Sodium                                       | 68 mg/L       | 1.0             | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 13:58    | EPA 200.7     |          |
| Conventional Chemistry Parameters by APHA    | /EPA Methods  |                 |          |         |                |                   |               |          |
| Ammonia as NH3                               | 53 mg/L       | 0.50            | 1        | AD63386 | 04/19/16 08:43 | 04/19/16 11:12    | SM4500NH3C    |          |
| Bicarbonate                                  | 380 mg/L      | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |          |
| Biochemical Oxygen Demand                    | 460 mg/L      | 5.0             | 1        | AD63375 | 04/13/16 06:00 | 04/18/16 12:00    | SM5210B       | T-1, T-1 |
| рН                                           | 7.59 pH Units | 1.68            | 1        | AD63164 | 04/11/16 18:00 | 04/11/16 18:00    | SM4500-H+ B   | T-1      |
| Specific Conductance (EC)                    | 1000 umhos/cm | 20              | 1        | AD63192 | 04/12/16 17:00 | 04/12/16 17:00    | SM2510B       |          |
| Total Dissolved Solids                       | 400 mg/L      | 10              | 1        | AD63243 | 04/14/16 09:45 | 04/18/16 12:00    | SM2540C       |          |
| Total Suspended Solids                       | 260 mg/L      | 1.0             | 1        | AD63254 | 04/14/16 15:00 | 04/18/16 10:00    | SM2540D       |          |
| Silica                                       | 21 mg/L       | 2.0             | 2        | AD63291 | 04/20/16 11:30 | 04/20/16 16:00    | SM4500-SiO2 C |          |
| Bicarbonate Alkalinity as CaCO3              | 310 mg/L      | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |          |
| Carbonate Alkalinity as CaCO3                | ND mg/L       | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |          |
| Hydroxide Alkalinity as CaCO3                | ND mg/L       | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |          |
| Total Alkalinity as CaCO3                    | 310 mg/L      | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |          |
| Total Kjeldahl Nitrogen                      | 71 mg/L       | 1.0             | 1        | AD63176 | 04/18/16 14:25 | 04/20/16 13:20    | SM4500-Norg B |          |
| Total Nitrogen                               | 71 mg/L       | 1.0             | 1        | AD63202 | 04/13/16 10:05 | 04/21/16 16:16    | SM4500-N      |          |
| Phosphorus, total                            | 9.1 mg/L      | 2.0             | 5        | AD63470 | 04/21/16 08:30 | 04/21/16 13:58    | SM4500-P E    |          |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters |                 |          |         |                |                   |               |          |
| Sodium Adsorption Ratio-Adj RNa              | 2.51 NA       |                 | 1        | AD63405 | 04/19/16 14:08 | 04/27/16 11:22    | SAR           |          |



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West Bay Sanitary DistrictProject Manager: John Simonetti500 Laurel StreetProject: WQ MonitoringReported:Menlo Park, CA 94025Project Number: Oak Avenue04/27/16 16:11

|                                                    | Result  | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method    | Note |
|----------------------------------------------------|---------|-----------------|----------|---------|----------------|-------------------|-----------|------|
| Oak Avenue (16D0889-01) Anions by EPA Method 300.0 |         | Sample Type:    | Water    |         | Sample         | d: 04/09/16 09:00 |           |      |
| Chloride                                           | 66 mg/L | 12              | 25       | AD63154 | 04/12/16 12:52 | 04/12/16 12:52    | EPA 300.0 |      |
| Nitrate as N                                       | ND mg/L | 0.20            | 1        | AD63154 | 04/12/16 12:52 | 04/12/16 12:52    | EPA 300.0 | T-17 |
| Nitrate as NO3                                     | ND mg/L | 1.0             | 1        | AD63154 | 04/12/16 12:52 | 04/12/16 12:52    | EPA 300.0 | T-17 |
| Nitrite as N                                       | ND mg/L | 0.20            | 1        | AD63154 | 04/12/16 12:52 | 04/12/16 12:52    | EPA 300.0 | T-17 |
| Nitrite as NO2                                     | ND mg/L | 1.0             | 1        | AD63154 | 04/12/16 12:52 | 04/12/16 12:52    | EPA 300.0 | T-17 |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 16:11

## 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 AD63405 - Metals Digest |                                |            |       |             |            |             |         |       |       |       |
| Blank (AD63405-BLK1)          |                                |            |       | Prepared: ( | 04/19/16 A | nalyzed: 04 | -/21/16 |       |       |       |
| Boron                         | ND                             | 0.050      | mg/L  |             |            |             |         |       |       |       |
| Calcium                       | ND                             | 1.0        | mg/L  |             |            |             |         |       |       |       |
| Magnesium                     | ND                             | 1.0        | mg/L  |             |            |             |         |       |       |       |
| Sodium                        | ND                             | 1.0        | mg/L  |             |            |             |         |       |       |       |
| LCS (AD63405-BS1)             |                                |            |       | Prepared: ( | 04/19/16 A | nalyzed: 04 | /21/16  |       |       |       |
| Boron                         | 0.410                          | 0.050      | mg/L  | 0.400       |            | 103         | 85-115  |       |       |       |
| Calcium                       | 7.25                           | 1.0        | mg/L  | 8.00        |            | 90.6        | 85-115  |       |       |       |
| Magnesium                     | 7.19                           | 1.0        | mg/L  | 8.00        |            | 89.9        | 85-115  |       |       |       |
| Sodium                        | 7.51 1.0 mg/L 8.00 93.9 85-115 |            |       |             |            |             |         |       |       |       |
| Duplicate (AD63405-DUP1)      | Sour                           | ce: 16D089 | 9-02  | Prepared: ( | 04/19/16 A | nalyzed: 04 | /21/16  |       |       |       |
| Boron                         | 0.213                          | 0.050      | mg/L  |             | 0.204      |             |         | 4.15  | 20    |       |
| Calcium                       | 24.2                           | 1.0        | mg/L  |             | 24.4       |             |         | 0.580 | 20    |       |
| Magnesium                     | 1.44                           | 1.0        | mg/L  |             | 1.39       |             |         | 3.51  | 20    |       |
| Sodium                        | 329                            | 1.0        | mg/L  |             | 346        |             |         | 5.13  | 20    |       |
| Matrix Spike (AD63405-MS1)    | Sour                           | ce: 16D089 | 9-02  | Prepared: ( | 04/19/16 A | nalyzed: 04 | /21/16  |       |       |       |
| Boron                         | 0.606                          | 0.050      | mg/L  | 0.400       | 0.204      | 100         | 70-130  |       |       |       |
| Calcium                       | 32.1                           | 1.0        | mg/L  | 8.00        | 24.4       | 96.6        | 70-130  |       |       |       |
| Magnesium                     | 8.94                           | 1.0        | mg/L  | 8.00        | 1.39       | 94.4        | 70-130  |       |       |       |
| Sodium                        | 336                            | 1.0        | mg/L  | 8.00        | 346        | NR          | 70-130  |       |       | QM-4X |
| Matrix Spike (AD63405-MS2)    | Sour                           | ce: 16D079 | 1-02  | Prepared: ( | 04/19/16 A | nalyzed: 04 | /21/16  |       |       |       |
| Boron                         | 0.403                          | 0.050      | mg/L  | 0.400       | ND         | 101         | 70-130  |       |       |       |
| Calcium                       | 8.04                           | 1.0        | mg/L  | 8.00        | ND         | 95.9        | 70-130  |       |       |       |
| Magnesium                     | 7.72                           | 1.0        | mg/L  | 8.00        | ND         | 95.6        | 70-130  |       |       |       |
| Sodium                        | 7.99                           | 1.0        | mg/L  | 8.00        | ND         | 98.0        | 70-130  |       |       |       |



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

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

Reported: 04/27/16 16:11

## Metals by EPA 200 Series Methods - Quality Control

|                                 |              | Reporting  |       | Spike       | Source     |             | %REC   |      | RPD   | El    |
|---------------------------------|--------------|------------|-------|-------------|------------|-------------|--------|------|-------|-------|
| Analyte(s)                      | Result       | Limit      | Units | Level       | Result     | %REC        | Limits | RPD  | Limit | Flag  |
| Batch AD63405 - Metals Digest   |              |            |       |             |            |             |        |      |       |       |
| Matrix Spike Dup (AD63405-MSD1) | Sour         | ce: 16D089 | 9-02  | Prepared: ( | 04/19/16 A | nalyzed: 04 | /21/16 |      |       |       |
| Boron                           | 0.570        | 0.050      | mg/L  | 0.400       | 0.204      | 91.6        | 70-130 | 6.01 | 20    |       |
| Calcium                         | 32.5         | 1.0        | mg/L  | 8.00        | 24.4       | 102         | 70-130 | 1.28 | 20    |       |
| Magnesium                       | 8.54         | 1.0        | mg/L  | 8.00        | 1.39       | 89.4        | 70-130 | 4.55 | 20    |       |
| Sodium                          | 347 1.0 mg/l |            | mg/L  | 8.00        | 346        | 3.12        | 70-130 | 3.10 | 20    | QM-4X |
|                                 |              |            |       |             |            |             |        |      |       |       |



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| A 1. ()                             | P 1:                             | Reporting   | ** ·     | Spike       | Source      | 0/DEC       | %REC   | DDD   | RPD   | Elec |
|-------------------------------------|----------------------------------|-------------|----------|-------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result                           | Limit       | Units    | Level       | Result      | %REC        | Limits | RPD   | Limit | Flag |
| Batch AD63111 - General Preparation |                                  |             |          |             |             |             |        |       |       |      |
| Duplicate (AD63111-DUP1)            | Sou                              | rce: 16D086 | 5-01     | Prepared &  | Analyzed:   | 04/13/16    |        |       |       |      |
| Bicarbonate                         | 26.8                             | 5.0         | mg/L     |             | 26.8        |             |        | 0.00  | 20    |      |
| Bicarbonate Alkalinity as CaCO3     | 22.0                             | 5.0         | mg/L     |             | 22.0        |             |        | 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    |      |
| Total Alkalinity as CaCO3           | 22.0                             | 5.0         | mg/L     |             | 22.0        |             |        | 0.00  | 20    |      |
| Batch AD63164 - General Preparation |                                  |             |          |             |             |             |        |       |       |      |
| Duplicate (AD63164-DUP1)            | Sou                              | rce: 16D079 | 4-01     | Prepared &  | Analyzed:   | 04/11/16    |        |       |       |      |
| pH                                  | 7.43                             | 1.68        | pH Units |             | 7.46        |             |        | 0.403 | 20    |      |
| Batch AD63176 - General Prep        |                                  |             |          |             |             |             |        |       |       |      |
| LCS (AD63176-BS1)                   |                                  |             |          | Prepared: ( | 04/13/16 A  | nalyzed: 04 | /14/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95                             | 1.0         | mg/L     | 2.98        |             | 99.0        | 80-120 |       |       |      |
| LCS Dup (AD63176-BSD1)              |                                  |             |          | Prepared: ( | 04/13/16 A  | nalyzed: 04 | /14/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95                             | 1.0         | mg/L     | 2.98        |             | 99.0        | 80-120 | 0.00  | 20    |      |
| Matrix Spike (AD63176-MS1)          | Source: 16D0900-01 Pre           |             |          |             | Analyzed:   | 04/14/16    |        |       |       |      |
| Total Kjeldahl Nitrogen             | 82.7                             | 1.0         | mg/L     | 22.6        | 55.3        | 121         | 75-125 |       |       |      |
| Matrix Spike Dup (AD63176-MSD1)     | <b>Source: 16D0900-01</b> Prepar |             |          |             | z Analyzed: | 04/14/16    |        |       |       |      |
| Total Kjeldahl Nitrogen             | 82.7                             | 1.0         | mg/L     | 22.6        | 55.3        | 121         | 75-125 | 0.00  | 20    |      |



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Reported: 04/27/16 16:11

|                                     |        | Reporting   |          | Spike       | Source      |             | %REC   |       | RPD   |      |
|-------------------------------------|--------|-------------|----------|-------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units    | Level       | Result      | %REC        | Limits | RPD   | Limit | Flag |
| Batch AD63192 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Duplicate (AD63192-DUP1)            | Sou    | rce: 16D097 | 7-01     | Prepared &  | k Analyzed: | 04/12/16    |        |       |       |      |
| Specific Conductance (EC)           | 153    | 20          | umhos/cm |             | 152         |             |        | 0.656 | 5     |      |
| Batch AD63243 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Blank (AD63243-BLK1)                |        |             |          | Prepared: ( | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Dissolved Solids              | ND     | 10          | mg/L     |             |             |             |        |       |       |      |
| Duplicate (AD63243-DUP1)            | Sou    | rce: 16D091 | 2-01     | Prepared: ( | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Dissolved Solids              | 780    | 10          | mg/L     |             | 840         |             |        | 7.41  | 15    |      |
| Duplicate (AD63243-DUP2)            | Sou    | rce: 16D103 | 5-01     | Prepared: ( | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Dissolved Solids              | 640    | 10          | mg/L     |             | 600         |             |        | 6.45  | 15    |      |
| Batch AD63254 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Blank (AD63254-BLK1)                |        |             |          | Prepared: ( | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Suspended Solids              | ND     | 1.0         | mg/L     |             |             |             |        |       |       |      |
| Duplicate (AD63254-DUP1)            | Sou    | rce: 16D088 | 9-01     | Prepared: ( | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Suspended Solids              | 230    | 1.0         | mg/L     |             | 264         |             |        | 13.8  | 30    |      |
| Duplicate (AD63254-DUP2)            | Sou    | rce: 16D089 | 2-01     | Prepared: ( | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Suspended Solids              | 228    | 1.0         | mg/L     |             | 218         |             |        | 4.48  | 30    |      |
| Batch AD63291 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Blank (AD63291-BLK1)                |        |             |          | Prepared &  | አ Analyzed: | 04/20/16    |        |       |       |      |
| Silica                              | ND     | 1.0         | mg/L     |             |             |             |        |       |       |      |



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Reported: 04/27/16 16:11

| ·                                   |        | Reporting   |       | Spike       | Source      |             | %REC    | ·     | RPD   |      |
|-------------------------------------|--------|-------------|-------|-------------|-------------|-------------|---------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units | Level       | Result      | %REC        | Limits  | RPD   | Limit | Flag |
| Batch AD63291 - General Preparation |        |             |       |             |             |             |         |       |       |      |
| LCS (AD63291-BS1)                   |        |             |       | Prepared &  | Analyzed:   | 04/20/16    |         |       |       |      |
| Silica                              | 10.6   | 1.0         | mg/L  | 10.0        |             | 106         | 85-115  |       |       |      |
| LCS Dup (AD63291-BSD1)              |        |             |       | Prepared &  | α Analyzed: | 04/20/16    |         |       |       |      |
| Silica                              | 11.0   | 1.0         | mg/L  | 10.0        |             | 110         | 85-115  | 4.17  | 20    |      |
| Duplicate (AD63291-DUP1)            | Sou    | rce: 16D143 | 1-01  | Prepared &  | Analyzed:   | 04/20/16    |         |       |       |      |
| Silica                              | 15.8   | 2.0         | mg/L  |             | 15.7        |             |         | 0.518 | 20    |      |
| Matrix Spike (AD63291-MS1)          | Sou    | rce: 16D143 | 1-01  | Prepared &  | Analyzed:   | 04/20/16    |         |       |       |      |
| Silica                              | 33.2   | 2.0         | mg/L  | 20.0        | 15.7        | 87.1        | 80-120  |       |       |      |
| Matrix Spike Dup (AD63291-MSD1)     | Sou    | rce: 16D143 | 1-01  | Prepared &  | α Analyzed: | 04/20/16    |         |       |       |      |
| Silica                              | 34.7   | 2.0         | mg/L  | 20.0        | 15.7        | 94.9        | 80-120  | 4.58  | 20    |      |
| Batch AD63375 - General Preparation |        |             |       |             |             |             |         |       |       |      |
| Blank (AD63375-BLK1)                |        |             |       | Prepared: ( | 04/13/16 A  | nalyzed: 04 | -/18/16 |       |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0         | mg/L  |             |             |             |         |       |       |      |
| Blank (AD63375-BLK2)                |        |             |       | Prepared: ( | 04/13/16 A  | nalyzed: 04 | /18/16  |       |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0         | mg/L  | •           |             |             |         |       |       |      |
| LCS (AD63375-BS1)                   | Pı     |             |       |             | 04/12/16 A  | /17/16      |         |       |       |      |
| Biochemical Oxygen Demand           | 186    | 5.0         | mg/L  | 200         |             | 92.8        | 84-115  |       |       |      |
| Duplicate (AD63375-DUP1)            | Sou    | rce: 16D104 | 8-01  | Prepared: ( | 04/13/16 A  | nalyzed: 04 | /18/16  |       |       |      |
| Biochemical Oxygen Demand           | 370    | 5.0         | mg/L  |             | 356         |             |         | 3.86  | 30    |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 16:11

|                                     |        | Reporting    |       | Spike       | Source      |             | %REC    |       | RPD   | El   |
|-------------------------------------|--------|--------------|-------|-------------|-------------|-------------|---------|-------|-------|------|
| Analyte(s)                          | Result | Limit        | Units | Level       | Result      | %REC        | Limits  | RPD   | Limit | Flag |
| Batch AD63386 - General Preparation |        |              |       |             |             |             |         |       |       |      |
| Blank (AD63386-BLK1)                |        |              |       | Prepared &  | k Analyzed: | 04/19/16    |         |       |       |      |
| Ammonia as NH3                      | ND     | 0.50         | mg/L  |             |             |             |         |       |       |      |
| Blank (AD63386-BLK2)                |        |              |       | Prepared &  | k Analyzed: | 04/19/16    |         |       |       |      |
| Ammonia as NH3                      | ND     | 0.50         | mg/L  |             |             |             |         |       |       |      |
| LCS (AD63386-BS1)                   |        |              |       | Prepared &  | k Analyzed: | 04/19/16    |         |       |       |      |
| Ammonia as NH3                      | 5.85   | 0.50         | mg/L  | 6.10        |             | 96.0        | 90-110  |       |       |      |
| LCS Dup (AD63386-BSD1)              |        |              |       | Prepared &  | k Analyzed: | 04/19/16    |         |       |       |      |
| Ammonia as NH3                      | 5.96   | 0.50         | mg/L  | 6.10        |             | 97.7        | 90-110  | 1.81  | 10    |      |
| Matrix Spike (AD63386-MS1)          | Sou    | ırce: 16D095 | 8-02  | Prepared: ( | 04/19/16 A  | nalyzed: 04 | -/20/16 |       |       |      |
| Ammonia as NH3                      | 11.9   | 0.50         | mg/L  | 12.2        | ND          | 97.7        | 85-115  |       |       |      |
| Matrix Spike Dup (AD63386-MSD1)     | Sou    | rce: 16D095  | 8-02  | Prepared: ( | 04/19/16 A  | nalyzed: 04 | -/20/16 |       |       |      |
| Ammonia as NH3                      | 11.5   | 0.50         | mg/L  | 12.2        | ND          | 94.2        | 85-115  | 3.64  | 20    |      |
| Batch AD63470 - General Prep        |        |              |       |             |             |             |         |       |       |      |
| Blank (AD63470-BLK1)                |        |              |       | Prepared &  | k Analyzed: | 04/21/16    |         |       |       |      |
| Phosphorus, total                   | ND     | 0.040        | mg/L  | *           | •           |             |         |       |       |      |
| LCS (AD63470-BS1)                   | Pro    |              |       |             | t Analyzed: | 04/21/16    |         |       |       |      |
| Phosphorus, total                   | 0.199  | 0.040        | mg/L  | 0.200       |             | 99.6        | 85-115  |       |       |      |
| Duplicate (AD63470-DUP1)            | Sou    | ırce: 16D088 | 9-01  | Prepared &  | k Analyzed: | 04/21/16    |         |       |       |      |
| Phosphorus, total                   | 9.03   | 2.0          | mg/L  |             | 9.10        |             |         | 0.734 | 20    |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 16:11

| Analyte(s)                                        | Result         | Reporting<br>Limit  | Units        | Spike<br>Level | Source<br>Result    | %REC     | %REC<br>Limits | RPD   | RPD<br>Limit | Flag  |
|---------------------------------------------------|----------------|---------------------|--------------|----------------|---------------------|----------|----------------|-------|--------------|-------|
| Matrix Spike (AD63470-MS1) Phosphorus, total      | Source 10.4    | ce: <b>16D088</b> 9 | 9-01<br>mg/L | Prepared &     | λ Analyzed:<br>9.10 | 04/21/16 | 70-130         |       |              | QM-4X |
| Matrix Spike Dup (AD63470-MSD1) Phosphorus, total | Source<br>10.4 | <b>ce: 16D088</b>   | 9-01<br>mg/L | Prepared &     | k Analyzed:         | 04/21/16 | 70-130         | 0.640 | 20           | QM-4X |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 16:11

## 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 AD63154 - General Preparation |        |             |       |            |           |          |        |       |       |      |
| Blank (AD63154-BLK1)                |        |             |       | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Chloride                            | ND     | 0.50        | mg/L  |            |           |          |        |       |       |      |
| Nitrite as NO2                      | ND     | 1.0         | 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  |            |           |          |        |       |       |      |
| LCS (AD63154-BS1)                   |        |             |       | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Chloride                            | 11.4   | 0.50        | mg/L  | 11.1       |           | 102      | 90-110 |       |       |      |
| Nitrite as NO2                      | 17.3   | 1.0         | mg/L  | 18.2       |           | 95.1     | 90-110 |       |       |      |
| Nitrate as NO3                      | 25     | 1.0         | mg/L  | 24.7       |           | 103      | 90-110 |       |       |      |
| Nitrate as N                        | 5.71   | 0.20        | mg/L  | 5.56       |           | 103      | 90-110 |       |       |      |
| Nitrite as N                        | 5.27   | 0.20        | mg/L  | 5.56       |           | 94.8     | 90-110 |       |       |      |
| Duplicate (AD63154-DUP1)            | Sou    | rce: 16D085 | 7-01  | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Nitrate as NO3                      | ND     | 1.0         | mg/L  |            | ND        |          |        | 14.5  | 20    |      |
| Chloride                            | 4.42   | 0.50        | mg/L  |            | 4.44      |          |        | 0.361 | 20    |      |
| Nitrate as N                        | ND     | 0.20        | mg/L  |            | ND        |          |        | 14.5  | 20    |      |
| Nitrite as NO2                      | ND     | 1.0         | mg/L  |            | ND        |          |        |       | 20    |      |
| Nitrite as N                        | ND     | 0.20        | mg/L  |            | ND        |          |        |       | 20    |      |
| Matrix Spike (AD63154-MS1)          | Sou    | rce: 16D085 | 7-01  | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Chloride                            | 15.9   | 0.50        | mg/L  | 11.1       | 4.44      | 103      | 80-120 |       |       |      |
| Nitrate as NO3                      | 26     | 1.0         | mg/L  | 24.7       | ND        | 106      | 80-120 |       |       |      |
| Nitrate as N                        | 5.96   | 0.20        | mg/L  | 5.56       | ND        | 106      | 80-120 |       |       |      |
| Nitrite as N                        | 5.45   | 0.20        | mg/L  | 5.56       | ND        | 97.1     | 80-120 |       |       |      |
| Nitrite as NO2                      | 17.9   | 1.0         | mg/L  | 18.2       | ND        | 97.4     | 80-120 |       |       |      |
| Matrix Spike (AD63154-MS2)          | Sou    | rce: 16D087 | 5-01  | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Chloride                            | 91.3   | 5.0         | mg/L  | 11.1       | 80.5      | 96.9     | 80-120 |       |       |      |
| Nitrate as NO3                      | 26     | 10          | mg/L  | 24.7       | ND        | 86.2     | 80-120 |       |       |      |
| Nitrate as N                        | 5.87   | 2.0         | mg/L  | 5.56       | ND        | 86.4     | 80-120 |       |       |      |
| Nitrite as NO2                      | 15.3   | 10          | mg/L  | 18.2       | ND        | 83.9     | 80-120 |       |       |      |
| Nitrite as N                        | 4.64   | 2.0         | mg/L  | 5.56       | ND        | 83.6     | 80-120 |       |       |      |



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

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

Reported: 04/27/16 16:11

#### Anions by EPA Method 300.0 - Quality Control

| Analyte(s)                          | Result | Reporting<br>Limit | Units      | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD   | RPD<br>Limit | Flag |
|-------------------------------------|--------|--------------------|------------|----------------|------------------|------|----------------|-------|--------------|------|
| Batch AD63154 - General Preparation |        |                    |            |                |                  |      |                |       |              |      |
| Matrix Spike Dup (AD63154-MSD1)     | Sour   | ce: 16D085         | Prepared & | Analyzed:      | 04/12/16         |      |                |       |              |      |
| Chloride                            | 16.0   | 0.50               | mg/L       | 11.1           | 4.44             | 104  | 80-120         | 0.216 | 20           |      |
| Nitrate as NO3                      | 27     | 1.0                | mg/L       | 24.7           | ND               | 107  | 80-120         | 0.705 | 20           |      |
| Nitrite as NO2                      | 18.0   | 1.0                | mg/L       | 18.2           | ND               | 97.8 | 80-120         | 0.387 | 20           |      |
| Nitrite as N                        | 5.47   | 0.20               | mg/L       | 5.56           | ND               | 97.5 | 80-120         | 0.387 | 20           |      |
| Nitrate as N                        | 6.00   | 0.20               | mg/L       | 5.56           | ND               | 107  | 80-120         | 0.705 | 20           |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 16:11

#### **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-1 This sample was received outside recommended holding time.

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-17 Sample analyzed outside of recommended hold time. Client notified.

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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# Work Order Chain of Custody Record

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

Lab No. 16D0889\_ Page\_\_ of

| Company/Name:                                                                                   |          | Project II                                       |                                                                                      |        |           |              |             |           |             |        |           |                 | Sign           | ature    | belov           | y auth     | orize             | s wor              | k und                   | er ten                   | ms sta   | ted or          | rever                 | se side. |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------|----------|--------------------------------------------------|--------------------------------------------------------------------------------------|--------|-----------|--------------|-------------|-----------|-------------|--------|-----------|-----------------|----------------|----------|-----------------|------------|-------------------|--------------------|-------------------------|--------------------------|----------|-----------------|-----------------------|----------|----|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| West Bay Sanitary District                                                                      |          |                                                  |                                                                                      | NC     | <u> 7</u> | 10ľ          | nito        | orii      | ng          |        |           |                 | _              |          |                 |            | An                | alys               | is R                    | equ                      | est      |                 |                       |          | s  | Sample Notes | TAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Malling Address:<br>500 Laurel Street<br>Menio Park, CA 94025                                   |          | Project N                                        | lo:                                                                                  | C      | ak        | ٠A١          | en_         | ue        | !           |        | _         |                 |                |          |                 |            |                   |                    |                         |                          |          |                 |                       |          |    |              | 24 hr %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Project Contact & Email (Hardcopy or PDF to<br>John Simonetti<br>isimonetti@westbaysanitary.org | o):<br>  | PO#                                              |                                                                                      |        |           |              |             |           |             |        |           |                 |                |          | Na              | rus        |                   | NO3                | ate                     | SAR Adjusted Calculation |          |                 |                       |          |    | 3.9          | 24 hr  Approval  Reduited  Tab  Approval  Reduited For Rush                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Phone/Fax:                                                                                      |          | Site Con                                         |                                                                                      | _      | ·.        |              |             | ,         |             |        |           |                 |                |          | Ca, Mg, ⊳       | Phosphorus | <br>              | Chloride, EC, NO2, | Alkalinity, Bicarbonate | Calcı                    |          |                 |                       |          |    | 4.6          | Approval Englishment Control of C |
| 620-331-0587                                                                                    |          | 20                                               |                                                                                      |        |           |              |             |           | - 47        | 1,,    | _4_       |                 |                |          | ά               | Phc        | <u>e</u>          | lΩ                 | ica                     | pe                       |          |                 |                       |          |    | U            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Fleld Sampler - Print Name & Signature                                                          | San      | nple                                             | 片                                                                                    | onta   | aine      | <u>r   r</u> | res         | erva      | ative       | e M    | atri      |                 |                |          | a<br>a          | a,         | Įğ                | Щ                  | γ, Ε                    | jus                      |          |                 |                       | İ        |    |              | App                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sample                                                                                          |          | ection                                           | HVC3 HV2SO4  None None Nother  Other None Nother  Other Other None Other Other Other |        |           |              |             |           | aoa na      | на Па  |           | Ammonia,        | Total Nitrogen | oride    | alinit          | R Ad       | ß                 | တ                  | S                       |                          |          |                 | 2 wk ਦੂ<br>(standard) |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Identification                                                                                  | Date     | Time                                             |                                                                                      |        |           |              |             |           | Othe        | $\Box$ | 집         | 200.7           | Am             | ļ        | 동               | ¥          | SA                | Silica             | TDS                     | TSS                      |          |                 |                       | 0        |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Oak Avenue                                                                                      | -1/4/6   | oof O                                            |                                                                                      |        |           |              |             |           |             | х      | x         | х               | х              | х        | х               | x          | х                 | х                  | х                       | x                        |          |                 | Ţ                     |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                 |          |                                                  |                                                                                      |        |           |              | I           |           |             |        |           |                 |                |          |                 |            |                   |                    |                         |                          |          |                 |                       |          |    | ,            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                 |          |                                                  |                                                                                      |        |           |              |             |           |             |        |           |                 |                | L        |                 |            |                   |                    |                         |                          | _        | _               |                       |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                 |          |                                                  |                                                                                      |        | Π         |              |             |           |             |        |           |                 |                |          |                 |            |                   |                    |                         |                          |          |                 |                       |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                 |          |                                                  | П                                                                                    |        |           |              |             | Г         |             |        |           |                 |                | ļ        |                 |            |                   |                    |                         |                          |          |                 |                       |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                 |          |                                                  | П                                                                                    | $\top$ | Π         | П            | Τ           | Т         |             | T      |           |                 |                |          |                 |            |                   |                    |                         |                          |          |                 |                       |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                 |          | 1                                                | 11                                                                                   | $\top$ | $\top$    |              |             |           | П           | 1      | T         | П               |                |          |                 |            |                   |                    |                         |                          |          |                 |                       |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                 |          | <del> </del>                                     | 1                                                                                    | 十      | 忊         | $\Box$       | 十           | 十         | П           | 1      | T         | П               |                |          |                 |            |                   |                    |                         |                          |          |                 |                       |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                 | _        | <del>                                     </del> | ╂┼                                                                                   | ╅      | 十         | $\Box$       | 十           | t         | 1 1         | +      | $\dagger$ | Ħ               | _              | t        |                 | <u> </u>   |                   | -                  |                         |                          | $\vdash$ | $\vdash$        |                       | _        |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                 |          | +                                                | ╁┼                                                                                   | +      | ╁         | H            | +           | ╁         | Н           | ╁      | +         | $\vdash$        |                | $\vdash$ | ╁╌              | $\vdash$   |                   | ╁                  | -                       |                          | $\vdash$ |                 |                       | 一        |    |              | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                 | <u> </u> |                                                  | ₩                                                                                    | +      | ╂         | Н            | ╀           | +-        | H           | ╬      | ╀         | Н               | _              | ├        | ┢               | $\vdash$   |                   | ┢                  |                         | <del> </del>             | ⊢        | -               | Н                     |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                 |          | <del> </del>                                     | $\bot$                                                                               | +      | 1         | $\sqcup$     | +           | ╄         | $\vdash$    | +      | ╀         | <b>↓</b> _      | <u> </u>       | <b>├</b> | <u> </u>        | <u> </u>   | <u> </u>          | ┡                  | _                       |                          | <u> </u> | <u> </u>        |                       | -+       | _  | l l          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                 |          | ļ                                                | Ш                                                                                    | _ _    | ┸         | Ц            | ┸           | ┸         | Н           | $\bot$ | ╄         | ┸               | _              | ╙        | $oxed{igspace}$ | _          | $ldsymbol{f eta}$ | <u> </u>           |                         |                          | <u> </u> |                 |                       | _        |    | •            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                 |          | $\bigcap$                                        | <u>L</u> l.                                                                          | _      | $\bot$    |              |             |           |             |        |           |                 |                |          |                 |            |                   | <u> </u>           |                         |                          |          |                 |                       |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                 |          | 1 1,                                             | H                                                                                    |        | حرلر      | M            | T           |           |             |        |           | 1               |                |          |                 |            |                   | l _                |                         |                          |          |                 |                       |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Relinquished by:                                                                                |          | Receive                                          | d by:                                                                                | (      | Ž         |              | _           | _         |             |        |           | Da <sup>1</sup> |                | 16       | Tim             | 30°        | J                 | CD                 | PH                      | Writ                     | e O      | n E             | OT R                  | epoi     | t? | Yes          | No O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Relinguished by                                                                                 |          |                                                  |                                                                                      |        |           |              | Da 4        | te /      |             | Tim    |           | -               | Sta            | ate \$   | Syst            | tem        | Nul<br>           | mbe                | r:                      | _                        |          |                 |                       |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Relinedished by:                                                                                |          | Received by:                                     |                                                                                      |        |           |              | Dá          | te<br>}/\ | ٦           | Tim    | 8,        | S               | CA             |          |                 |            |                   |                    | port                    |                          | Yes      | No O            |                       |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Relinquished by:                                                                                |          |                                                  |                                                                                      | Da     | te<br>L / | 31           | Tim         |           |             | Sa     | mpli      | ng (            | Com            | pan      | y Lo            | g:Co       | de:_              |                    |                         |                          |          |                 |                       |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| (                                                                                               |          |                                                  |                                                                                      |        |           | 4/           | <i>1</i> /\ | _         | <u> 21:</u> | 15     | Glo       | bal             |                |          |                 | T          |                   | DF to (            | (Email Address):        |                          |          |                 |                       |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Relinquished by:                                                                                |          | Receive                                          | ceived by:                                                                           |        |           |              |             | Da        | te          |        | Tim       | e               |                | Ira      | vei ai          | na Si      | te,Ti<br>)}<br>;  | me:                | Mile                    | age:                     |          | Misc. Supplies: |                       |          |    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



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ELAP Certificates 1551, 2728, and 2922

27 April 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

RE: WQ Monitoring

Work Order: 16D0892

Enclosed are the results of analyses for samples received by the laboratory on 04/11/16 21:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Robbie C. Phillips

Jeanette Popli

Project Manager



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 16:11

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID  | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------|---------------|--------|----------------|----------------|
| Oak Avenue | 16D0892-01    | Water  | 04/10/16 09:00 | 04/11/16 21:15 |



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Reported: 04/27/16 16:11

|                                             | Result        | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method        | Note |
|---------------------------------------------|---------------|-----------------|----------|---------|----------------|-------------------|---------------|------|
| Oak Avenue (16D0892-01)                     |               | Sample Type     | : Water  |         | Sample         | d: 04/10/16 09:00 |               |      |
| Metals by EPA 200 Series Methods            |               |                 |          |         |                |                   |               |      |
| Boron                                       | 0.36 mg/L     | 0.050           | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 14:03    | EPA 200.7     |      |
| Calcium                                     | 43 mg/L       | 1.0             | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 14:03    | EPA 200.7     |      |
| Magnesium                                   | 20 mg/L       | 1.0             | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 14:03    | EPA 200.7     |      |
| Sodium                                      | 63 mg/L       | 1.0             | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 14:03    | EPA 200.7     |      |
| Conventional Chemistry Parameters by APHA   | A/EPA Methods |                 |          |         |                |                   |               |      |
| Ammonia as NH3                              | 49 mg/L       | 0.50            | 1        | AD63386 | 04/19/16 08:43 | 04/19/16 11:18    | SM4500NH3C    |      |
| Bicarbonate                                 | 350 mg/L      | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |      |
| Biochemical Oxygen Demand                   | 330 mg/L      | 5.0             | 1        | AD63368 | 04/12/16 09:00 | 04/17/16 15:00    | SM5210B       |      |
| рН                                          | 7.62 pH Units | 1.68            | 1        | AD63164 | 04/11/16 18:00 | 04/11/16 18:00    | SM4500-H+ B   | T-14 |
| Specific Conductance (EC)                   | 940 umhos/cm  | 20              | 1        | AD63192 | 04/12/16 17:00 | 04/12/16 17:00    | SM2510B       |      |
| <b>Total Dissolved Solids</b>               | 450 mg/L      | 10              | 1        | AD63243 | 04/14/16 09:45 | 04/18/16 12:00    | SM2540C       |      |
| <b>Total Suspended Solids</b>               | 220 mg/L      | 1.0             | 1        | AD63254 | 04/14/16 15:00 | 04/18/16 10:00    | SM2540D       |      |
| Silica                                      | 20 mg/L       | 2.0             | 2        | AD63291 | 04/20/16 11:30 | 04/20/16 16:00    | SM4500-SiO2 C |      |
| Bicarbonate Alkalinity as CaCO3             | 280 mg/L      | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |      |
| Carbonate Alkalinity as CaCO3               | ND mg/L       | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |      |
| Hydroxide Alkalinity as CaCO3               | ND mg/L       | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |      |
| Total Alkalinity as CaCO3                   | 280 mg/L      | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |      |
| Total Kjeldahl Nitrogen                     | 67 mg/L       | 1.0             | 1        | AD63176 | 04/18/16 14:25 | 04/20/16 13:20    | SM4500-Norg B |      |
| Total Nitrogen                              | 67 mg/L       | 1.0             | 1        | AD63202 | 04/13/16 10:05 | 04/21/16 16:16    | SM4500-N      |      |
| Phosphorus, total                           | 6.6 mg/L      | 2.0             | 5        | AD63470 | 04/21/16 08:30 | 04/21/16 13:58    | SM4500-P E    |      |
| Miscellaneous Physical/Conventional Chemist | ry Parameters |                 |          |         |                |                   |               |      |
| Sodium Adsorption Ratio-Adj RNa             | 2.36 NA       |                 | 1        | AD63405 | 04/19/16 14:08 | 04/27/16 11:22    | SAR           |      |



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West Bay Sanitary DistrictProject Manager: John Simonetti500 Laurel StreetProject: WQ MonitoringReported:Menlo Park, CA 94025Project Number: Oak Avenue04/27/16 16:11

|                                                       | Result  | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method    | Note |
|-------------------------------------------------------|---------|-----------------|----------|---------|----------------|-------------------|-----------|------|
| Oak Avenue (16D0892-01)<br>Anions by EPA Method 300.0 |         | Sample Type:    | Water    |         | Sample         | d: 04/10/16 09:00 |           |      |
| Chloride                                              | 64 mg/L | 12              | 25       | AD63154 | 04/12/16 13:57 | 04/12/16 13:57    | EPA 300.0 |      |
| Nitrate as N                                          | ND mg/L | 0.20            | 1        | AD63154 | 04/12/16 13:57 | 04/12/16 13:57    | EPA 300.0 | T-17 |
| Nitrate as NO3                                        | ND mg/L | 1.0             | 1        | AD63154 | 04/12/16 13:57 | 04/12/16 13:57    | EPA 300.0 | T-17 |
| Nitrite as N                                          | ND mg/L | 0.20            | 1        | AD63154 | 04/12/16 13:57 | 04/12/16 13:57    | EPA 300.0 | T-17 |
| Nitrite as NO2                                        | ND mg/L | 1.0             | 1        | AD63154 | 04/12/16 13:57 | 04/12/16 13:57    | EPA 300.0 | T-17 |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 16:11

## 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 AD63405 - Metals Digest |        |            |       |             |            |             |         |       |       |       |
| Blank (AD63405-BLK1)          |        |            |       | Prepared: ( | 04/19/16 A | nalyzed: 04 | -/21/16 |       |       |       |
| Boron                         | ND     | 0.050      | mg/L  |             |            |             |         |       |       |       |
| Calcium                       | ND     | 1.0        | mg/L  |             |            |             |         |       |       |       |
| Magnesium                     | ND     | 1.0        | mg/L  |             |            |             |         |       |       |       |
| Sodium                        | ND     | 1.0        | mg/L  |             |            |             |         |       |       |       |
| LCS (AD63405-BS1)             |        |            |       | Prepared: ( | 04/19/16 A | nalyzed: 04 | /21/16  |       |       |       |
| Boron                         | 0.410  | 0.050      | mg/L  | 0.400       |            | 103         | 85-115  |       |       |       |
| Calcium                       | 7.25   | 1.0        | mg/L  | 8.00        |            | 90.6        | 85-115  |       |       |       |
| Magnesium                     | 7.19   | 1.0        | mg/L  | 8.00        |            | 89.9        | 85-115  |       |       |       |
| Sodium                        | 7.51   | 1.0        | mg/L  | 8.00        |            | 93.9        | 85-115  |       |       |       |
| Duplicate (AD63405-DUP1)      | Sour   | ce: 16D089 | 9-02  | Prepared: ( | 04/19/16 A | nalyzed: 04 | -/21/16 |       |       |       |
| Boron                         | 0.213  | 0.050      | mg/L  |             | 0.204      |             |         | 4.15  | 20    |       |
| Calcium                       | 24.2   | 1.0        | mg/L  |             | 24.4       |             |         | 0.580 | 20    |       |
| Magnesium                     | 1.44   | 1.0        | mg/L  |             | 1.39       |             |         | 3.51  | 20    |       |
| Sodium                        | 329    | 1.0        | mg/L  |             | 346        |             |         | 5.13  | 20    |       |
| Matrix Spike (AD63405-MS1)    | Sour   | ce: 16D089 | 9-02  | Prepared: ( | 04/19/16 A | nalyzed: 04 | /21/16  |       |       |       |
| Boron                         | 0.606  | 0.050      | mg/L  | 0.400       | 0.204      | 100         | 70-130  |       |       |       |
| Calcium                       | 32.1   | 1.0        | mg/L  | 8.00        | 24.4       | 96.6        | 70-130  |       |       |       |
| Magnesium                     | 8.94   | 1.0        | mg/L  | 8.00        | 1.39       | 94.4        | 70-130  |       |       |       |
| Sodium                        | 336    | 1.0        | mg/L  | 8.00        | 346        | NR          | 70-130  |       |       | QM-4X |
| Matrix Spike (AD63405-MS2)    | Sour   | ce: 16D079 | 1-02  | Prepared: ( | 04/19/16 A | nalyzed: 04 | /21/16  |       |       |       |
| Boron                         | 0.403  | 0.050      | mg/L  | 0.400       | ND         | 101         | 70-130  |       |       |       |
| Calcium                       | 8.04   | 1.0        | mg/L  | 8.00        | ND         | 95.9        | 70-130  |       |       |       |
| Magnesium                     | 7.72   | 1.0        | mg/L  | 8.00        | ND         | 95.6        | 70-130  |       |       |       |
| Sodium                        | 7.99   | 1.0        | mg/L  | 8.00        | ND         | 98.0        | 70-130  |       |       |       |



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

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

Reported: 04/27/16 16:11

## Metals by EPA 200 Series Methods - Quality Control

|                                 |        | Reporting  |       | Spike       | Source     |             | %REC   |      | RPD   | El    |
|---------------------------------|--------|------------|-------|-------------|------------|-------------|--------|------|-------|-------|
| Analyte(s)                      | Result | Limit      | Units | Level       | Result     | %REC        | Limits | RPD  | Limit | Flag  |
| Batch AD63405 - Metals Digest   |        |            |       |             |            |             |        |      |       |       |
| Matrix Spike Dup (AD63405-MSD1) | Sour   | ce: 16D089 | 9-02  | Prepared: ( | 04/19/16 A | nalyzed: 04 | /21/16 |      |       |       |
| Boron                           | 0.570  | 0.050      | mg/L  | 0.400       | 0.204      | 91.6        | 70-130 | 6.01 | 20    |       |
| Calcium                         | 32.5   | 1.0        | mg/L  | 8.00        | 24.4       | 102         | 70-130 | 1.28 | 20    |       |
| Magnesium                       | 8.54   | 1.0        | mg/L  | 8.00        | 1.39       | 89.4        | 70-130 | 4.55 | 20    |       |
| Sodium                          | 347    | 1.0        | mg/L  | 8.00        | 346        | 3.12        | 70-130 | 3.10 | 20    | QM-4X |
|                                 |        |            |       |             |            |             |        |      |       |       |



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

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

Reported: 04/27/16 16:11

| A 1. ()                             | P 1:   | Reporting   | ** ·     | Spike       | Source      | 0/DEC       | %REC   | DDD   | RPD   | Elec |
|-------------------------------------|--------|-------------|----------|-------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units    | Level       | Result      | %REC        | Limits | RPD   | Limit | Flag |
| Batch AD63111 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Duplicate (AD63111-DUP1)            | Sou    | rce: 16D086 | 5-01     | Prepared &  | Analyzed:   | 04/13/16    |        |       |       |      |
| Bicarbonate                         | 26.8   | 5.0         | mg/L     |             | 26.8        |             |        | 0.00  | 20    |      |
| Bicarbonate Alkalinity as CaCO3     | 22.0   | 5.0         | mg/L     |             | 22.0        |             |        | 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    |      |
| Total Alkalinity as CaCO3           | 22.0   | 5.0         | mg/L     |             | 22.0        |             |        | 0.00  | 20    |      |
| Batch AD63164 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Duplicate (AD63164-DUP1)            | Sou    | rce: 16D079 | 4-01     | Prepared &  | Analyzed:   | 04/11/16    |        |       |       |      |
| pH                                  | 7.43   | 1.68        | pH Units |             | 7.46        |             |        | 0.403 | 20    |      |
| Batch AD63176 - General Prep        |        |             |          |             |             |             |        |       |       |      |
| LCS (AD63176-BS1)                   |        |             |          | Prepared: ( | 04/13/16 A  | nalyzed: 04 | /14/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0         | mg/L     | 2.98        |             | 99.0        | 80-120 |       |       |      |
| LCS Dup (AD63176-BSD1)              |        |             |          | Prepared: ( | 04/13/16 A  | nalyzed: 04 | /14/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0         | mg/L     | 2.98        |             | 99.0        | 80-120 | 0.00  | 20    |      |
| Matrix Spike (AD63176-MS1)          | Sou    | rce: 16D090 | 0-01     | Prepared &  | Analyzed:   | 04/14/16    |        |       |       |      |
| Total Kjeldahl Nitrogen             | 82.7   | 1.0         | mg/L     | 22.6        | 55.3        | 121         | 75-125 |       |       |      |
| Matrix Spike Dup (AD63176-MSD1)     | Sou    | rce: 16D090 | 0-01     | Prepared &  | z Analyzed: | 04/14/16    |        |       |       |      |
| Total Kjeldahl Nitrogen             | 82.7   | 1.0         | mg/L     | 22.6        | 55.3        | 121         | 75-125 | 0.00  | 20    |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 16:11

|                                     |        | Reporting   |          | Spike       | Source      |             | %REC   |       | RPD   |      |
|-------------------------------------|--------|-------------|----------|-------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units    | Level       | Result      | %REC        | Limits | RPD   | Limit | Flag |
| Batch AD63192 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Duplicate (AD63192-DUP1)            | Sou    | rce: 16D097 | 7-01     | Prepared &  | k Analyzed: | 04/12/16    |        |       |       |      |
| Specific Conductance (EC)           | 153    | 20          | umhos/cm |             | 152         |             |        | 0.656 | 5     |      |
| Batch AD63243 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Blank (AD63243-BLK1)                |        |             |          | Prepared: ( | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Dissolved Solids              | ND     | 10          | mg/L     |             |             |             |        |       |       |      |
| Duplicate (AD63243-DUP1)            | Sou    | rce: 16D091 | 2-01     | Prepared: ( | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Dissolved Solids              | 780    | 10          | mg/L     |             | 840         |             |        | 7.41  | 15    |      |
| Duplicate (AD63243-DUP2)            | Sou    | rce: 16D103 | 5-01     | Prepared: ( | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Dissolved Solids              | 640    | 10          | mg/L     |             | 600         |             |        | 6.45  | 15    |      |
| Batch AD63254 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Blank (AD63254-BLK1)                |        |             |          | Prepared: ( | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Suspended Solids              | ND     | 1.0         | mg/L     |             |             |             |        |       |       |      |
| Duplicate (AD63254-DUP1)            | Sou    | rce: 16D088 | 9-01     | Prepared: ( | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Suspended Solids              | 230    | 1.0         | mg/L     |             | 264         |             |        | 13.8  | 30    |      |
| Duplicate (AD63254-DUP2)            | Sou    | rce: 16D089 | 2-01     | Prepared: ( | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Suspended Solids              | 228    | 1.0         | mg/L     |             | 218         |             |        | 4.48  | 30    |      |
| Batch AD63291 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Blank (AD63291-BLK1)                |        |             |          | Prepared &  | አ Analyzed: | 04/20/16    |        |       |       |      |
| Silica                              | ND     | 1.0         | mg/L     |             |             |             |        |       |       |      |



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Reported: 04/27/16 16:11

|                                     | D. Iv  | Reporting   | TT 1  | Spike       | Source     | 0/DEC       | %REC   | D DD  | RPD   | Elec |
|-------------------------------------|--------|-------------|-------|-------------|------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units | Level       | Result     | %REC        | Limits | RPD   | Limit | Flag |
| Batch AD63291 - General Preparation |        |             |       |             |            |             |        |       |       |      |
| LCS (AD63291-BS1)                   |        |             |       | Prepared &  | Analyzed:  | 04/20/16    |        |       |       |      |
| Silica                              | 10.6   | 1.0         | mg/L  | 10.0        |            | 106         | 85-115 |       |       |      |
| LCS Dup (AD63291-BSD1)              |        |             |       | Prepared 8  | Analyzed:  | 04/20/16    |        |       |       |      |
| Silica                              | 11.0   | 1.0         | mg/L  | 10.0        |            | 110         | 85-115 | 4.17  | 20    |      |
| Duplicate (AD63291-DUP1)            | Sour   | ce: 16D143  | 1-01  | Prepared &  | Analyzed:  | 04/20/16    |        |       |       |      |
| Silica                              | 15.8   | 2.0         | mg/L  | -           | 15.7       |             |        | 0.518 | 20    |      |
| Matrix Spike (AD63291-MS1)          | Sour   | ce: 16D143  | 1-01  | Prepared &  | Analyzed:  | 04/20/16    |        |       |       |      |
| Silica                              | 33.2   | 2.0         | mg/L  | 20.0        | 15.7       | 87.1        | 80-120 |       |       |      |
| Matrix Spike Dup (AD63291-MSD1)     | Sour   | ce: 16D143  | 1-01  | Prepared &  | Analyzed:  | 04/20/16    |        |       |       |      |
| Silica                              | 34.7   | 2.0         | mg/L  | 20.0        | 15.7       | 94.9        | 80-120 | 4.58  | 20    |      |
| Batch AD63368 - General Preparation |        |             |       |             |            |             |        |       |       |      |
| Blank (AD63368-BLK1)                |        |             |       | Prepared: ( | 04/12/16 A | nalyzed: 04 | /17/16 |       |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0         | mg/L  |             |            |             |        |       |       |      |
| Blank (AD63368-BLK2)                |        |             |       | Prepared: ( | 04/12/16 A | nalyzed: 04 | /17/16 |       |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0         | mg/L  | •           |            |             |        |       |       |      |
| LCS (AD63368-BS1)                   |        |             |       | Prepared: ( | 04/12/16 A | /17/16      |        |       |       |      |
| Biochemical Oxygen Demand           | 186    | 5.0         | mg/L  | 200         |            | 92.8        | 84-115 |       |       |      |
| Duplicate (AD63368-DUP1)            | Sour   | ce: 16D0892 | 2-01  | Prepared: ( | 04/12/16 A | nalyzed: 04 | /17/16 |       |       |      |
| Biochemical Oxygen Demand           | 339    | 5.0         | mg/L  |             | 327        |             |        | 3.60  | 30    |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 16:11

|                                     |        | Reporting    |       | Spike       | Source      |             | %REC    |       | RPD   | El   |
|-------------------------------------|--------|--------------|-------|-------------|-------------|-------------|---------|-------|-------|------|
| Analyte(s)                          | Result | Limit        | Units | Level       | Result      | %REC        | Limits  | RPD   | Limit | Flag |
| Batch AD63386 - General Preparation |        |              |       |             |             |             |         |       |       |      |
| Blank (AD63386-BLK1)                |        |              |       | Prepared &  | k Analyzed: | 04/19/16    |         |       |       |      |
| Ammonia as NH3                      | ND     | 0.50         | mg/L  |             |             |             |         |       |       |      |
| Blank (AD63386-BLK2)                |        |              |       | Prepared &  | k Analyzed: | 04/19/16    |         |       |       |      |
| Ammonia as NH3                      | ND     | 0.50         | mg/L  |             |             |             |         |       |       |      |
| LCS (AD63386-BS1)                   |        |              |       | Prepared &  | k Analyzed: | 04/19/16    |         |       |       |      |
| Ammonia as NH3                      | 5.85   | 0.50         | mg/L  | 6.10        |             | 96.0        | 90-110  |       |       |      |
| LCS Dup (AD63386-BSD1)              |        |              |       | Prepared &  | k Analyzed: | 04/19/16    |         |       |       |      |
| Ammonia as NH3                      | 5.96   | 0.50         | mg/L  | 6.10        |             | 97.7        | 90-110  | 1.81  | 10    |      |
| Matrix Spike (AD63386-MS1)          | Sou    | ırce: 16D095 | 8-02  | Prepared: ( | 04/19/16 A  | nalyzed: 04 | -/20/16 |       |       |      |
| Ammonia as NH3                      | 11.9   | 0.50         | mg/L  | 12.2        | ND          | 97.7        | 85-115  |       |       |      |
| Matrix Spike Dup (AD63386-MSD1)     | Sou    | rce: 16D095  | 8-02  | Prepared: ( | 04/19/16 A  | nalyzed: 04 | -/20/16 |       |       |      |
| Ammonia as NH3                      | 11.5   | 0.50         | mg/L  | 12.2        | ND          | 94.2        | 85-115  | 3.64  | 20    |      |
| Batch AD63470 - General Prep        |        |              |       |             |             |             |         |       |       |      |
| Blank (AD63470-BLK1)                |        |              |       | Prepared &  | k Analyzed: | 04/21/16    |         |       |       |      |
| Phosphorus, total                   | ND     | 0.040        | mg/L  | *           | •           |             |         |       |       |      |
| LCS (AD63470-BS1)                   |        |              |       | Prepared &  | t Analyzed: | 04/21/16    |         |       |       |      |
| Phosphorus, total                   | 0.199  | 0.040        | mg/L  | 0.200       |             | 99.6        | 85-115  |       |       |      |
| Duplicate (AD63470-DUP1)            | Sou    | ırce: 16D088 | 9-01  | Prepared &  | k Analyzed: | 04/21/16    |         |       |       |      |
| Phosphorus, total                   | 9.03   | 2.0          | mg/L  |             | 9.10        |             |         | 0.734 | 20    |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

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| Analyte(s)                      | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD   | RPD<br>Limit | Flag  |
|---------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|-------|--------------|-------|
| Batch AD63470 - General Prep    |        |                    |       |                |                  |          |                |       |              |       |
| Matrix Spike (AD63470-MS1)      | Sour   | ce: 16D088         | 9-01  | Prepared &     | k Analyzed:      | 04/21/16 |                |       |              |       |
| Phosphorus, total               | 10.4   | 2.0                | mg/L  | 2.00           | 9.10             | 66.5     | 70-130         |       |              | QM-4X |
| Matrix Spike Dup (AD63470-MSD1) | Source | ce: 16D088         | 9-01  | Prepared &     | k Analyzed:      | 04/21/16 |                |       |              |       |
| Phosphorus, total               | 10.4   | 2.0                | mg/L  | 2.00           | 9.10             | 63.2     | 70-130         | 0.640 | 20           | QM-4X |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 16:11

## 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 AD63154 - General Preparation |        |             |       |            |           |          |        |       |       |      |
| Blank (AD63154-BLK1)                |        |             |       | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Chloride                            | ND     | 0.50        | mg/L  |            |           |          |        |       |       |      |
| Nitrite as NO2                      | ND     | 1.0         | 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  |            |           |          |        |       |       |      |
| LCS (AD63154-BS1)                   |        |             |       | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Chloride                            | 11.4   | 0.50        | mg/L  | 11.1       |           | 102      | 90-110 |       |       |      |
| Nitrite as NO2                      | 17.3   | 1.0         | mg/L  | 18.2       |           | 95.1     | 90-110 |       |       |      |
| Nitrate as NO3                      | 25     | 1.0         | mg/L  | 24.7       |           | 103      | 90-110 |       |       |      |
| Nitrate as N                        | 5.71   | 0.20        | mg/L  | 5.56       |           | 103      | 90-110 |       |       |      |
| Nitrite as N                        | 5.27   | 0.20        | mg/L  | 5.56       |           | 94.8     | 90-110 |       |       |      |
| Duplicate (AD63154-DUP1)            | Sou    | rce: 16D085 | 7-01  | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Nitrate as NO3                      | ND     | 1.0         | mg/L  |            | ND        |          |        | 14.5  | 20    |      |
| Chloride                            | 4.42   | 0.50        | mg/L  |            | 4.44      |          |        | 0.361 | 20    |      |
| Nitrate as N                        | ND     | 0.20        | mg/L  |            | ND        |          |        | 14.5  | 20    |      |
| Nitrite as NO2                      | ND     | 1.0         | mg/L  |            | ND        |          |        |       | 20    |      |
| Nitrite as N                        | ND     | 0.20        | mg/L  |            | ND        |          |        |       | 20    |      |
| Matrix Spike (AD63154-MS1)          | Sou    | rce: 16D085 | 7-01  | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Chloride                            | 15.9   | 0.50        | mg/L  | 11.1       | 4.44      | 103      | 80-120 |       |       |      |
| Nitrate as NO3                      | 26     | 1.0         | mg/L  | 24.7       | ND        | 106      | 80-120 |       |       |      |
| Nitrate as N                        | 5.96   | 0.20        | mg/L  | 5.56       | ND        | 106      | 80-120 |       |       |      |
| Nitrite as N                        | 5.45   | 0.20        | mg/L  | 5.56       | ND        | 97.1     | 80-120 |       |       |      |
| Nitrite as NO2                      | 17.9   | 1.0         | mg/L  | 18.2       | ND        | 97.4     | 80-120 |       |       |      |
| Matrix Spike (AD63154-MS2)          | Sou    | rce: 16D087 | 5-01  | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Chloride                            | 91.3   | 5.0         | mg/L  | 11.1       | 80.5      | 96.9     | 80-120 |       |       |      |
| Nitrate as NO3                      | 26     | 10          | mg/L  | 24.7       | ND        | 86.2     | 80-120 |       |       |      |
| Nitrate as N                        | 5.87   | 2.0         | mg/L  | 5.56       | ND        | 86.4     | 80-120 |       |       |      |
| Nitrite as NO2                      | 15.3   | 10          | mg/L  | 18.2       | ND        | 83.9     | 80-120 |       |       |      |
| Nitrite as N                        | 4.64   | 2.0         | mg/L  | 5.56       | ND        | 83.6     | 80-120 |       |       |      |



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

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

Reported: 04/27/16 16:11

#### Anions by EPA Method 300.0 - Quality Control

| Analyte(s)                          | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD   | RPD<br>Limit | Flag |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|-------|--------------|------|
| Batch AD63154 - General Preparation |        |                    |       |                |                  |          |                |       |              |      |
| Matrix Spike Dup (AD63154-MSD1)     | Sour   | ce: 16D085         | 7-01  | Prepared &     | Analyzed:        | 04/12/16 |                |       |              |      |
| Chloride                            | 16.0   | 0.50               | mg/L  | 11.1           | 4.44             | 104      | 80-120         | 0.216 | 20           |      |
| Nitrate as NO3                      | 27     | 1.0                | mg/L  | 24.7           | ND               | 107      | 80-120         | 0.705 | 20           |      |
| Nitrite as NO2                      | 18.0   | 1.0                | mg/L  | 18.2           | ND               | 97.8     | 80-120         | 0.387 | 20           |      |
| Nitrite as N                        | 5.47   | 0.20               | mg/L  | 5.56           | ND               | 97.5     | 80-120         | 0.387 | 20           |      |
| Nitrate as N                        | 6.00   | 0.20               | mg/L  | 5.56           | ND               | 107      | 80-120         | 0.705 | 20           |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 16:11

#### **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.

T-17 Sample analyzed outside of recommended hold time. Client notified.

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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# Work Order Chain of Custody Record

Lab No. 1600892 Page of

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

| Company/Name:                                                                          |          | Project        | D;         |              |              |       |                                                  |              |         |                    |                        |              | Т          |        |               | Sigr     | nature     | belov          | w aul                  | horize                  | s wo         | rk und  | ier te | ms si          | ated o   | on rev   | rerse side       |                      |                                |
|----------------------------------------------------------------------------------------|----------|----------------|------------|--------------|--------------|-------|--------------------------------------------------|--------------|---------|--------------------|------------------------|--------------|------------|--------|---------------|----------|------------|----------------|------------------------|-------------------------|--------------|---------|--------|----------------|----------|----------|------------------|----------------------|--------------------------------|
| West Bay Sanitary District                                                             |          | }              |            | W            | 'Q           | M     | oni                                              | tor          | ing     | g                  |                        |              | ſ          |        |               |          |            |                |                        | sis F                   |              |         |        | _              |          |          | Sample Notes     | TAT                  |                                |
| Mailing Address:<br>500 Laurel Street<br>Menio Park, CA 94025                          | _        | Project        | No:        |              | Oa           | ık A  | ٩ve                                              | ทน           | e       |                    |                        |              | 7          |        | <u> </u>      | Γ        | Ţ          | /<br>          | T                      | J.                      |              | <br>    |        | Ι              |          |          |                  |                      |                                |
| Project Contact & Email (Hardcopy or PDF John Simonetti jsimonetti@westbaysanitary.org | to):     | PO             | #          |              |              |       |                                                  | -            |         |                    |                        |              |            |        |               | l res    | Sn         |                | Ş                      | بوا                     | ation        |         |        |                |          |          | 3.9.4.0          | 24 hr<br>48 hr       | Lab Approval Required For Rush |
| Phone/Fax:                                                                             |          | Site Cor       |            |              |              |       | ,,                                               | •            |         |                    |                        |              |            | 1      |               | Mg, Na   | Phosphorus |                | 102,1                  | rbona                   | Calculation  |         |        |                |          |          | 0                | Approvel<br>Required | -<br>Require                   |
| Field Sampler - Print Name & Signature                                                 | ŀ        |                |            |              |              |       | Pre                                              |              | vati    | ve                 | Ma                     | atrix        | 7          |        |               | S        |            | gen            | ပ္ပ                    | Bica                    | šted         |         |        |                |          |          |                  | 1 wk                 | levor                          |
| 5c2 7g/s  Sample                                                                       |          | nple<br>ection | П          | П            | Ī            |       |                                                  | Ī            |         | T                  |                        |              | 7          | DU BOD | 돐             | œ.       | Ammonia,   | Total Nitrogen | Chloride, EC, NO2, NO3 | Alkalinity, Bicarbonate | SAR Adjusted | <br>  a |        |                |          |          |                  | 2 wk                 | Lab App                        |
| Identification                                                                         | Date     | Time           | 40ml Vial  | Pol-         | Glass        | Other | 덮                                                |              | Other   | None               | Water                  | Soil         | of Per     |        | на па         | 200.7    | Am         | Tota           | 岩                      | Aľka                    | SAR          | Silica  | TDS    | TSS            |          |          |                  | (standard)           | <u></u>                        |
| Oak Avenue                                                                             | 4/1/16   | C15,00)        | $\prod$    | 4            |              | T     | П                                                | $\neg$       | 1       | _                  | х                      |              | т          |        | x             | х        | х          | x              | x                      | х                       | х            | х       | x      | x              |          |          |                  |                      |                                |
|                                                                                        |          |                | H          | 4            | +            | +     | $\vdash$                                         | +            | +       | ╄                  | Н                      | -            | 4          |        |               |          | _          |                | -                      | <u> </u>                |              | ļ       |        |                |          |          |                  |                      |                                |
| <del></del>                                                                            |          |                | H          | ╅            | -            | +     | H                                                | +            | +       | ╀╴                 | Н                      | $\dashv$     | +          |        |               | _        | ┢          |                | ├                      | ┼-                      | _            | _       | -      | <del>  -</del> | $\Box$   | $\dashv$ |                  |                      |                                |
|                                                                                        |          |                | H          | +            | $\dashv$     | +     | ╁                                                | +            | $^{+}$  | ╁                  | Н                      | Ħ            | $\dashv$   | -      |               |          |            | _              | -                      | $\vdash$                | -            |         |        |                |          | $\dashv$ |                  |                      |                                |
|                                                                                        |          |                | <b>†</b> † | 1            | Ť            | T     | H                                                | $\top$       | Ť       | †                  | П                      | T            | 寸          |        | _             |          | $\vdash$   |                | ┢                      |                         | <u> </u>     | _       |        | -              | _        | $\dashv$ |                  |                      |                                |
|                                                                                        |          |                |            | 1            |              |       |                                                  |              |         |                    |                        |              |            |        |               |          |            |                |                        |                         |              |         |        |                |          |          |                  |                      |                                |
|                                                                                        | <u> </u> |                | П          |              |              |       | П                                                |              |         |                    |                        |              |            |        |               |          |            |                |                        |                         |              |         |        |                |          |          |                  |                      |                                |
|                                                                                        | <u> </u> |                | Ш          | _            | $\downarrow$ | ┸     | Ц                                                | $\perp$      | $\perp$ | 上                  | Ц                      | $\downarrow$ | ↲          |        |               | <u>_</u> |            |                |                        |                         |              |         |        |                |          |          |                  |                      |                                |
|                                                                                        | <u> </u> |                | $\sqcup$   | 4            | _            | 1     | $\coprod$                                        | $\downarrow$ | $\bot$  | $oldsymbol{\perp}$ | Ц                      |              | ┙          | _      |               |          |            |                |                        | <u> </u>                |              |         |        |                |          |          |                  |                      |                                |
|                                                                                        | <u> </u> |                | ╀┤         | $\downarrow$ | 4            | ╀     | Ш                                                | $\downarrow$ | _       | ↓                  | Ц                      | _            | 4          |        |               |          | _          |                |                        | <u> </u>                | _            |         | L_     |                |          | _        |                  |                      |                                |
|                                                                                        | }        |                | ╂          | 4            | +            | +     | ┞┤                                               | +            | +       | ╀                  | Н                      | 4            | 4          |        |               | -        |            |                | _                      | ļ                       |              | _       | L      |                |          | _        |                  |                      |                                |
|                                                                                        | +        |                | ╂╢         | $\downarrow$ | +            | +     | H                                                | +            | +       | +                  | $\left  \cdot \right $ | +            | +          |        |               |          |            |                | _                      | -                       |              | _       |        |                | $\dashv$ | {        |                  |                      |                                |
| Relinquished by:                                                                       | /        | Received       | X.         |              |              |       | <del>                                     </del> | <u> </u>     |         |                    |                        |              | Date       |        | <i>م</i> ا)   | Time     | 3 6        |                | CD                     | PH                      | Writ         | e O     | n EC   | LLI<br>DT,R    | epoi     | rt?      | Yes (            | No · (               | $\supset$                      |
| Relinquished by.                                                                       |          | Received       | l by       |              |              | -     |                                                  |              | _       |                    |                        | 1            | Date<br>4/ |        | 9             | Time     |            |                | Sta                    | ate S                   | •            | em      | Ñui    | nbe            | r:       |          |                  |                      | <u>;</u> -                     |
| Relinquished by:                                                                       |          | Receive        | ES.        | _            | P            |       | _                                                |              | _       |                    |                        | _            | Date       |        |               | Time     |            |                | CA                     | Geo                     | _            | cker    | ED     | F Re           | port     |          | Yes 🔾            | No C                 | 5                              |
| Relinquished by:                                                                       | ř        | Received       | by:        |              | Ø            |       |                                                  |              | -       | _                  |                        | 1            | Date       |        | $\overline{}$ | Time     |            |                | Sa                     | mplir<br>obal l         |              | om      | pany   | / Los          |          | _        | (Email Address): | <del>_</del>         | $\dashv$                       |
| Relinquished by:                                                                       | -        | Received       | by:        |              |              |       |                                                  |              |         |                    |                        | t            | Date       |        |               | Time     |            |                |                        | vel ar                  |              | le Tir  | ne:    | Milea          |          |          | Misc. Supplies:  |                      | $\dashv$                       |
| <del></del>                                                                            |          | Ь—             |            |              |              |       |                                                  | _            |         |                    |                        |              |            |        |               |          |            |                | L                      |                         |              |         |        | L              |          |          |                  | •                    |                                |



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ELAP Certificates 1551, 2728, and 2922

27 April 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

RE: WQ Monitoring

Work Order: 16D0900

Enclosed are the results of analyses for samples received by the laboratory on 04/11/16 21:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Robbie C. Phillips

Jeanette Popli

Project Manager



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 13:02

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID  | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------|---------------|--------|----------------|----------------|
| Oak Avenue | 16D0900-01    | Water  | 04/11/16 09:00 | 04/11/16 21:15 |



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

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

Reported: 04/27/16 13:02

|                                              | Result        | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method        | Note |
|----------------------------------------------|---------------|-----------------|----------|---------|----------------|-------------------|---------------|------|
| Oak Avenue (16D0900-01)                      |               | Sample Type:    | Water    |         | Sample         | d: 04/11/16 09:00 |               |      |
| Metals by EPA 200 Series Methods             |               |                 |          |         |                |                   |               |      |
| Boron                                        | 0.43 mg/L     | 0.050           | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 14:22    | EPA 200.7     |      |
| Calcium                                      | 35 mg/L       | 1.0             | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 14:22    | EPA 200.7     |      |
| Magnesium                                    | 20 mg/L       | 1.0             | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 14:22    | EPA 200.7     |      |
| Sodium                                       | 50 mg/L       | 1.0             | 1        | AD63405 | 04/19/16 14:08 | 04/26/16 14:22    | EPA 200.7     |      |
| Conventional Chemistry Parameters by APHA    | /EPA Methods  |                 |          |         |                |                   |               |      |
| Ammonia as NH3                               | 66 mg/L       | 0.50            | 1        | AD63386 | 04/19/16 08:43 | 04/19/16 11:25    | SM4500NH3C    |      |
| Bicarbonate                                  | 350 mg/L      | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |      |
| Biochemical Oxygen Demand                    | 240 mg/L      | 5.0             | 1        | AD63375 | 04/13/16 06:00 | 04/18/16 12:00    | SM5210B       |      |
| рН                                           | 7.47 pH Units | 1.68            | 1        | AD63164 | 04/11/16 18:00 | 04/11/16 18:00    | SM4500-H+ B   | T-1  |
| Specific Conductance (EC)                    | 950 umhos/cm  | 20              | 1        | AD63192 | 04/12/16 17:00 | 04/12/16 17:00    | SM2510B       |      |
| <b>Total Dissolved Solids</b>                | 420 mg/L      | 10              | 1        | AD63272 | 04/14/16 13:32 | 04/18/16 12:00    | SM2540C       |      |
| Total Suspended Solids                       | 400 mg/L      | 1.0             | 1        | AD63254 | 04/14/16 15:00 | 04/18/16 10:00    | SM2540D       |      |
| Silica                                       | 21 mg/L       | 2.0             | 2        | AD63291 | 04/20/16 11:30 | 04/20/16 16:00    | SM4500-SiO2 C |      |
| Bicarbonate Alkalinity as CaCO3              | 290 mg/L      | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |      |
| Carbonate Alkalinity as CaCO3                | ND mg/L       | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |      |
| Hydroxide Alkalinity as CaCO3                | ND mg/L       | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |      |
| Total Alkalinity as CaCO3                    | 290 mg/L      | 5.0             | 1        | AD63111 | 04/13/16 08:00 | 04/13/16 17:00    | SM2320B       |      |
| Total Kjeldahl Nitrogen                      | 55 mg/L       | 1.0             | 1        | AD63176 | 04/14/16 06:18 | 04/14/16 14:56    | SM4500-Norg B |      |
| Total Nitrogen                               | 55 mg/L       | 1.0             | 1        | AD63202 | 04/13/16 10:05 | 04/21/16 16:16    | SM4500-N      |      |
| Phosphorus, total                            | 7.6 mg/L      | 2.0             | 5        | AD63470 | 04/21/16 08:30 | 04/21/16 13:58    | SM4500-P E    |      |
| Miscellaneous Physical/Conventional Chemistr | ry Parameters |                 |          |         |                |                   |               |      |
| Sodium Adsorption Ratio-Adj RNa              | 1.94 NA       |                 | 1        | AD63405 | 04/19/16 14:08 | 04/27/16 11:23    | SAR           |      |



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West Bay Sanitary DistrictProject Manager: John Simonetti500 Laurel StreetProject: WQ MonitoringReported:Menlo Park, CA 94025Project Number: Oak Avenue04/27/16 13:02

|                                                    | Result  | Reporting Limit | Dilution | Batch   | Prepared                            | Analyzed          | Method    | Note |
|----------------------------------------------------|---------|-----------------|----------|---------|-------------------------------------|-------------------|-----------|------|
| Oak Avenue (16D0900-01) Anions by EPA Method 300.0 |         | Sample Type:    | : Water  |         | Sample                              | d: 04/11/16 09:00 |           | _    |
| ·                                                  | 52/I    | 12              | 25       | AD62154 | 04/12/16 14:29                      | 04/12/16 14:29    | EPA 300.0 |      |
| Chloride                                           | 53 mg/L | 12              |          |         | * * * * - * * - * * - * * - * * * * | *                 |           |      |
| Nitrate as N                                       | ND mg/L | 0.20            | 1        |         | 04/12/16 14:29                      | 04/12/16 14:29    | EPA 300.0 |      |
| Nitrate as NO3                                     | ND mg/L | 1.0             | 1        | AD63154 | 04/12/16 14:29                      | 04/12/16 14:29    | EPA 300.0 |      |
| Nitrite as N                                       | ND mg/L | 0.20            | 1        | AD63154 | 04/12/16 14:29                      | 04/12/16 14:29    | EPA 300.0 |      |
| Nitrite as NO2                                     | ND mg/L | 1.0             | 1        | AD63154 | 04/12/16 14:29                      | 04/12/16 14:29    | EPA 300.0 |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 13:02

#### 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 AD63405 - Metals Digest |        |            |       |             |             |             |        |       |       |       |
| Blank (AD63405-BLK1)          |        |            |       | Prepared: ( | 04/19/16 Aı | nalyzed: 04 | /21/16 |       |       |       |
| Boron                         | ND     | 0.050      | mg/L  |             |             |             |        |       |       |       |
| Calcium                       | ND     | 1.0        | mg/L  |             |             |             |        |       |       |       |
| Magnesium                     | ND     | 1.0        | mg/L  |             |             |             |        |       |       |       |
| Sodium                        | ND     | 1.0        | mg/L  |             |             |             |        |       |       |       |
| LCS (AD63405-BS1)             |        |            |       | Prepared: ( | 04/19/16 Aı | nalyzed: 04 | /21/16 |       |       |       |
| Boron                         | 0.410  | 0.050      | mg/L  | 0.400       |             | 103         | 85-115 |       |       |       |
| Calcium                       | 7.25   | 1.0        | mg/L  | 8.00        |             | 90.6        | 85-115 |       |       |       |
| Magnesium                     | 7.19   | 1.0        | mg/L  | 8.00        |             | 89.9        | 85-115 |       |       |       |
| Sodium                        | 7.51   | 1.0        | mg/L  | 8.00        |             | 93.9        | 85-115 |       |       |       |
| Duplicate (AD63405-DUP1)      | Sour   | ce: 16D089 | 9-02  | Prepared: ( | 04/19/16 A  | nalyzed: 04 | /21/16 |       |       |       |
| Boron                         | 0.213  | 0.050      | mg/L  |             | 0.204       |             |        | 4.15  | 20    |       |
| Calcium                       | 24.2   | 1.0        | mg/L  |             | 24.4        |             |        | 0.580 | 20    |       |
| Magnesium                     | 1.44   | 1.0        | mg/L  |             | 1.39        |             |        | 3.51  | 20    |       |
| Sodium                        | 329    | 1.0        | mg/L  |             | 346         |             |        | 5.13  | 20    |       |
| Matrix Spike (AD63405-MS1)    | Sour   | ce: 16D089 | 9-02  | Prepared: ( | 04/19/16 A  | nalyzed: 04 | /21/16 |       |       |       |
| Boron                         | 0.606  | 0.050      | mg/L  | 0.400       | 0.204       | 100         | 70-130 |       |       |       |
| Calcium                       | 32.1   | 1.0        | mg/L  | 8.00        | 24.4        | 96.6        | 70-130 |       |       |       |
| Magnesium                     | 8.94   | 1.0        | mg/L  | 8.00        | 1.39        | 94.4        | 70-130 |       |       |       |
| Sodium                        | 336    | 1.0        | mg/L  | 8.00        | 346         | NR          | 70-130 |       |       | QM-4X |
| Matrix Spike (AD63405-MS2)    | Sour   | ce: 16D079 | 1-02  | Prepared: ( | 04/19/16 Aı | nalyzed: 04 | /21/16 |       |       |       |
| Boron                         | 0.403  | 0.050      | mg/L  | 0.400       | ND          | 101         | 70-130 |       |       |       |
| Calcium                       | 8.04   | 1.0        | mg/L  | 8.00        | ND          | 95.9        | 70-130 |       |       |       |
| Magnesium                     | 7.72   | 1.0        | mg/L  | 8.00        | ND          | 95.6        | 70-130 |       |       |       |
| Sodium                        | 7.99   | 1.0        | mg/L  | 8.00        | ND          | 98.0        | 70-130 |       |       |       |



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

Project Manager: John Simonetti Project: WQ Monitoring

Project Number: Oak Avenue

Reported: 04/27/16 13:02

## 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 AD63405 - Metals Digest   |        |            |       |             |            |             |        |      |       |       |
| Matrix Spike Dup (AD63405-MSD1) | Sour   | ce: 16D089 | 9-02  | Prepared: ( | 04/19/16 A | nalyzed: 04 | /21/16 |      |       |       |
| Boron                           | 0.570  | 0.050      | mg/L  | 0.400       | 0.204      | 91.6        | 70-130 | 6.01 | 20    |       |
| Calcium                         | 32.5   | 1.0        | mg/L  | 8.00        | 24.4       | 102         | 70-130 | 1.28 | 20    |       |
| Magnesium                       | 8.54   | 1.0        | mg/L  | 8.00        | 1.39       | 89.4        | 70-130 | 4.55 | 20    |       |
| Sodium                          | 347    | 1.0        | mg/L  | 8.00        | 346        | 3.12        | 70-130 | 3.10 | 20    | QM-4X |
|                                 |        |            |       |             |            |             |        |      |       |       |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 13:02

| Analyte(a)                          | D14    | Reporting   | 11       | Spike       | Source      | 0/DEC       | %REC   | DDD   | RPD   | Flag |
|-------------------------------------|--------|-------------|----------|-------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units    | Level       | Result      | %REC        | Limits | RPD   | Limit | Flag |
| Batch AD63111 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| <b>Duplicate (AD63111-DUP1)</b>     | Sou    | rce: 16D086 | 5-01     | Prepared &  | Analyzed    | 04/13/16    |        |       |       |      |
| Bicarbonate                         | 26.8   | 5.0         | mg/L     |             | 26.8        |             |        | 0.00  | 20    |      |
| Bicarbonate Alkalinity as CaCO3     | 22.0   | 5.0         | mg/L     |             | 22.0        |             |        | 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    |      |
| Total Alkalinity as CaCO3           | 22.0   | 5.0         | mg/L     |             | 22.0        |             |        | 0.00  | 20    |      |
| Batch AD63164 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Duplicate (AD63164-DUP1)            | Sou    | rce: 16D079 | 4-01     | Prepared &  | Analyzed    | 04/11/16    |        |       |       |      |
| pH                                  | 7.43   | 1.68        | pH Units |             | 7.46        |             |        | 0.403 | 20    |      |
| Batch AD63176 - General Prep        |        |             |          |             |             |             |        |       |       |      |
| LCS (AD63176-BS1)                   |        |             |          | Prepared: ( | 04/13/16 A  | nalyzed: 04 | /14/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0         | mg/L     | 2.98        |             | 99.0        | 80-120 |       |       |      |
| LCS Dup (AD63176-BSD1)              |        |             |          | Prepared: ( | 04/13/16 A  | nalyzed: 04 | /14/16 |       |       |      |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0         | mg/L     | 2.98        |             | 99.0        | 80-120 | 0.00  | 20    |      |
| Matrix Spike (AD63176-MS1)          | Sou    | rce: 16D090 | 0-01     | Prepared &  | : Analyzed: | 04/14/16    |        |       |       |      |
| Total Kjeldahl Nitrogen             | 82.7   | 1.0         | mg/L     | 22.6        | 55.3        | 121         | 75-125 |       |       |      |
| Matrix Spike Dup (AD63176-MSD1)     | Sou    | rce: 16D090 | 0-01     | Prepared &  | . Analyzed: | 04/14/16    |        |       |       |      |
| Total Kjeldahl Nitrogen             | 82.7   | 1.0         | mg/L     | 22.6        | 55.3        | 121         | 75-125 | 0.00  | 20    |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 13:02

| 1.1.0                               | D. It  | Reporting    | ** **    | Spike       | Source     | A/DEC       | %REC   | DDD   | RPD   | Ela- |
|-------------------------------------|--------|--------------|----------|-------------|------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit        | Units    | Level       | Result     | %REC        | Limits | RPD   | Limit | Flag |
| Batch AD63192 - General Preparation |        |              |          |             |            |             |        |       |       |      |
| Duplicate (AD63192-DUP1)            | Sou    | ırce: 16D097 | 7-01     | Prepared &  | k Analyzed | : 04/12/16  |        |       |       |      |
| Specific Conductance (EC)           | 153    | 20           | umhos/cm |             | 152        |             |        | 0.656 | 5     |      |
| Batch AD63254 - General Preparation |        |              |          |             |            |             |        |       |       |      |
| Blank (AD63254-BLK1)                |        |              |          | Prepared: ( | 04/14/16 A | nalyzed: 04 | /18/16 |       |       |      |
| Total Suspended Solids              | ND     | 1.0          | mg/L     |             |            |             |        |       |       |      |
| Duplicate (AD63254-DUP1)            | Sou    | ırce: 16D088 | 9-01     | Prepared: ( | 04/14/16 A | nalyzed: 04 | /18/16 |       |       |      |
| Total Suspended Solids              | 230    | 1.0          | mg/L     | -           | 264        | -           |        | 13.8  | 30    |      |
| Duplicate (AD63254-DUP2)            | Sou    | ırce: 16D089 | 2-01     | Prepared: ( | 04/14/16 A | nalyzed: 04 | /18/16 |       |       |      |
| Total Suspended Solids              | 228    | 1.0          | mg/L     |             | 218        |             |        | 4.48  | 30    |      |
| Batch AD63272 - General Preparation |        |              |          |             |            |             |        |       |       |      |
| Blank (AD63272-BLK1)                |        |              |          | Prepared: ( | 04/14/16 A | nalyzed: 04 | /18/16 |       |       |      |
| Total Dissolved Solids              | ND     | 10           | mg/L     |             |            |             |        |       |       |      |
| Duplicate (AD63272-DUP1)            | Sou    | ırce: 16D102 | 5-01     | Prepared: ( | 04/14/16 A | nalyzed: 04 | /18/16 |       |       |      |
| Total Dissolved Solids              | 1420   | 10           | mg/L     |             | 1430       |             |        | 0.560 | 15    |      |
| Duplicate (AD63272-DUP2)            | Sou    | ırce: 16D118 | 3-01     | Prepared: ( | 04/14/16 A | nalyzed: 04 | /18/16 |       |       |      |
| Total Dissolved Solids              | 331    | 10           | mg/L     |             | 356        |             |        | 7.28  | 15    |      |
| Batch AD63291 - General Preparation |        |              |          |             |            |             |        |       |       |      |
| Blank (AD63291-BLK1)                |        |              |          | Prepared &  | & Analyzed | : 04/20/16  |        |       |       |      |
| Silica                              | ND     | 1.0          | mg/L     |             |            |             |        |       |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 13:02

| ·                                   |        | Reporting   |       | Spike       | Source      |             | %REC    | ·     | RPD   |      |
|-------------------------------------|--------|-------------|-------|-------------|-------------|-------------|---------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units | Level       | Result      | %REC        | Limits  | RPD   | Limit | Flag |
| Batch AD63291 - General Preparation |        |             |       |             |             |             |         |       |       |      |
| LCS (AD63291-BS1)                   |        |             |       | Prepared &  | Analyzed:   | 04/20/16    |         |       |       |      |
| Silica                              | 10.6   | 1.0         | mg/L  | 10.0        |             | 106         | 85-115  |       |       |      |
| LCS Dup (AD63291-BSD1)              |        |             |       | Prepared &  | α Analyzed: | 04/20/16    |         |       |       |      |
| Silica                              | 11.0   | 1.0         | mg/L  | 10.0        |             | 110         | 85-115  | 4.17  | 20    |      |
| Duplicate (AD63291-DUP1)            | Sou    | rce: 16D143 | 1-01  | Prepared &  | Analyzed:   | 04/20/16    |         |       |       |      |
| Silica                              | 15.8   | 2.0         | mg/L  |             | 15.7        |             |         | 0.518 | 20    |      |
| Matrix Spike (AD63291-MS1)          | Sou    | rce: 16D143 | 1-01  | Prepared &  | Analyzed:   | 04/20/16    |         |       |       |      |
| Silica                              | 33.2   | 2.0         | mg/L  | 20.0        | 15.7        | 87.1        | 80-120  |       |       |      |
| Matrix Spike Dup (AD63291-MSD1)     | Sou    | rce: 16D143 | 1-01  | Prepared &  | α Analyzed: | 04/20/16    |         |       |       |      |
| Silica                              | 34.7   | 2.0         | mg/L  | 20.0        | 15.7        | 94.9        | 80-120  | 4.58  | 20    |      |
| Batch AD63375 - General Preparation |        |             |       |             |             |             |         |       |       |      |
| Blank (AD63375-BLK1)                |        |             |       | Prepared: ( | 04/13/16 A  | nalyzed: 04 | -/18/16 |       |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0         | mg/L  |             |             |             |         |       |       |      |
| Blank (AD63375-BLK2)                |        |             |       | Prepared: ( | 04/13/16 A  | nalyzed: 04 | /18/16  |       |       |      |
| Biochemical Oxygen Demand           | ND     | 5.0         | mg/L  | •           |             |             |         |       |       |      |
| LCS (AD63375-BS1)                   |        |             |       | Prepared: ( | 04/12/16 A  | nalyzed: 04 | /17/16  |       |       |      |
| Biochemical Oxygen Demand           | 186    | 5.0         | mg/L  | 200         |             | 92.8        | 84-115  |       |       |      |
| Duplicate (AD63375-DUP1)            | Sou    | rce: 16D104 | 8-01  | Prepared: ( | 04/13/16 A  | nalyzed: 04 | /18/16  |       |       |      |
| Biochemical Oxygen Demand           | 370    | 5.0         | mg/L  |             | 356         |             |         | 3.86  | 30    |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 13:02

|                                     |        | Reporting    |       | Spike       | Source      |             | %REC   |       | RPD   |      |
|-------------------------------------|--------|--------------|-------|-------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit        | Units | Level       | Result      | %REC        | Limits | RPD   | Limit | Flag |
| Batch AD63386 - General Preparation |        |              |       |             |             |             |        |       |       |      |
| Blank (AD63386-BLK1)                |        |              |       | Prepared &  | Analyzed:   | 04/19/16    |        |       |       |      |
| Ammonia as NH3                      | ND     | 0.50         | mg/L  |             |             |             |        |       |       |      |
| Blank (AD63386-BLK2)                |        |              |       | Prepared &  | & Analyzed: | 04/19/16    |        |       |       |      |
| Ammonia as NH3                      | ND     | 0.50         | mg/L  |             |             |             |        |       |       |      |
| LCS (AD63386-BS1)                   |        |              |       | Prepared &  | & Analyzed: | 04/19/16    |        |       |       |      |
| Ammonia as NH3                      | 5.85   | 0.50         | mg/L  | 6.10        |             | 96.0        | 90-110 |       |       |      |
| LCS Dup (AD63386-BSD1)              |        |              |       | Prepared &  | & Analyzed: | 04/19/16    |        |       |       |      |
| Ammonia as NH3                      | 5.96   | 0.50         | mg/L  | 6.10        |             | 97.7        | 90-110 | 1.81  | 10    |      |
| Matrix Spike (AD63386-MS1)          | Soi    | ırce: 16D095 | 8-02  | Prepared: ( | 04/19/16 A  | nalyzed: 04 | /20/16 |       |       |      |
| Ammonia as NH3                      | 11.9   | 0.50         | mg/L  | 12.2        | ND          | 97.7        | 85-115 |       |       |      |
| Matrix Spike Dup (AD63386-MSD1)     | Soi    | ırce: 16D095 | 8-02  | Prepared: ( | 04/19/16 A  | nalyzed: 04 | /20/16 |       |       |      |
| Ammonia as NH3                      | 11.5   | 0.50         | mg/L  | 12.2        | ND          | 94.2        | 85-115 | 3.64  | 20    |      |
| Batch AD63470 - General Prep        |        |              |       |             |             |             |        |       |       |      |
| Blank (AD63470-BLK1)                |        |              |       | Prepared &  | & Analyzed: | 04/21/16    |        |       |       |      |
| Phosphorus, total                   | ND     | 0.040        | mg/L  | •           |             |             |        |       |       |      |
| LCS (AD63470-BS1)                   |        |              |       | Prepared &  | k Analyzed: | 04/21/16    |        |       |       |      |
| Phosphorus, total                   | 0.199  | 0.040        | mg/L  | 0.200       |             | 99.6        | 85-115 |       |       |      |
| Duplicate (AD63470-DUP1)            | Soi    | ırce: 16D088 | 9-01  | Prepared &  | k Analyzed: | 04/21/16    |        |       |       |      |
| Phosphorus, total                   | 9.03   | 2.0          | mg/L  | -           | 9.10        |             |        | 0.734 | 20    |      |



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

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

Reported: 04/27/16 13:02

| Analyte(s)                      | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD   | RPD<br>Limit | Flag  |
|---------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|-------|--------------|-------|
| Batch AD63470 - General Prep    |        |                    |       |                |                  |          |                |       |              |       |
| Matrix Spike (AD63470-MS1)      | Sour   | ce: 16D088         | 9-01  | Prepared &     | k Analyzed:      | 04/21/16 |                |       |              |       |
| Phosphorus, total               | 10.4   | 2.0                | mg/L  | 2.00           | 9.10             | 66.5     | 70-130         |       |              | QM-4X |
| Matrix Spike Dup (AD63470-MSD1) | Sour   | ce: 16D088         | 9-01  | Prepared &     | k Analyzed:      | 04/21/16 |                |       |              |       |
| Phosphorus, total               | 10.4   | 2.0                | mg/L  | 2.00           | 9.10             | 63.2     | 70-130         | 0.640 | 20           | QM-4X |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 13:02

## 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 AD63154 - General Preparation |        |             |       |            |           |          |        |       |       |      |
| Blank (AD63154-BLK1)                |        |             |       | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Chloride                            | ND     | 0.50        | mg/L  |            |           |          |        |       |       |      |
| Nitrite as NO2                      | ND     | 1.0         | 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  |            |           |          |        |       |       |      |
| LCS (AD63154-BS1)                   |        |             |       | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Chloride                            | 11.4   | 0.50        | mg/L  | 11.1       |           | 102      | 90-110 |       |       |      |
| Nitrite as NO2                      | 17.3   | 1.0         | mg/L  | 18.2       |           | 95.1     | 90-110 |       |       |      |
| Nitrate as NO3                      | 25     | 1.0         | mg/L  | 24.7       |           | 103      | 90-110 |       |       |      |
| Nitrate as N                        | 5.71   | 0.20        | mg/L  | 5.56       |           | 103      | 90-110 |       |       |      |
| Nitrite as N                        | 5.27   | 0.20        | mg/L  | 5.56       |           | 94.8     | 90-110 |       |       |      |
| Duplicate (AD63154-DUP1)            | Sou    | rce: 16D085 | 7-01  | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Nitrate as NO3                      | ND     | 1.0         | mg/L  |            | ND        |          |        | 14.5  | 20    |      |
| Chloride                            | 4.42   | 0.50        | mg/L  |            | 4.44      |          |        | 0.361 | 20    |      |
| Nitrate as N                        | ND     | 0.20        | mg/L  |            | ND        |          |        | 14.5  | 20    |      |
| Nitrite as NO2                      | ND     | 1.0         | mg/L  |            | ND        |          |        |       | 20    |      |
| Nitrite as N                        | ND     | 0.20        | mg/L  |            | ND        |          |        |       | 20    |      |
| Matrix Spike (AD63154-MS1)          | Sou    | rce: 16D085 | 7-01  | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Chloride                            | 15.9   | 0.50        | mg/L  | 11.1       | 4.44      | 103      | 80-120 |       |       |      |
| Nitrate as NO3                      | 26     | 1.0         | mg/L  | 24.7       | ND        | 106      | 80-120 |       |       |      |
| Nitrate as N                        | 5.96   | 0.20        | mg/L  | 5.56       | ND        | 106      | 80-120 |       |       |      |
| Nitrite as N                        | 5.45   | 0.20        | mg/L  | 5.56       | ND        | 97.1     | 80-120 |       |       |      |
| Nitrite as NO2                      | 17.9   | 1.0         | mg/L  | 18.2       | ND        | 97.4     | 80-120 |       |       |      |
| Matrix Spike (AD63154-MS2)          | Sou    | rce: 16D087 | 5-01  | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Chloride                            | 91.3   | 5.0         | mg/L  | 11.1       | 80.5      | 96.9     | 80-120 |       |       |      |
| Nitrate as NO3                      | 26     | 10          | mg/L  | 24.7       | ND        | 86.2     | 80-120 |       |       |      |
| Nitrate as N                        | 5.87   | 2.0         | mg/L  | 5.56       | ND        | 86.4     | 80-120 |       |       |      |
| Nitrite as NO2                      | 15.3   | 10          | mg/L  | 18.2       | ND        | 83.9     | 80-120 |       |       |      |
| Nitrite as N                        | 4.64   | 2.0         | mg/L  | 5.56       | ND        | 83.6     | 80-120 |       |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/27/16 13:02

#### 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 |
| atch AD63154 - General Preparation |        |            |       |            |           |          |        |       |       |      |
| Matrix Spike Dup (AD63154-MSD1)    | Sour   | ce: 16D085 | 7-01  | Prepared & | Analyzed: | 04/12/16 |        |       |       |      |
| Chloride                           | 16.0   | 0.50       | mg/L  | 11.1       | 4.44      | 104      | 80-120 | 0.216 | 20    |      |
| Nitrate as NO3                     | 27     | 1.0        | mg/L  | 24.7       | ND        | 107      | 80-120 | 0.705 | 20    |      |
| Nitrite as NO2                     | 18.0   | 1.0        | mg/L  | 18.2       | ND        | 97.8     | 80-120 | 0.387 | 20    |      |
| Nitrite as N                       | 5.47   | 0.20       | mg/L  | 5.56       | ND        | 97.5     | 80-120 | 0.387 | 20    |      |
| Nitrate as N                       | 6.00   | 0.20       | mg/L  | 5.56       | ND        | 107      | 80-120 | 0.705 | 20    |      |



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West Bay Sanitary District 500 Laurel Street

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

Reported: 04/27/16 13:02

Menlo Park, CA 94025

#### **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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# **Work Order Chain of Custody Record**

Lab No. 1670900 Page of

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

| Company/Name:                                                                                  |                                                  | Project ID                                       | );         |          |          |          |                                                  |           |                  |           |           |        |                  |                                                  | Sign                                             | ature        | pelov                                            | auth                   | onze                    | WOI                      | ( una                                            | er ter       | ns st    | ated t   | on rev                                           | erse side.          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|------------|----------|----------|----------|--------------------------------------------------|-----------|------------------|-----------|-----------|--------|------------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|------------------------|-------------------------|--------------------------|--------------------------------------------------|--------------|----------|----------|--------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| West Bay Sanitary District                                                                     |                                                  |                                                  |            | W        | Q N      | lor      | nito                                             | ori       | ng               |           |           |        |                  |                                                  |                                                  |              | An                                               | alys                   | is R                    | equ                      | est                                              |              |          |          |                                                  | Sample Notes        | TAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Malling Address:<br>500 Laurel Street<br>Menlo Park, CA 94025                                  |                                                  | Project N                                        | o;         | (        | Dak      | Αv       | ⁄en                                              | ue        | :<br>            |           |           |        |                  |                                                  |                                                  |              |                                                  |                        |                         |                          |                                                  |              |          |          |                                                  |                     | 24 hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Project Contact & Email (Hardcopy or PDF t<br>John Simonetti<br>jsimonetti@westbaysanitary.org | o):<br>                                          | PO#                                              |            |          |          |          |                                                  |           |                  |           |           |        |                  |                                                  | ā                                                | เนร          |                                                  | Chloride, EC, NO2, NO3 | ate                     | ulation                  |                                                  |              |          |          |                                                  | 3-9                 | 7 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK  1 WK |
| Phone/Fax:                                                                                     |                                                  | Site Cont                                        |            |          | <u> </u> | a.       | _IJ                                              | <u>.</u>  |                  |           |           |        |                  |                                                  | Ca, Mg, Na                                       | Phosphorus   | ا ا                                              | NO2,                   | arbona                  | Calc                     |                                                  |              |          |          |                                                  | 4.6                 | Required &                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Field Sampler - Print Name & Signature                                                         |                                                  |                                                  |            |          | aine     |          |                                                  |           | ative            | M         | iatr      | ix     |                  |                                                  |                                                  | P            | oger                                             | Ľ.                     | Big                     | stec                     |                                                  |              |          |          |                                                  |                     | O young                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sample                                                                                         |                                                  | nple<br>ection                                   | Visl       |          | , le     |          | 3                                                | 4         |                  |           |           | ٔ ا    | aoa na           | Pd Dd                                            | 200.7 - B,                                       | Ammonia,     | ta! Nitro                                        | loride,                | Alkalinity, Bicarbonate | SAR Adjusted Calculation | Silica                                           | ဖွ           | တ        |          |                                                  | ,                   | 2 wk (standard)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Identification                                                                                 | Date                                             | Time                                             | 40ml Vial  | P S      | Sleeve   |          | HNO3                                             | H2SO4     | _                | _         | _         | ö      | <u> </u>         | ם                                                | 20                                               | A            | £                                                |                        | ₹                       | Š                        | Sil                                              | TDS          | TSS      |          |                                                  |                     | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Oak Avenue                                                                                     | 411_                                             | 0090                                             | Ц          | 4        | -        | 4        | 1                                                | 1 1       |                  | 2 x       | +         | igapha | ×                | X_                                               | x                                                |              | x                                                | ×_                     | x                       | x                        | x                                                | x            | x        |          | _                                                |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                | <u> </u>                                         | <b>-</b>                                         | $\vdash$   | +        | +        |          | +                                                | ╀         | ╀                | -}-       | +         | ╀      | -                | ┢                                                | -                                                | <u> </u>     |                                                  |                        |                         | -                        |                                                  |              |          | ├        | $\vdash$                                         |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                | <u> </u>                                         | <del> </del> -                                   | ╂┼         | +        | ╂┤       | +        | +                                                | ╁         | ╁┼               | +         | ╁         | ╁      | ╂                | ┢                                                | ┢                                                | ╁─           |                                                  | ┢╌                     |                         |                          |                                                  |              | _        | <u> </u> | $\vdash$                                         | 1                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                |                                                  | <del> </del>                                     | -          | +        | +        | ╅        | +                                                | ╁         | $\vdash$         | ╁         | +         | +      | -                | $\vdash$                                         | ┢                                                | -            |                                                  | ┢                      |                         |                          |                                                  | $\vdash$     |          | 1        |                                                  | 1                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                | <del>                                     </del> | <del>                                     </del> | ╂┤         | $\dashv$ | ┨        | $\dashv$ | +                                                | ╁         | ++               | $\dagger$ | $\dagger$ | ╁      | 1                | ┢                                                | ┼-                                               |              |                                                  | 1                      | -                       |                          | $\vdash$                                         | t            | t        |          | $\vdash$                                         |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                | <del> </del> -                                   | <del>                                     </del> | ╂╌┼        | +        | ╁        | +        | +                                                | 十         | ╂╅               | +         | ╅         | ╁╴     |                  | 1                                                | <del>  -</del>                                   | $\dagger$    |                                                  | ┢                      |                         |                          | <del>                                     </del> | T            |          |          | $\vdash$                                         | 1                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                | <del>                                     </del> | ├──                                              | H          | 十        | ╁╌       | -        | +                                                | ╁         | +                | +         | $\dagger$ | ╁      | t                | 十                                                | <del>                                     </del> | †            | $\vdash$                                         | ├-                     |                         | T                        | -                                                | $\vdash$     |          |          | T                                                |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                |                                                  | ╁                                                | ╂┤         | $\vdash$ | ╁        | -        | $\dagger$                                        | $\dagger$ | +-+              | T         | +         | +-     | ╁                | T                                                | † -                                              | †            | T                                                |                        | -                       | 1                        | <del>                                     </del> | 十一           |          | t        |                                                  |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                | }                                                | ╁                                                | ╂┤         | $\dashv$ | +        | $\dashv$ | +                                                | +         | $\vdash$         | +         | ╁         | +      | t                | <del>                                     </del> |                                                  | $\dagger$    | <u> </u>                                         | H                      | $\vdash$                | <u> </u>                 |                                                  | 一            | ┞        | 1-       | T                                                | 1                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                |                                                  | <del> </del>                                     | ╂┤         | +        | +        | $\dashv$ | +                                                | ╁         | $\dagger\dagger$ | ╅         | +         | 十      | 1                | ╁                                                | †-                                               | T            |                                                  | $\vdash$               | -                       | <u> </u>                 | t                                                |              | $\vdash$ | t        | 1                                                | j                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                |                                                  | <del> </del>                                     | $\vdash$   | +        | +        | -        | 十                                                | +         | ╁                | +         | +         | 十      | ┢                | ╁╌                                               | ╁                                                | +            | <del>                                     </del> |                        | ┪                       |                          | <u> </u>                                         | <del> </del> |          |          | <del>                                     </del> | 1                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                | <del> </del>                                     | <del> </del>                                     | Н          | +        | +        | ╌╂       | ╁                                                | +         | ╂╂               | +         | ╁         | ╅      | 1                | $\vdash$                                         | $t^-$                                            | <del> </del> | ╁                                                | <u> </u>               | ┞                       | $\vdash$                 | ╁                                                | $\vdash$     | †        | † –      |                                                  | 1                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                |                                                  | $\leftarrow$                                     | H          | -        | ≯        | Ħ        | +                                                | 十         | $\forall$        | +         | ╁         | +      | ╁╌               | $\vdash$                                         | +                                                | +            | <u> </u>                                         | t                      | ╁╴                      | $\vdash$                 | t –                                              | T            | $\vdash$ | t        | 1                                                | 1                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Relinquished by                                                                                | 1-(-                                             | Received                                         |            |          | 4        |          | <del>)                                    </del> | <u> </u>  | <u>.l .l</u>     | _         |           | Da     |                  | ـــــــــــــــــــــــــــــــــــــ            | Tim                                              | 3(           | ب<br>حو                                          | CD                     | PH                      | Wri                      | te O                                             | n E          | DT I     | Rep      | ort?                                             | Yes                 | No O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Relinguished by:                                                                               |                                                  | Receive                                          | ر<br>d by: |          |          |          |                                                  |           |                  |           |           | Dá     | ()<br>ate<br>4// |                                                  | Tim                                              |              |                                                  | Sta                    | ate                     | Sys                      | tem                                              | Nu           | ımbı     | er:      |                                                  |                     | <del>.</del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Retiriquisited by:                                                                             |                                                  | Receive                                          | f by:      |          | #        |          | <u> </u>                                         | _         |                  |           |           | Da     | 7/<br>7/1        |                                                  | Tim                                              |              |                                                  | CA                     | Ge                      | otra                     | cke                                              | r EC         | F R      | epo      | rt                                               | , Yes               | No O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Relinquished by:                                                                               |                                                  | Receive                                          | d by:      |          | <u> </u> |          | _                                                |           |                  |           |           |        | 部                |                                                  | Tim                                              |              |                                                  | <b>1</b> Sa            | mpi<br>obal             | _                        | Com                                              | раг          | ıy Lo    | g C      | ode<br>EDF                                       | to (Email Address): | <del></del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Relinquished by:                                                                               | <u> </u>                                         | Receive                                          | d by:      |          |          |          |                                                  |           |                  |           |           | D:     | ate              | _                                                | Tin                                              |              |                                                  |                        |                         | nd S                     |                                                  | ime:         | Mile     | eage     | r;                                               | Misc. Supplies:     | <del></del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                |                                                  |                                                  |            |          |          |          |                                                  |           |                  |           |           |        |                  |                                                  |                                                  |              |                                                  | <u> </u>               |                         |                          |                                                  |              |          | <u></u>  |                                                  |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



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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

28 April 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

RE: WQ Monitoring

Work Order: 16D1048

Enclosed are the results of analyses for samples received by the laboratory on 04/12/16 21:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Robbie C. Phillips

Jeanette Popli

Project Manager



e-mail: clientservices@alpha-labs.com

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

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

Reported: 04/28/16 09:21

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID  | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------|---------------|--------|----------------|----------------|
| Oak Avenue | 16D1048-01    | Water  | 04/12/16 09:00 | 04/12/16 21:40 |



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

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

Reported: 04/28/16 09:21

|                                             | Result        | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method        | Note |
|---------------------------------------------|---------------|-----------------|----------|---------|----------------|-------------------|---------------|------|
| Oak Avenue (16D1048-01)                     |               | Sample Type:    | Water    |         | Sample         | d: 04/12/16 09:00 |               |      |
| Metals by EPA 200 Series Methods            |               |                 |          |         |                |                   |               |      |
| Boron                                       | 0.39 mg/L     | 0.050           | 1        | AD63459 | 04/20/16 14:44 | 04/27/16 15:09    | EPA 200.7     |      |
| Calcium                                     | 44 mg/L       | 1.0             | 1        | AD63459 | 04/20/16 14:44 | 04/27/16 15:09    | EPA 200.7     |      |
| Magnesium                                   | 23 mg/L       | 1.0             | 1        | AD63459 | 04/20/16 14:44 | 04/27/16 15:09    | EPA 200.7     |      |
| Sodium                                      | 91 mg/L       | 1.0             | 1        | AD63459 | 04/20/16 14:44 | 04/27/16 15:09    | EPA 200.7     |      |
| Conventional Chemistry Parameters by APH    | A/EPA Methods |                 |          |         |                |                   |               |      |
| Ammonia as NH3                              | 60 mg/L       | 0.50            | 1        | AD63640 | 04/27/16 08:30 | 04/27/16 16:00    | SM4500NH3C    |      |
| Bicarbonate                                 | 400 mg/L      | 5.0             | 1        | AD63217 | 04/15/16 12:00 | 04/15/16 17:00    | SM2320B       |      |
| Biochemical Oxygen Demand                   | 360 mg/L      | 5.0             | 1        | AD63375 | 04/13/16 06:00 | 04/18/16 12:00    | SM5210B       |      |
| рН                                          | 7.60 pH Units | 1.68            | 1        | AD63210 | 04/12/16 18:40 | 04/12/16 18:40    | SM4500-H+ B   | T-1  |
| Specific Conductance (EC)                   | 1200 umhos/cm | 20              | 1        | AD63350 | 04/13/16 17:00 | 04/18/16 11:16    | SM2510B       |      |
| <b>Total Dissolved Solids</b>               | 600 mg/L      | 10              | 1        | AD63330 | 04/18/16 10:30 | 04/21/16 15:30    | SM2540C       |      |
| <b>Total Suspended Solids</b>               | 780 mg/L      | 1.0             | 1        | AD63254 | 04/14/16 15:00 | 04/18/16 10:00    | SM2540D       |      |
| Silica                                      | 23 mg/L       | 2.0             | 2        | AD63291 | 04/20/16 11:30 | 04/20/16 16:00    | SM4500-SiO2 C |      |
| Bicarbonate Alkalinity as CaCO3             | 330 mg/L      | 5.0             | 1        | AD63217 | 04/15/16 12:00 | 04/15/16 17:00    | SM2320B       |      |
| Carbonate Alkalinity as CaCO3               | ND mg/L       | 5.0             | 1        | AD63217 | 04/15/16 12:00 | 04/15/16 17:00    | SM2320B       |      |
| Hydroxide Alkalinity as CaCO3               | ND mg/L       | 5.0             | 1        | AD63217 | 04/15/16 12:00 | 04/15/16 17:00    | SM2320B       |      |
| Total Alkalinity as CaCO3                   | 330 mg/L      | 5.0             | 1        | AD63217 | 04/15/16 12:00 | 04/15/16 17:00    | SM2320B       |      |
| Total Kjeldahl Nitrogen                     | 62 mg/L       | 1.0             | 1        | AD63416 | 04/21/16 06:29 | 04/21/16 14:26    | SM4500-Norg B |      |
| Total Nitrogen                              | 62 mg/L       | 1.0             | 1        | AD63202 | 04/13/16 10:05 | 04/21/16 16:16    | SM4500-N      |      |
| Phosphorus, total                           | 9.6 mg/L      | 2.0             | 5        | AD63470 | 04/21/16 08:30 | 04/21/16 13:58    | SM4500-P E    |      |
| Miscellaneous Physical/Conventional Chemist | ry Parameters |                 |          |         |                |                   |               |      |
| Sodium Adsorption Ratio-Adj RNa             | 3.31 NA       |                 | 1        | AD63459 | 04/20/16 14:44 | 04/28/16 05:32    | SAR           |      |



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West Bay Sanitary DistrictProject Manager: John Simonetti500 Laurel StreetProject: WQ MonitoringReported:Menlo Park, CA 94025Project Number: Oak Avenue04/28/16 09:21

|                                                    | Result   | Reporting Limit | Dilution | Batch   | Prepared       | Analyzed          | Method    | Note |
|----------------------------------------------------|----------|-----------------|----------|---------|----------------|-------------------|-----------|------|
| Oak Avenue (16D1048-01) Anions by EPA Method 300.0 |          | Sample Type:    | Water    |         | Sampleo        | d: 04/12/16 09:00 |           |      |
| Chloride                                           | 110 mg/L | 12              | 25       | AD63185 | 04/13/16 18:02 | 04/13/16 18:02    | EPA 300.0 |      |
| Nitrate as N                                       | ND mg/L  | 0.20            | 1        | AD63185 | 04/13/16 18:18 | 04/13/16 18:18    | EPA 300.0 |      |
| Nitrate as NO3                                     | ND mg/L  | 1.0             | 1        | AD63185 | 04/13/16 18:18 | 04/13/16 18:18    | EPA 300.0 |      |
| Nitrite as N                                       | ND mg/L  | 0.20            | 1        | AD63185 | 04/13/16 18:18 | 04/13/16 18:18    | EPA 300.0 |      |
| Nitrite as NO2                                     | ND mg/L  | 1.0             | 1        | AD63185 | 04/13/16 14:06 | 04/13/16 14:06    | EPA 300.0 |      |
|                                                    |          |                 |          |         |                |                   |           |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/28/16 09:21

#### Metals by EPA 200 Series Methods - Quality Control

|                               | <b>.</b> | Reporting  | ** *  | Spike       | Source     |             | %REC   | n nn | RPD   | El    |
|-------------------------------|----------|------------|-------|-------------|------------|-------------|--------|------|-------|-------|
| Analyte(s)                    | Result   | Limit      | Units | Level       | Result     | %REC        | Limits | RPD  | Limit | Flag  |
| Batch AD63459 - Metals Digest |          |            |       |             |            |             |        |      |       |       |
| Blank (AD63459-BLK1)          |          |            |       | Prepared: ( | 04/20/16 A | nalyzed: 04 | /21/16 |      |       |       |
| Boron                         | ND       | 0.050      | mg/L  |             |            |             |        |      |       |       |
| Calcium                       | ND       | 1.0        | mg/L  |             |            |             |        |      |       |       |
| Magnesium                     | ND       | 1.0        | mg/L  |             |            |             |        |      |       |       |
| Sodium                        | ND       | 1.0        | mg/L  |             |            |             |        |      |       |       |
| LCS (AD63459-BS1)             |          |            |       | Prepared: ( | 04/20/16 A | nalyzed: 04 | /21/16 |      |       |       |
| Boron                         | 0.360    | 0.050      | mg/L  | 0.400       |            | 90.1        | 85-115 |      |       |       |
| Calcium                       | 7.37     | 1.0        | mg/L  | 8.00        |            | 92.2        | 85-115 |      |       |       |
| Magnesium                     | 7.42     | 1.0        | mg/L  | 8.00        |            | 92.8        | 85-115 |      |       |       |
| Sodium                        | 7.68     | 1.0        | mg/L  | 8.00        |            | 95.9        | 85-115 |      |       |       |
| Duplicate (AD63459-DUP1)      | Sour     | ce: 16D091 | 5-01  | Prepared: ( | 04/20/16 A | nalyzed: 04 | /21/16 |      |       |       |
| Boron                         | 0.148    | 0.050      | mg/L  |             | 0.131      |             |        | 12.2 | 20    |       |
| Calcium                       | 12.5     | 1.0        | mg/L  |             | 12.4       |             |        | 1.45 | 20    |       |
| Magnesium                     | 5.01     | 1.0        | mg/L  |             | 4.94       |             |        | 1.51 | 20    |       |
| Sodium                        | 117      | 1.0        | mg/L  |             | 115        |             |        | 1.27 | 20    |       |
| Matrix Spike (AD63459-MS1)    | Sour     | ce: 16D091 | 5-01  | Prepared: ( | 04/20/16 A | nalyzed: 04 | /21/16 |      |       |       |
| Boron                         | 0.479    | 0.050      | mg/L  | 0.400       | 0.131      | 86.8        | 70-130 |      |       |       |
| Calcium                       | 19.8     | 1.0        | mg/L  | 8.00        | 12.4       | 93.2        | 70-130 |      |       |       |
| Magnesium                     | 11.7     | 1.0        | mg/L  | 8.00        | 4.94       | 84.5        | 70-130 |      |       |       |
| Sodium                        | 120      | 1.0        | mg/L  | 8.00        | 115        | 54.4        | 70-130 |      |       | QM-4X |
| Matrix Spike (AD63459-MS2)    | Sour     | ce: 16D102 | 4-01  | Prepared: ( | 04/20/16 A | nalyzed: 04 | /21/16 |      |       |       |
| Boron                         | 5.07     | 0.050      | mg/L  | 0.400       | 4.71       | 89.9        | 70-130 |      |       |       |
| Calcium                       | 13.3     | 1.0        | mg/L  | 8.00        | 4.71       | 107         | 70-130 |      |       |       |
| Magnesium                     | 8.49     | 1.0        | mg/L  | 8.00        | ND         | 95.4        | 70-130 |      |       |       |
| Sodium                        | 135      | 1.0        | mg/L  | 8.00        | 116        | 234         | 70-130 |      |       | QM-4X |



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

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

Reported: 04/28/16 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 AD63459 - Metals Digest   |        |            |       |             |            |             |        |        |       |      |
| Matrix Spike Dup (AD63459-MSD1) | Sour   | ce: 16D091 | 5-01  | Prepared: ( | 04/20/16 A | nalyzed: 04 | /21/16 |        |       |      |
| Boron                           | 0.479  | 0.050      | mg/L  | 0.400       | 0.131      | 86.9        | 70-130 | 0.0873 | 20    |      |
| Calcium                         | 20.5   | 1.0        | mg/L  | 8.00        | 12.4       | 101         | 70-130 | 3.29   | 20    |      |
| Magnesium                       | 12.4   | 1.0        | mg/L  | 8.00        | 4.94       | 93.5        | 70-130 | 5.95   | 20    |      |
| Sodium                          | 125    | 1.0        | mg/L  | 8.00        | 115        | 122         | 70-130 | 4.42   | 20    |      |
|                                 |        |            |       |             |            |             |        |        |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/28/16 09:21

|                                     |        | Reporting   |          | Spike       | Source      |             | %REC   |       | RPD   |      |
|-------------------------------------|--------|-------------|----------|-------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit       | Units    | Level       | Result      | %REC        | Limits | RPD   | Limit | Flag |
| Batch AD63210 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Duplicate (AD63210-DUP1)            | Sou    | rce: 16D109 | 9-01     | Prepared &  | ረ Analyzed: | 04/12/16    |        |       |       |      |
| рН                                  | 8.48   | 1.68        | pH Units |             | 8.56        |             |        | 0.939 | 20    |      |
| Batch AD63217 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Duplicate (AD63217-DUP1)            | Sou    | rce: 16D109 | 6-05     | Prepared &  | ል Analyzed: | 04/19/16    |        |       |       |      |
| Bicarbonate                         | 537    | 5.0         | mg/L     |             | 531         |             |        | 1.14  | 20    |      |
| Carbonate Alkalinity as CaCO3       | ND     | 5.0         | mg/L     |             | ND          |             |        |       | 20    |      |
| Total Alkalinity as CaCO3           | 440    | 5.0         | mg/L     |             | 435         |             |        | 1.14  | 20    |      |
| Hydroxide Alkalinity as CaCO3       | ND     | 5.0         | mg/L     |             | ND          |             |        |       | 20    |      |
| Bicarbonate Alkalinity as CaCO3     | 440    | 5.0         | mg/L     |             | 435         |             |        | 1.14  | 20    |      |
| Batch AD63254 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Blank (AD63254-BLK1)                |        |             |          | Prepared: ( | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Suspended Solids              | ND     | 1.0         | mg/L     |             |             |             |        |       |       |      |
| Duplicate (AD63254-DUP1)            | Sou    | rce: 16D088 | 9-01     | Prepared: ( | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Suspended Solids              | 230    | 1.0         | mg/L     |             | 264         |             |        | 13.8  | 30    |      |
| Duplicate (AD63254-DUP2)            | Sou    | rce: 16D089 | 2-01     | Prepared: ( | 04/14/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Total Suspended Solids              | 228    | 1.0         | mg/L     |             | 218         |             |        | 4.48  | 30    |      |
| Batch AD63291 - General Preparation |        |             |          |             |             |             |        |       |       |      |
| Blank (AD63291-BLK1)                |        |             |          | Prepared &  | k Analyzed: | 04/20/16    |        |       |       |      |
| Silica                              | ND     | 1.0         | mg/L     |             |             |             |        |       |       |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/28/16 09:21

|                                     |        | Reporting    |          | Spike       | Source      |             | %REC   |       | RPD   |      |
|-------------------------------------|--------|--------------|----------|-------------|-------------|-------------|--------|-------|-------|------|
| Analyte(s)                          | Result | Limit        | Units    | Level       | Result      | %REC        | Limits | RPD   | Limit | Flag |
| Batch AD63291 - General Preparation |        |              |          |             |             |             |        |       |       |      |
| LCS (AD63291-BS1)                   |        |              |          | Prepared &  | ኔ Analyzed: | 04/20/16    |        |       |       |      |
| Silica                              | 10.6   | 1.0          | mg/L     | 10.0        |             | 106         | 85-115 |       |       |      |
| LCS Dup (AD63291-BSD1)              |        |              |          | Prepared &  | k Analyzed: | 04/20/16    |        |       |       |      |
| Silica                              | 11.0   | 1.0          | mg/L     | 10.0        |             | 110         | 85-115 | 4.17  | 20    |      |
| Duplicate (AD63291-DUP1)            | Sou    | ırce: 16D143 | 1-01     | Prepared &  | ኔ Analyzed: | 04/20/16    |        |       |       |      |
| Silica                              | 15.8   | 2.0          | mg/L     |             | 15.7        |             |        | 0.518 | 20    |      |
| Matrix Spike (AD63291-MS1)          | Sou    | rce: 16D143  | 1-01     | Prepared &  | ኔ Analyzed: | 04/20/16    |        |       |       |      |
| Silica                              | 33.2   | 2.0          | mg/L     | 20.0        | 15.7        | 87.1        | 80-120 |       |       |      |
| Matrix Spike Dup (AD63291-MSD1)     | Sou    | rce: 16D143  | 1-01     | Prepared &  | ኔ Analyzed: | 04/20/16    |        |       |       |      |
| Silica                              | 34.7   | 2.0          | mg/L     | 20.0        | 15.7        | 94.9        | 80-120 | 4.58  | 20    |      |
| Batch AD63330 - General Preparation |        |              |          |             |             |             |        |       |       |      |
| Blank (AD63330-BLK1)                |        |              |          | Prepared: ( | 04/18/16 A  | nalyzed: 04 | /21/16 |       |       |      |
| Total Dissolved Solids              | ND     | 10           | mg/L     |             |             |             |        |       |       |      |
| Duplicate (AD63330-DUP1)            | Sou    | ırce: 16D109 | 6-03     | Prepared: ( | 04/18/16 A  | nalyzed: 04 | /21/16 |       |       |      |
| Total Dissolved Solids              | 1780   | 10           | mg/L     |             | 1800        |             |        | 1.56  | 15    |      |
| Duplicate (AD63330-DUP2)            | Sou    | ırce: 16D123 | 9-05     | Prepared: ( | 04/18/16 A  | nalyzed: 04 | /21/16 |       |       |      |
| Total Dissolved Solids              | 1310   | 10           | mg/L     |             | 1300        |             |        | 0.306 | 15    |      |
| Batch AD63350 - General Preparation |        |              |          |             |             |             |        |       |       |      |
| Duplicate (AD63350-DUP1)            | Sou    | rce: 16D1128 | 3-01     | Prepared: ( | 04/13/16 A  | nalyzed: 04 | /18/16 |       |       |      |
| Specific Conductance (EC)           | 322    | 20           | umhos/cm | -           | 320         | -           |        | 0.623 | 5     |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/28/16 09:21

|                                     |        | Reporting    |       | Spike       | Source                        |             | %REC   |      | RPD   |      |  |  |  |  |  |
|-------------------------------------|--------|--------------|-------|-------------|-------------------------------|-------------|--------|------|-------|------|--|--|--|--|--|
| Analyte(s)                          | Result | Limit        | Units | Level       | Result                        | %REC        | Limits | RPD  | Limit | Flag |  |  |  |  |  |
| Batch AD63375 - General Preparation |        |              |       |             |                               |             |        |      |       |      |  |  |  |  |  |
| Blank (AD63375-BLK1)                |        |              |       | Prepared: ( | 04/13/16 A                    | nalyzed: 04 | /18/16 |      |       |      |  |  |  |  |  |
| Biochemical Oxygen Demand           | ND     | 5.0          | mg/L  |             |                               |             |        |      |       |      |  |  |  |  |  |
| Blank (AD63375-BLK2)                |        |              |       | Prepared: ( | 04/13/16 A                    | nalyzed: 04 | /18/16 |      |       |      |  |  |  |  |  |
| Biochemical Oxygen Demand           | ND     | 5.0          | mg/L  |             |                               |             |        |      |       |      |  |  |  |  |  |
| LCS (AD63375-BS1)                   |        |              |       | Prepared: ( | 04/12/16 A                    | nalyzed: 04 | /17/16 |      |       |      |  |  |  |  |  |
| Biochemical Oxygen Demand           | 186    | 5.0          | mg/L  | 200         |                               | 92.8        | 84-115 |      |       |      |  |  |  |  |  |
| Duplicate (AD63375-DUP1)            | Soi    | urce: 16D104 | 8-01  | Prepared: ( | 04/13/16 A                    | nalyzed: 04 | /18/16 |      |       |      |  |  |  |  |  |
| Biochemical Oxygen Demand           | 370    | 5.0          | mg/L  |             | 356                           |             |        | 3.86 | 30    |      |  |  |  |  |  |
| Batch AD63416 - General Prep        |        |              |       |             |                               |             |        |      |       |      |  |  |  |  |  |
| LCS (AD63416-BS1)                   |        |              |       | Prepared: ( | 04/20/16 A                    | nalyzed: 04 | /21/16 |      |       |      |  |  |  |  |  |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0          | mg/L  | 2.98        |                               | 99.0        | 80-120 |      |       |      |  |  |  |  |  |
| LCS Dup (AD63416-BSD1)              |        |              |       | Prepared: ( | 04/20/16 A                    | nalyzed: 04 | /21/16 |      |       |      |  |  |  |  |  |
| Total Kjeldahl Nitrogen             | 2.95   | 1.0          | mg/L  | 2.98        |                               | 99.0        | 80-120 | 0.00 | 20    |      |  |  |  |  |  |
| Matrix Spike (AD63416-MS1)          | Soi    | urce: 16D150 | 3-01  | Prepared: ( | 04/20/16 A                    | nalyzed: 04 | /21/16 |      |       |      |  |  |  |  |  |
| Total Kjeldahl Nitrogen             | 53.9   | 1.0          | mg/L  | 22.6        | 32.9                          | 92.8        | 75-125 |      |       |      |  |  |  |  |  |
| Matrix Spike Dup (AD63416-MSD1)     | Soi    | urce: 16D150 | 3-01  | Prepared: ( | 04/20/16 A                    | nalyzed: 04 | /21/16 |      |       |      |  |  |  |  |  |
| Total Kjeldahl Nitrogen             | 53.9   | 1.0          | mg/L  | 22.6        | 32.9                          | 92.8        | 75-125 | 0.00 | 20    |      |  |  |  |  |  |
| Batch AD63470 - General Prep        |        |              |       |             |                               |             |        |      |       |      |  |  |  |  |  |
| Blank (AD63470-BLK1)                |        |              |       | Prepared &  | Prepared & Analyzed: 04/21/16 |             |        |      |       |      |  |  |  |  |  |
| Phosphorus, total                   | ND     | 0.040        | mg/L  | •           |                               |             |        |      |       |      |  |  |  |  |  |



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Reported: 04/28/16 09:21

|                                     |        | Reporting  |            | Spike      | Source     |            | %REC   |       | RPD   |       |
|-------------------------------------|--------|------------|------------|------------|------------|------------|--------|-------|-------|-------|
| Analyte(s)                          | Result | Limit      | Units      | Level      | Result     | %REC       | Limits | RPD   | Limit | Flag  |
| Batch AD63470 - General Prep        |        |            |            |            |            |            |        |       |       |       |
| LCS (AD63470-BS1)                   |        |            |            | Prepared & | k Analyzed | 04/21/16   |        |       |       |       |
| Phosphorus, total                   | 0.199  | 0.040      | mg/L       | 0.200      |            | 99.6       | 85-115 |       |       |       |
| Duplicate (AD63470-DUP1)            | Sour   | ce: 16D088 | Prepared & | k Analyzed | : 04/21/16 |            |        |       |       |       |
| Phosphorus, total                   | 9.03   | 2.0        | mg/L       |            | 9.10       |            |        | 0.734 | 20    |       |
| Matrix Spike (AD63470-MS1)          | Sour   | ce: 16D088 | 9-01       | Prepared & | k Analyzed | : 04/21/16 |        |       |       |       |
| Phosphorus, total                   | 10.4   | 2.0        | mg/L       | 2.00       | 9.10       | 66.5       | 70-130 |       |       | QM-4X |
| Matrix Spike Dup (AD63470-MSD1)     | Sour   | ce: 16D088 | 9-01       | Prepared & | k Analyzed | : 04/21/16 |        |       |       |       |
| Phosphorus, total                   | 10.4   | 2.0        | mg/L       | 2.00       | 9.10       | 63.2       | 70-130 | 0.640 | 20    | QM-4X |
| Batch AD63640 - General Preparation |        |            |            |            |            |            |        |       |       |       |
| Blank (AD63640-BLK1)                |        |            |            | Prepared & | k Analyzed | : 04/26/16 |        |       |       |       |
| Ammonia as NH3                      | ND     | 0.50       | mg/L       |            |            |            |        |       |       |       |
| LCS (AD63640-BS1)                   |        |            |            | Prepared & | k Analyzed | : 04/26/16 |        |       |       |       |
| Ammonia as NH3                      | 5.96   | 0.50       | mg/L       | 6.10       |            | 97.7       | 90-110 |       |       |       |
| LCS Dup (AD63640-BSD1)              |        |            |            | Prepared & | k Analyzed | : 04/26/16 |        |       |       |       |
| Ammonia as NH3                      | 5.85   | 0.50       | mg/L       | 6.10       |            | 96.0       | 90-110 | 1.81  | 10    |       |
| Matrix Spike (AD63640-MS1)          | Sour   | ce: 16D130 | 1-01       | Prepared & | k Analyzed | : 04/27/16 |        |       |       |       |
| Ammonia as NH3                      | 6.07   | 0.50       | mg/L       | 6.10       | ND         | 99.5       | 85-115 |       |       |       |
| Matrix Spike Dup (AD63640-MSD1)     | Sour   | ce: 16D130 | 1-01       | Prepared & | k Analyzed | : 04/27/16 |        |       |       |       |
| Ammonia as NH3                      | 5.75   | 0.50       | mg/L       | 6.10       | ND         | 94.2       | 85-115 | 5.40  | 20    |       |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/28/16 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 |
| atch AD63185 - General Preparation |        |             |       |            |           |          |        |       |       |      |
| Blank (AD63185-BLK1)               |        |             |       | Prepared & | Analyzed: | 04/13/16 |        |       |       |      |
| Nitrite as NO2                     | ND     | 1.0         | 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 N                       | ND     | 0.20        | mg/L  |            |           |          |        |       |       |      |
| LCS (AD63185-BS1)                  |        |             |       | Prepared & | Analyzed: | 04/13/16 |        |       |       |      |
| Nitrite as N                       | 5.04   | 0.20        | mg/L  | 5.00       |           | 101      | 90-110 |       |       |      |
| Chloride                           | 10.3   | 0.50        | mg/L  | 10.0       |           | 103      | 90-110 |       |       |      |
| Nitrate as NO3                     | 23     | 1.0         | mg/L  | 22.2       |           | 104      | 90-110 |       |       |      |
| Nitrate as N                       | 5.20   | 0.20        | mg/L  | 5.00       |           | 104      | 90-110 |       |       |      |
| Nitrite as NO2                     | 16.6   | 1.0         | mg/L  | 16.4       |           | 101      | 90-110 |       |       |      |
| Duplicate (AD63185-DUP1)           | Sou    | rce: 16D101 | 9-01  | Prepared & | Analyzed: | 04/13/16 |        |       |       |      |
| Nitrate as N                       | ND     | 0.20        | mg/L  |            | ND        |          |        | 0.877 | 20    |      |
| Nitrite as NO2                     | ND     | 1.0         | mg/L  |            | ND        |          |        |       | 20    |      |
| Chloride                           | 4.49   | 0.50        | mg/L  |            | 4.56      |          |        | 1.61  | 20    |      |
| Nitrate as NO3                     | ND     | 1.0         | mg/L  |            | ND        |          |        | 0.877 | 20    |      |
| Nitrite as N                       | ND     | 0.20        | mg/L  |            | ND        |          |        |       | 20    |      |
| Matrix Spike (AD63185-MS1)         | Sou    | rce: 16D101 | 9-01  | Prepared & | Analyzed: | 04/13/16 |        |       |       |      |
| Chloride                           | 16.0   | 0.50        | mg/L  | 11.1       | 4.56      | 103      | 80-120 |       |       |      |
| Nitrate as N                       | 5.97   | 0.20        | mg/L  | 5.56       | ND        | 106      | 80-120 |       |       |      |
| Nitrite as NO2                     | 19.0   | 1.0         | mg/L  | 18.2       | ND        | 104      | 80-120 |       |       |      |
| Nitrate as NO3                     | 26     | 1.0         | mg/L  | 24.7       | ND        | 106      | 80-120 |       |       |      |
| Nitrite as N                       | 5.77   | 0.20        | mg/L  | 5.56       | ND        | 104      | 80-120 |       |       |      |
| Matrix Spike (AD63185-MS2)         | Sou    | rce: 16D104 | 4-01  | Prepared & | Analyzed: | 04/13/16 |        |       |       |      |
| Chloride                           | 48.4   | 2.5         | mg/L  | 11.1       | 36.8      | 104      | 80-120 |       |       | -    |
| Nitrate as NO3                     | 41     | 5.0         | mg/L  | 24.7       | 16        | 101      | 80-120 |       |       |      |
| Nitrate as N                       | 9.29   | 1.0         | mg/L  | 5.56       | 3.65      | 101      | 80-120 |       |       |      |
| Nitrite as NO2                     | 19.6   | 5.0         | mg/L  | 18.2       | ND        | 100      | 80-120 |       |       |      |
| Nitrite as N                       | 5.96   | 1.0         | mg/L  | 5.56       | ND        | 100      | 80-120 |       |       |      |



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

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

Reported: 04/28/16 09:21

## Anions by EPA Method 300.0 - Quality Control

| Analyte(s)                          | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD   | RPD<br>Limit | Flag |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|-------|--------------|------|
| Batch AD63185 - General Preparation |        |                    |       |                |                  |          |                |       |              |      |
| Matrix Spike Dup (AD63185-MSD1)     | Sour   | ce: 16D101         | 9-01  | Prepared &     | Analyzed:        | 04/13/16 |                |       |              |      |
| Nitrate as NO3                      | 26     | 1.0                | mg/L  | 24.7           | ND               | 106      | 80-120         | 0.193 | 20           |      |
| Chloride                            | 16.0   | 0.50               | mg/L  | 11.1           | 4.56             | 103      | 80-120         | 0.202 | 20           |      |
| Nitrate as N                        | 5.98   | 0.20               | mg/L  | 5.56           | ND               | 107      | 80-120         | 0.193 | 20           |      |
| Nitrite as N                        | 5.81   | 0.20               | mg/L  | 5.56           | ND               | 105      | 80-120         | 0.652 | 20           |      |
| Nitrite as NO2                      | 19.1   | 1.0                | mg/L  | 18.2           | ND               | 105      | 80-120         | 0.652 | 20           |      |



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West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025 Project Manager: John Simonetti Project: WQ Monitoring Project Number: Oak Avenue

Reported: 04/28/16 09:21

#### **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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# Work Order Chain of Custody Record

| Lab No.  | 6D104                                                | Page of |
|----------|------------------------------------------------------|---------|
| Eab 1401 | <del>3 ./ · / · / · / · / · / · / · / · / · / </del> | Pageor  |

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| Company/Name:                             |                                                  | Project II                                       | D:                |                |                |           |                                              |             |          |         |               |          |         | I             | _                                        |                       | Sig            | Jnatur         | e bel          | ow at                  | uthoriz                 | zes v                                            | vork ur     | nder f  | terms    | s ste    | ated on r   | Signature below authorizes work under terms stated on reverse side. |                |                                         |             |               |                                     |  |  |  |  |  |  |
|-------------------------------------------|--------------------------------------------------|--------------------------------------------------|-------------------|----------------|----------------|-----------|----------------------------------------------|-------------|----------|---------|---------------|----------|---------|---------------|------------------------------------------|-----------------------|----------------|----------------|----------------|------------------------|-------------------------|--------------------------------------------------|-------------|---------|----------|----------|-------------|---------------------------------------------------------------------|----------------|-----------------------------------------|-------------|---------------|-------------------------------------|--|--|--|--|--|--|
| West Bay Sanitary District                |                                                  | l _                                              | 1                 | WC             | ۱ <u>۲</u>     | Мс        | nif                                          | tor         | in       | ıg      |               |          |         |               |                                          |                       |                |                |                |                        |                         |                                                  | quest       |         |          |          |             |                                                                     | ample No       | ntes                                    |             | AT            |                                     |  |  |  |  |  |  |
| Malling Address:                          |                                                  | Project N                                        | No:               |                |                |           | _                                            |             |          |         |               |          |         | 1             |                                          |                       |                |                |                |                        | ,                       |                                                  |             | •       |          |          |             | -                                                                   | Anp            | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 1           | ^1            |                                     |  |  |  |  |  |  |
| 500 Laurei Street<br>Menio Park, CA 94025 | ,                                                |                                                  |                   | C              | Эa¹            | k A       | ve                                           | ะทบ         | le       |         |               |          |         |               | $\neg$                                   |                       |                | T              | Τ              | $\top$                 | T                       | T                                                | T           | T       | T        | T        | $\Box$      | $\top$                                                              |                |                                         | 2/          | 4 hr          |                                     |  |  |  |  |  |  |
| Project Contact & Email (Hardcopy or PDF) | to):                                             | +                                                |                   |                | _              | <u> </u>  | _                                            | <u> </u>    | <u> </u> | _       | —             | —        | —       | $\dashv$      | J                                        | 1 '                   |                |                |                |                        |                         | 1.                                               |             |         |          |          |             |                                                                     | 4- 4           | ,                                       | `_          | B hr          | (nsh                                |  |  |  |  |  |  |
| John Simonetti                            | ,                                                | PO#                                              | #                 |                |                |           |                                              |             |          |         |               |          |         |               | J                                        | 1 '                   |                |                |                | ٦                      | ი                       | 1                                                | <u>ā</u>    |         |          |          | .           |                                                                     | 4.9            | ,                                       | ح ا         | <b>~</b>      | S. P.                               |  |  |  |  |  |  |
| jsimonetti@westbaysanitary.org            | '                                                | <u> </u>                                         |                   |                |                |           |                                              |             |          |         |               |          |         |               | J                                        | 1 '                   | 0              | <u>ا</u> د     | ا ز            | 15                     | ۾   دِ                  | ן נ                                              | <u> </u>    |         |          |          | .           | 1                                                                   | £1 16          | ,                                       | 1 7         | Leb           | Ľ,                                  |  |  |  |  |  |  |
| Phone/Fax;                                |                                                  | Site Cont                                        | tact:             |                |                |           |                                              |             |          |         |               | _        |         | 7             |                                          | '                     | Z              | <u>.  </u> į   | <u>.</u>       | 10                     | .   ř                   | <u> </u>                                         | Calculation |         |          | 1        |             |                                                                     | 4.4            | _ !                                     |             | proval        | tu]Le                               |  |  |  |  |  |  |
| 650-321-0384                              | <u>.                                    </u>     | 20                                               |                   |                |                |           |                                              |             |          | _       |               | _        |         |               |                                          | '                     | a, Mg, Na      | Phosphorus     | <u>۔</u><br>اچ | Chloride, EC, NO2, NO3 | Alkalinity. Bicarbonate | ر<br>د                                           | ]<br>او     |         |          |          |             |                                                                     | -U             |                                         | 1           | quired<br>WK  | <br> Lab Approval Required For Rush |  |  |  |  |  |  |
| Field Sampler - Print Name & Signature    |                                                  |                                                  |                   | onta           |                |           |                                              |             | vat      | tive    | <u>е</u> [V   | /lat     | ιrix    |               |                                          | 1 '                   | ß              | , =            | Total Nitrogen | 취단                     | 引置                      | 1   4                                            | Adjusted    |         |          | 1        |             |                                                                     |                | ,                                       | (           | $\supset$     | ordi                                |  |  |  |  |  |  |
| Je Beler Miller                           |                                                  | mple<br>ection                                   |                   | ] '            | T'             | $\prod$   |                                              | 7           | 1        | 7       | 7             | Ī        | 1       | $\bigcap_{i}$ | ام                                       | 1_ '                  | m              | . ) ⊑          | <u>.</u>       | و :                    | ō   ₹                   | <u> </u>                                         | 칅           |         |          |          |             |                                                                     |                | ,                                       | Ι,          | 14            | b Ap                                |  |  |  |  |  |  |
| Sample                                    | 1                                                |                                                  | Sia               | \'             | 'و   ً         |           |                                              | ج ار        | ٠        |         |               |          |         | 1             | 요                                        | ם                     | _              | :   8          | <u> </u>       | <u>;</u>  ;            | 吕틅                      | ,   °                                            | ۶  ه        | ٠, ا ب  | ہاہ      | ۱,۰      |             |                                                                     |                | : ]                                     |             | wk<br>ndard)  | L                                   |  |  |  |  |  |  |
| Identification                            | Date                                             | Time                                             | 40ml Vi           | , oj<br>Slas:  | 'ږَږ].         | Sther.    | 힉                                            | غٍٰٳڮٚ<br>ٷ | 2. E.    | je j    | lone<br>Angle | <u> </u> |         | ₽<br>F        | DU BOD                                   | ри рн                 | 200.7          | إ ٍ إ          | <u>.</u>  ¿    | ع ز                    | <u>{ </u> }             |                                                  | SAR,        |         | 3   2    | ก        |             |                                                                     |                | ,                                       |             | nuaru)        | L <b>-</b>                          |  |  |  |  |  |  |
| Oak Avenue                                |                                                  | 0800                                             | 141               | 4              | 100            | H         |                                              |             | 1        |         | 2 x           |          | 4       | ٠<br>x        |                                          | $\neg$                | x              | X              | +-             | _                      | +                       | <del>`                                    </del> |             |         | $\neg$   | _        | +           | 4                                                                   |                |                                         | <del></del> | <u> </u>      |                                     |  |  |  |  |  |  |
| Oak Avellue                               | 114/0                                            | 1000                                             | +4                | +              | +              | ++        | +                                            | +           | +        | 十       | 半             | +        | +       | +             | $\rightarrow$                            | <del> </del> <b>x</b> | <del> </del> X | <del> </del> * | X              | ×                      | ×                       | ×                                                | <u> </u>    | ×       | ×        | +        | +-          | -                                                                   |                | 1                                       | <del></del> |               | —                                   |  |  |  |  |  |  |
| ļ                                         |                                                  | <del></del> '                                    | ++                | +              | +              | H         | +                                            | +           | +        | +       | +             | +        | +       | +             | $\rightarrow$                            | <del></del> '         | $\vdash$       | +              | +              | +                      | +                       | +                                                | +           | +       | +        | $\dashv$ | +           | 4                                                                   |                | J                                       | <u> </u>    |               |                                     |  |  |  |  |  |  |
|                                           | 1                                                | <u> </u> '                                       | $\bot$            | +              | ╨,             | Щ         | +                                            | +           | 4        | +       | 4             | 4        | +       | 4             |                                          | <u></u> —'            | $\perp$        |                | $\perp$        | $\bot$                 | _                       | $\bot$                                           | $\bot$      | $\perp$ | $\bot$   | 4        |             | _                                                                   |                | ļ                                       | <u> </u>    |               |                                     |  |  |  |  |  |  |
| <u> </u>                                  |                                                  | <u> </u>                                         | $\coprod$         | ⊥ ′            | ⊥'             | $\coprod$ | $\Box$                                       | $\perp$     | $\perp$  | $\perp$ | $\perp$       | $\perp$  | $\perp$ | $\perp$       | $\Box$                                   | <u></u> '             | L              | $\perp$        | $\perp$        |                        | $\perp$                 | L                                                |             |         |          | 1        |             |                                                                     |                | ,                                       | Ī           |               |                                     |  |  |  |  |  |  |
|                                           |                                                  | <u> </u>                                         |                   | Ţ_'            | T '            |           |                                              | 7           | 7        | 7       | 7             | Ţ        | Ţ       | T             | -1                                       | 「 '                   | Γ              |                |                | T                      | $\top$                  | T                                                | T           | T       | T        | Т        | $\top$      | 1                                                                   |                | ŗ                                       |             |               |                                     |  |  |  |  |  |  |
|                                           |                                                  |                                                  |                   | +              | $\top$         | $\Box$    | 1                                            | $\top$      | $\top$   | $\top$  | +             | $\top$   | 1       | 1             | $\neg$                                   |                       |                | 1              | $\top$         | $\top$                 | $\top$                  | +                                                | $\top$      | +       | +        | $\top$   | +           | 1                                                                   |                | ,                                       |             |               | _                                   |  |  |  |  |  |  |
| <del></del>                               | <del>                                     </del> | +                                                | +                 | +              | +              | H         | 十                                            | +           | +        | +       | 十             | +        | +       | +             | $\rightarrow$                            | $\vdash$              | $\vdash$       | +-             | +              | 十                      | +                       | +                                                | +           | +       | +        | +        | +           | 4                                                                   |                | ŀ                                       |             |               | —                                   |  |  |  |  |  |  |
|                                           | <del></del>                                      | <del></del> '                                    | ++                | +              | +              | H         | +                                            | +           | +        | +       | +             | +        | 十       | +             | $\rightarrow$                            | +-                    | <del> </del>   | +-             | +              | +                      | +                       | +                                                | +           | +       | +        | +        | +           | 4                                                                   |                | 1                                       | <del></del> |               |                                     |  |  |  |  |  |  |
|                                           | <b>-</b>                                         | <del></del> '                                    | #                 | <del></del> -' | ┼,             | +         | <del>-</del>                                 | +           | +        | +       | +             | 4        | +       | 4             |                                          | <b></b> '             | $\perp$        | 4_             | $\bot$         | +                      | 4                       | 4                                                | +           | $\bot$  | 4        | 4        | <del></del> | _                                                                   |                | ļ                                       | <u> </u>    |               |                                     |  |  |  |  |  |  |
|                                           | ↓'                                               | <u> </u> '                                       | $\bot \bot$       | 上 '            | 上'             | Щ         | 4                                            | _           | 4        | 4       | $\perp$       | $\perp$  | 4       |               | $ \_                                   $ | ⊥_′                   | $\perp$        |                | $\perp$        |                        | $\perp$                 | $\perp$                                          |             | $\perp$ | $\perp$  | $\perp$  |             |                                                                     |                | ļ                                       | i           |               |                                     |  |  |  |  |  |  |
|                                           | I                                                | '                                                |                   |                | '              |           | <u>,                                    </u> |             | L        | 1       | L             |          |         | L             |                                          | '                     |                |                |                |                        |                         | ]_                                               |             |         |          |          |             | ]                                                                   |                | 1                                       |             |               |                                     |  |  |  |  |  |  |
|                                           |                                                  | , ·                                              | $\prod$           | <b>T</b>       |                |           | <i>,</i> T                                   | $\top$      | T        | T       | T             | $\top$   | $\top$  | T             | $\neg$                                   |                       |                |                | T              | $\top$                 | 1                       | $\uparrow$                                       | $\top$      | $\top$  | 1        | $\top$   | $\top$      | 1                                                                   |                | 1                                       | i           |               | _                                   |  |  |  |  |  |  |
|                                           |                                                  | <del>                                     </del> | H                 | +              | $\top$         | $\forall$ | 十                                            | +           | 十        | +       | 十             | +        | +       | +             | 7                                        |                       | $\vdash$       | +              | +              | +                      | +-                      | +                                                | +           | 十       | 十        | +        | +           | 1                                                                   |                | ł                                       |             |               |                                     |  |  |  |  |  |  |
| <del> </del>                              | <del>                                     </del> | +                                                | +                 | +              | +              | H         | 十                                            | +           | +        | +       | 十             | +        | +       | 十             | $\rightarrow$                            | $\vdash$              | $\vdash$       | +              | +              | +                      | +                       | +                                                | +           | +       | +        | +        | +           | 4                                                                   |                | }                                       |             |               |                                     |  |  |  |  |  |  |
|                                           | <del></del>                                      | <del></del> '                                    | ++                | +-             | <del> </del> ' | H         | +                                            | +           | +        | +       | +             | +        | +       | +             |                                          | 1-                    | $\vdash$       | +              | +-             | +                      | +-                      | +                                                | +           | +       | +        | +        | +           | 4                                                                   |                | ]                                       | <b></b>     |               |                                     |  |  |  |  |  |  |
|                                           | ــــــــــــــــــــــــــــــــــــــ           | <del>1  </del>                                   | إلله              | <u> </u>       | Ĺ,             | كيل       | 4                                            | $\perp$     | 上        | $\perp$ | 上             | 上        | 4       | 丄             |                                          | '                     |                | 丄              |                | ⊥_                     |                         | $\perp$                                          |             | $\perp$ | 丄        | 丄        |             |                                                                     |                |                                         | i           |               |                                     |  |  |  |  |  |  |
| Relinquished by:                          | ( '                                              | Received                                         | by:/              |                |                |           | ()                                           | 1           |          |         | -             |          |         | Date          |                                          |                       | Time           |                | -1 es          |                        | חסח                     |                                                  | rita (      | ⊃n F    | :<br>:nT | - D      | eport?      | ,                                                                   | Yes            |                                         | No          |               | 7                                   |  |  |  |  |  |  |
| Martin                                    |                                                  | لل_ ا                                            | a                 | $\sim$         | <u> </u>       |           | X,                                           | سلر         | ~        |         |               |          | K       | 412           | 21                                       | 16'                   | 11             | 24             | (O             | ``                     | Jr 11                   | V V .                                            | ile o       | ль      | ים:      | Νe       | por:        |                                                                     | 169            |                                         | No          |               | ノ                                   |  |  |  |  |  |  |
| Retinquished by:                          | 1                                                | Received                                         | Nov:              | S              | 厂              | _         | Z                                            | _           | _        | _       |               | _        | Īď      | Date          | . 1                                      | ı                     | Time           | ne             |                | 7s                     | tate                    | Sy                                               | /stem       | a Ni    | uml      | bei      | r:          |                                                                     | }              | ı                                       |             |               |                                     |  |  |  |  |  |  |
| ab                                        |                                                  | + _                                              | _                 | _              | _              | /         | -                                            | <u>_</u>    |          |         |               | _        |         | 4/            | /٢                                       | [2_                   | 11             | 164            | 10             | 1                      |                         | -,                                               |             | • •     | ***      | *-       | •           |                                                                     | 1              |                                         |             |               |                                     |  |  |  |  |  |  |
| Relinquished by:                          | - ;                                              | Received                                         | Received by: Date |                |                |           |                                              |             |          |         |               |          |         | /(2           |                                          | Tim                   | 8:87           | <u></u>        | C/             | A Ge                   | eotr                    | racke                                            | ır El       | DF I    | Re       | port     |             | Yes ,                                                               |                | No                                      |             | 5             |                                     |  |  |  |  |  |  |
| Relinquished by:                          |                                                  | Received                                         | ı by:             |                | <u></u>        | 2         | _                                            |             |          | _       | —             | _        | To:     | Date          |                                          |                       | Time           | ne -           |                | $d_{S_i}$              | ámn′                    | ling                                             | · Cor       | ากละ    | nv [     | ഫ        | Code:       | <b>)</b> -                                                          |                | _                                       |             | -             |                                     |  |  |  |  |  |  |
| 4                                         | <b>1</b><br>                                     | ĺ                                                |                   |                | <u> </u>       |           | <u>~</u>                                     | _           |          |         |               |          | 1       | 4/            | /12                                      | 2                     |                | 2119           | 460            | GI                     | lobal                   | IID:                                             | ):          |         |          |          | EDF         |                                                                     | nail Address): | j.                                      |             |               | _                                   |  |  |  |  |  |  |
| Relinquished by:                          |                                                  | Received                                         | by:               | _              | _              | _         |                                              |             |          | _       |               | _        | T       | Date          |                                          |                       | Time           | 18             |                | Tra                    | avel g                  | ınd                                              | Site Ti     | ime:    | Mi       | ilea     | ge:         |                                                                     | Misc. Sup      | pplies:                                 |             | $\overline{}$ |                                     |  |  |  |  |  |  |
|                                           | '                                                |                                                  |                   |                |                |           |                                              | _           |          |         |               |          |         |               | į t                                      |                       |                |                |                |                        |                         |                                                  |             |         |          |          |             | , '                                                                 |                | •                                       |             |               |                                     |  |  |  |  |  |  |