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Data Report

Client Name: Hillsboro, City of
150 E. Main Street
Hillsboro, OR 97123

Reference Number: **21-41893**
Project: Semi-Annual Joint Water
Commission - Finished

Report Date: 12/6/21

Date Received: 11/3/21

Approved by: anp,bj,jdn,ljh,mcs,rlv,tjb

Authorized by:

Thanh B Phan
Lab Manager, Portland

| Sample Description: 10421 - JWTP Finished Water - Site ID #1 | | | | | | | | | | Sample Date: 11/3/21 8:22 am | | |
|--|------------------------------|-----------------|-------|---------|---------------|-----|--------------|-----|----------|------------------------------|---------------|------------------------|
| Lab Number: 80746 | | Sample Comment: | | | | | | | | Collected By: JA/RD | | |
| CAS ID# | Parameter | Result | PQL | MDL | Units | DF | Method | Lab | Analyzed | Analyst | Batch | Comment |
| 7429-90-5 | *ALUMINUM | ND | 0.010 | 0.005 | mg/L | 1.0 | 200.7 | a | 11/22/21 | ANP | 200.7_211122A | |
| 7440-70-2 | *CALCIUM | 8.90 | 0.5 | 0.2 | mg/L | 1.0 | 200.7 | a | 11/22/21 | ANP | 200.7_211122A | |
| 7440-48-4 | *COBALT | ND | 0.001 | 0.0012 | mg/L | 1.0 | 200.7 | a | 11/22/21 | ANP | 200.7_211122A | |
| 7439-95-4 | MAGNESIUM | 2.86 | 0.500 | 0.08 | mg/L | 1.0 | 200.7 | a | 11/22/21 | ANP | 200.7_211122A | |
| 7439-98-7 | *MOLYBDENUM | ND | 0.010 | 0.007 | mg/L | 1.0 | 200.7 | a | 11/29/21 | ANP | 200.7_211129A | |
| 7440-09-7 | POTASSIUM | ND | 1.0 | 0.07 | mg/L | 1.0 | 200.7 | a | 11/22/21 | ANP | 200.7_211122A | |
| 7631-86-9 | SILICA | 17.0 | 0.05 | 0.05 | mg/L | 1.0 | 200.7 | a | 11/22/21 | ANP | 200.7_211122A | |
| 14808-79-8 | SULFATE | 14.3 | 0.2 | 0.025 | mg/L | 1.0 | 300.0 | a | 11/5/21 | CRC | IC06_211105A | |
| 7664-41-7 | *AMMONIA-N | ND | 0.010 | 0.00846 | mg/L | 1.0 | 350.1 | a | 11/19/21 | BCM | 350.1_211119 | |
| E-10264 | *TOTAL KJELDAHL NITROGEN | ND | 0.20 | 0.0585 | mg/L | 1.0 | 351.2 | a | 11/19/21 | BCM | 351.2_211119 | |
| E-10264 | *TOTAL ORGANIC NITROGEN | ND | 0.20 | | mg/L | 1.0 | 351.2 | a | 11/22/21 | BCM | TON_211122 | |
| NA | *SURFACTANTS | ND | 0.050 | 0.1 | mg/L | 1.0 | 425.1 | | 11/4/21 | AGG | ALEXIN_211104 | |
| E-10162 | *TOTAL SUSPENDED SOLIDS | ND NN | 2 | | mg/L | 1.0 | I-3765-85 | c | 11/8/21 | RLV | ctss_211108 | |
| NA | *CORROSIVITY | -2.20 | | | SI | 1.0 | SM203 | a | 11/30/21 | BJ | COR_211130A | |
| E-11734 | *ODOR | 6 | 1 | | TON | 1.0 | SM2150 | | 11/3/21 | JDN | odor_211103 | Temperature: 39.5 |
| NA | *BICARBONATE | 33.5 | 1 | | mg CaCO3/L | 1.0 | SM2320 B | a | 11/4/21 | BCM | ALK_211104 | |
| NA | *CARBONATE | ND | 1 | | mgCaCO3/L | 1.0 | SM2320 B | a | 11/4/21 | BCM | ALK_211104 | |
| NA | *HYDROXIDE | ND | 1 | | mg CaCO3/L | 1.0 | SM2320 B | a | 11/4/21 | BCM | ALK_211104 | |
| E-14506 | *PHENOLPHTHALEIN ALKALINITY | ND | 1 | | mg CaCO3/L | 1.0 | SM2320 B | a | 11/4/21 | BCM | ALK_211104 | |
| | *NONCARBONATE HARDNESS | 0.30 | 1 | | mg/L | 1.0 | SM2340 B | a | 11/30/21 | BJ | 200.7_211109A | |
| E-10151 | *TOTAL SOLIDS | 56.5 | 2 | | mg/L | 1.0 | SM2540 B | c | 11/11/21 | RLV | cts_211111 | |
| E-10173 | TOTAL DISSOLVED SOLIDS (TDS) | 91 | 10 | | mg/L | 1.0 | SM2540 C | a | 11/4/21 | CRC | TDS_211104 | |
| | *VOLATILE SOLIDS | 22.5 | 2 | | mg/L | 1.0 | SM2540 E | | 11/11/21 | RLV | cvs_211111 | |
| 124-38-9 | *CARBON DIOXIDE | 35.6 | 0.5 | | mg/L | 1.0 | SM4500-CO2 D | a | 11/30/21 | BJ | CO2_211130A | Free CO2 = 6.11mg/L |

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. = Dilution Factor

An "*" indicates it is not NELAP accredited though method requirements have been met unless noted in cover letter or case narrative.

These test results meet all the requirements of NELAC, unless otherwise stated in writing, and relate only to these samples. Estimates of uncertainty are not included in this report. If this information is required please contact us at the phone number listed in the report header.

If you have any questions concerning this report contact us at the above phone number.

Form: mult_or.rpt

Data Report

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|------------|----------------------------------|---------|-------|---------|----------|-----|--------------------------|---|----------|-----|----------------|-----------------------|
| E-10139 | HYDROGEN ION (pH) | 7.04 H5 | | | pH Units | 1.0 | SM4500-H+ B | c | 11/3/21 | RLV | cph_211103 | Temp (C) : 18.9 |
| 14265-44-2 | ORTHO-PHOSPHATE | ND | 0.01 | 0.0073 | mg/L | 1.0 | SM4500-P F | c | 11/4/21 | RLV | cpo4_211104 | |
| E-10195 | TOTAL ORGANIC CARBON | 1.10 | 0.15 | 0.045 | mg/L | 1.0 | SM5310 B | a | 11/10/21 | BJ | TOC_211108A | |
| NA | *TANNIN AND LIGNIN | ND | 0.1 | | mg/L | 1.0 | SM5550 | a | 11/4/21 | BCM | TANNINS_211104 | |
| E-10195 | *DISSOLVED ORGANIC CARBON | 1.16 | 0.50 | 0.045 | mg/L | 1.0 | SM5310 B/FILTER | a | 11/10/21 | BJ | TOC_211108A | Filter Blk = 0.33mg/L |
| 7723-14-0 | *TOTAL PHOSPHORUS | ND | 0.010 | 0.00268 | mg/L | 1.0 | SM4500-P F/SM4500-P B(5) | a | 11/22/21 | TJB | TPHOS_211122 | |

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