**RN040930**

**TANUMBIRINI 2 WATER SUPPLY BORE - RN040930 - Control Monitoring Bore**

| | LABORATORY METHOD | CHEMICAL NAME | FRACTION D/T/N | RESULT UNIT | No. results | Min | Median | Max | LIMIT OF DETECTION | 9/12/2018 1:30 | 14/07/2019 2:00 | 24/07/2019 1:50 | 31/07/2019 11:00 | 6/08/2019 10:15 | 14/08/2019 5:00 | 19/08/2019 7:30 | 27/08/2019 12:20 | 28/08/2019 7:05 | 10/09/2019 4:00 | 11/09/2019 8:30 | 25/09/2019 7:45 | 26/09/2019 6:50 | 9/10/2019 7:40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General, anions, cations and metal | APHA_2320_B | Total Alkalinity as CaCO3 | N | mg/L | 27 | 251 | 410 | 467 | 1 | 396 | 467 | 424 | 419 | 424 | 441 | 410 | 407 | 409 | 412 | 414 | 419 | 418 | 251 |
| | APHA_2510_B | Electrical Conductivity @ 25°C | N | µS/cm | 27 | 886 | 1300 | 1410 | 1 | 1290 | 1330 | 1400 | 1410 | 1410 | 1320 | 1300 | 1310 | 1300 | 1360 | 1360 | 1300 | 1300 | 886 |
| | APHA_2540_C | Total Dissolved Solids @180°C | T | mg/L | 27 | 639 | 836 | 928 | 10 | 818 | 805 | 805 | 789 | 812 | 835 | 786 | 894 | 837 | 862 | 830 | 862 | 847 | 639 |
| | APHA_2540_D | Suspended Solids | N | mg/L | 27 | <5 | 8.5 | 40 | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 40 |
| | APHA_3112_CV_FIMS | Mercury | D | mg/L | 27 | <0.0001 | - | <0.0001 | 0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| | APHA_3112_CV_FIMS | Mercury | T | mg/L | 26 | <0.0001 | - | <0.0001 | 0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| | APHA_3112_CV_FIMS | Mercury | T | mg/L | 1 | <0.0005 | - | <0.0005 | 0.0005 | | | | | | | | | | | | | | |
| | APHA_3120 | Calcium | D | mg/L | 27 | 109 | 139 | 152 | 1 | 140 | 147 | 152 | 149 | 148 | 141 | 127 | 141 | 141 | 134 | 133 | 144 | 139 | 109 |
| | APHA_3120 | Magnesium | D | mg/L | 27 | 37 | 57 | 63 | 1 | 59 | 60 | 63 | 62 | 63 | 54 | 53 | 56 | 57 | 55 | 55 | 58 | 60 | 37 |
| | APHA_3120 | Potassium | D | mg/L | 27 | 8 | 12 | 13 | 1 | 12 | 13 | 12 | 12 | 12 | 12 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 8 |
| | APHA_4500_Cl | Chloride | N | mg/L | 27 | 65 | 110 | 114 | 1 | 105 | 112 | 109 | 112 | 110 | 108 | 107 | 112 | 107 | 110 | 109 | 114 | 113 | 65 |
| | APHA_4500_F_C | Fluoride | N | mg/L | 27 | 0.5 | 0.7 | 0.8 | 0.1 | 0.8 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.6 | 0.6 | 0.7 | 0.7 | 0.5 |
| | APHA_4500_H_B | pH - Lab | N | pH Unit | 27 | 7.27 | 7.76 | 8.16 | 0.01 | 8.16 | 7.78 | 7.4 | 7.27 | 7.41 | 7.37 | 8.02 | 7.96 | 8.08 | 7.58 | 7.73 | 7.93 | 7.94 | 7.64 |
| | APHA_4500_NO2_B | Nitrite as N | N | mg/L | 27 | <0.01 | - | <0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| | APHA_4500_NO3_F | Nitrate as N | N | mg/L | 27 | <0.01 | 0.025 | 0.04 | 0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| | APHA_4500_SO4_E | Sulfate as SO4 2- | D | mg/L | 24 | 132 | 172 | 206 | 1 | 206 | 139 | | | | 168 | 175 | 164 | 174 | 164 | 170 | 181 | 175 | 132 |
| | APHA_4500_SO4_E | Sulfate as SO4 2- | D | mg/L | 3 | 164 | 177 | 180 | 5 | | | 180 | 177 | 164 | | | | | | | | | |
| | ASTM_D7283-06 | Gross alpha | N | Bq/L | 2 | 0.43 | 0.925 | 1.42 | 0.05 | 1.42 | 0.43 | | | | | | | | | | | | |
| | ASTM_D7283-06 | Gross beta activity - 40K | N | Bq/L | 2 | 0.21 | 0.495 | 0.78 | 0.1 | 0.78 | 0.21 | | | | | | | | | | | | |
| | CSN_75_7611_75_7612 | Gross alpha | N | Bq/L | 24 | 0.35 | 0.75 | 0.91 | 0.05 | | | 0.79 | 0.86 | 0.87 | | 0.75 | 0.67 | 0.77 | 0.72 | 0.35 | 0.83 | 0.91 | 0.77 |
| | CSN_75_7611_75_7612 | Gross alpha | N | Bq/L | 1 | 1.1 | - | 1.1 | 0.55 | | | | | | 1.1 | | | | | | | | |
| | CSN_75_7611_75_7612 | Gross beta activity - 40K | N | Bq/L | 24 | 0.21 | 0.35 | 0.47 | 0.1 | | | 0.46 | 0.44 | 0.45 | | 0.4 | 0.27 | 0.34 | 0.47 | <0.1 | 0.42 | 0.46 | 0.37 |
| | CSN_75_7611_75_7612 | Gross beta activity - 40K | N | Bq/L | 1 | <1.1 | - | <1.1 | 1.1 | | | | | | <1.1 | | | | | | | | |
| | USEPA_6020 | Arsenic | D | mg/L | 27 | 0.002 | 0.005 | 0.008 | 0.001 | 0.002 | 0.004 | 0.006 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.008 | 0.002 | 0.005 | 0.005 |
| | USEPA_6020 | Arsenic | T | mg/L | 26 | 0.001 | 0.005 | 0.014 | 0.001 | 0.002 | 0.001 | 0.006 | 0.007 | 0.007 | 0.008 | 0.008 | 0.006 | 0.007 | 0.007 | 0.014 | 0.004 | 0.006 | 0.005 |
| | USEPA_6020 | Arsenic | T | mg/L | 1 | 0.008 | - | 0.008 | 0.005 | | | | | | | | | | | | | | |
| | USEPA_6020 | Barium | D | mg/L | 27 | 0.022 | 0.044 | 0.05 | 0.001 | 0.038 | 0.043 | 0.046 | 0.047 | 0.039 | 0.044 | 0.043 | 0.046 | 0.047 | 0.044 | 0.044 | 0.022 | 0.044 | 0.043 |
| | USEPA_6020 | Barium | T | mg/L | 26 | 0.032 | 0.0475 | 0.053 | 0.001 | 0.04 | 0.053 | 0.049 | 0.048 | 0.048 | 0.048 | 0.049 | 0.044 | 0.044 | 0.05 | 0.052 | 0.032 | 0.048 | 0.046 |
| | USEPA_6020 | Barium | T | mg/L | 1 | 0.045 | - | 0.045 | 0.005 | | | | | | | | | | | | | | |
| | USEPA_6020 | Boron | D | mg/L | 27 | 0.06 | 0.17 | 0.2 | 0.05 | 0.18 | 0.18 | 0.19 | 0.19 | 0.19 | 0.18 | 0.19 | 0.18 | 0.18 | 0.17 | 0.17 | 0.06 | 0.2 | 0.18 |
| | USEPA_6020 | Boron | T | mg/L | 27 | 0.08 | 0.18 | 0.22 | 0.05 | 0.18 | 0.19 | 0.17 | 0.17 | 0.17 | 0.18 | 0.21 | 0.2 | 0.2 | 0.2 | 0.2 | 0.09 | 0.18 | 0.18 |
| | USEPA_6020 | Cadmium | D | mg/L | 27 | <0.0001 | 0.0001 | 0.0002 | 0.0001 | 0.0002 | 0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| | USEPA_6020 | Cadmium | T | mg/L | 27 | <0.0001 | 0.0002 | 0.0002 | 0.0001 | 0.0002 | 0.0002 | 0.0002 | 0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | 0.0001 | <0.0001 | <0.0001 | <0.0001 |
| | USEPA_6020 | Chromium | D | mg/L | 27 | <0.001 | 0.009 | 0.009 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Chromium | T | mg/L | 27 | <0.001 | 0.002 | 0.003 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.002 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Copper | D | mg/L | 27 | <0.001 | 0.001 | 0.002 | 0.001 | <0.001 | <0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Copper | T | mg/L | 27 | <0.05 | 0.007 | 0.031 | 0.001 | <0.001 | <0.001 | 0.015 | 0.013 | 0.002 | <0.001 | 0.01 | <0.001 | 0.001 | 0.003 | 0.011 | 0.007 | 0.007 | 0.008 |
| | USEPA_6020 | Iron | D | mg/L | 27 | 0.07 | 0.4 | 1.11 | 0.05 | <0.05 | 0.15 | 0.25 | 0.22 | <0.05 | 0.34 | 0.45 | 0.44 | 0.4 | 0.7 | 0.26 | 0.27 | 0.41 | 0.35 |
| | USEPA_6020 | Iron | T | mg/L | 27 | 0.09 | 0.68 | 3.54 | 0.05 | 0.09 | 0.32 | 0.35 | 0.28 | 0.21 | 0.41 | 0.87 | 0.21 | 0.49 | 0.86 | 3.54 | 0.44 | 0.53 | 0.43 |
| | USEPA_6020 | Lead | D | mg/L | 27 | <0.001 | 0.0015 | 0.003 | 0.001 | <0.001 | 0.003 | 0.002 | 0.001 | <0.001 | <0.001 | <0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Lead | T | mg/L | 27 | <0.001 | 0.005 | 0.028 | 0.001 | <0.001 | 0.002 | 0.028 | 0.021 | 0.005 | 0.006 | 0.009 | <0.001 | 0.004 | 0.005 | 0.016 | 0.003 | 0.003 | 0.003 |
| | USEPA_6020 | Lithium | D | mg/L | 27 | 0.021 | 0.066 | 0.076 | 0.001 | 0.07 | 0.057 | 0.073 | 0.073 | 0.069 | 0.066 | 0.076 | 0.068 | 0.065 | 0.064 | 0.065 | 0.021 | 0.076 | 0.07 |
| | USEPA_6020 | Lithium | T | mg/L | 26 | 0.031 | 0.069 | 0.08 | 0.001 | 0.064 | 0.057 | 0.069 | 0.072 | 0.075 | 0.069 | 0.076 | 0.08 | 0.078 | 0.075 | 0.076 | 0.031 | 0.066 | 0.064 |
| | USEPA_6020 | Lithium | T | mg/L | 1 | 0.06 | - | 0.06 | 0.005 | | | | | | | | | | | | | | |
| | USEPA_6020 | Manganese | D | mg/L | 27 | 0.007 | 0.018 | 0.046 | 0.001 | 0.028 | 0.008 | 0.018 | 0.016 | 0.016 | 0.015 | 0.019 | 0.016 | 0.016 | 0.019 | 0.046 | 0.007 | 0.017 | 0.016 |
| | USEPA_6020 | Manganese | T | mg/L | 26 | 0.008 | 0.018 | 0.058 | 0.001 | 0.03 | 0.008 | 0.018 | 0.017 | 0.017 | 0.016 | 0.022 | 0.016 | 0.017 | 0.022 | 0.058 | 0.011 | 0.017 | 0.017 |
| | USEPA_6020 | Manganese | T | mg/L | 1 | 0.018 | - | 0.018 | 0.005 | | | | | | | | | | | | | | |
| | USEPA_6020 | Selenium | D | mg/L | 27 | <0.01 | - | <0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| | USEPA_6020 | Selenium | T | mg/L | 27 | <0.01 | 0.05 | 0.05 | 0.01 | <0.01 | 0.05 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| | USEPA_6020 | Silver | D | mg/L | 26 | <0.001 | - | <0.001 | 0.001 | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Silver | T | mg/L | 26 | <0.001 | - | <0.001 | 0.001 | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Strontium | D | mg/L | 26 | 0.308 | 0.7875 | 0.864 | 0.001 | 0.732 | | 0.84 | 0.835 | 0.819 | 0.786 | 0.781 | 0.804 | 0.794 | 0.766 | 0.775 | 0.308 | 0.862 | 0.76 |
| | USEPA_6020 | Strontium | T | mg/L | 25 | 0.546 | 0.834 | 0.911 | 0.001 | 0.724 | | 0.848 | 0.834 | 0.833 | 0.834 | 0.873 | 0.9 | 0.911 | 0.794 | 0.785 | 0.546 | 0.869 | 0.834 |
| | USEPA_6020 | Strontium | T | mg/L | 1 | 0.738 | - | 0.738 | 0.005 | | | | | | | | | | | | | | |
| | USEPA_6020 | Zinc | D | mg/L | 27 | <0.005 | 0.0205 | 0.1 | 0.005 | 0.1 | 0.01 | 0.068 | 0.07 | 0.02 | 0.027 | 0.047 | 0.035 | 0.024 | 0.04 | 0.013 | 0.015 | 0.034 | 0.023 |
| | USEPA_6020 | Zinc | T | mg/L | 26 | 0.01 | 0.042 | 0.103 | 0.005 | 0.103 | 0.01 | 0.098 | 0.095 | 0.049 | 0.034 | 0.064 | 0.026 | 0.027 | 0.049 | 0.058 | 0.024 | 0.045 | 0.035 |
| | USEPA_6020 | Zinc | T | mg/L | 1 | 0.036 | - | 0.036 | 0.026 | | | | | | | | | | | | | | |
| Diss. pet. gases | EP033-LL | Ethane | N | µg/L | 26 | <1 | - | <1 | 1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | EP033-LL | Methane | N | µg/L | 26 | <1 | - | <1 | 1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | EP033-LL | Propane | N | µg/L | 26 | <1 | - | <1 | 1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | IN_HOUSE_HSGCFID | Ethane | N | µg/L | 1 | <10 | - | <10 | 10 | <10 | | | | | | | | | | | | | |
| | IN_HOUSE_HSGCFID | Methane | N | µg/L | 1 | <10 | - | <10 | 10 | <10 | | | | | | | | | | | | | |
| | IN_HOUSE_HSGCFID | Propane | N | µg/L | 1 | <10 | - | <10 | 10 | <10 | | | | | | | | | | | | | |
| Total recoverable hydrocarbons | USEPA_8015 | >C10 - C16 Fraction | N | µg/L | 27 | <100 | - | <100 | 100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| | USEPA_8015 | >C10 - C16 Fraction minus Naphthalene | N | µg/L | 27 | <100 | - | <100 | 100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| | USEPA_8015 | >C10 - C40 Fraction (sum) | N | µg/L | 27 | <100 | - | <100 | 100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| | USEPA_8015 | >C16 - C34 Fraction | N | µg/L | 27 | <100 | - | <100 | 100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| | USEPA_8015 | >C34 - C40 Fraction | N | µg/L | 27 | <100 | - | <100 | 100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| | USEPA_8015 | C6 - C36 Fraction (Sum) | N | µg/L | 22 | <20 | - | <20 | 20 | | | | | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| | USEPA_8260 | C6 - C10 Fraction | N | µg/L | 27 | <20 | - | <20 | 20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| | USEPA_8260 | C6 - C10 Fraction minus BTEX (F1) | N | µg/L | 27 | <20 | - | <20 | 20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| | USEPA_8260 | C6 - C9 Fraction | N | µg/L | 27 | <20 | - | <20 | 20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| BTEX | USEPA_8260 | Benzene | N | µg/L | 27 | <1 | - | <1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | USEPA_8260 | Ethylbenzene | N | µg/L | 27 | <2 | - | <2 | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| | USEPA_8260 | meta- & para-Xylene | N | µg/L | 27 | <2 | - | <2 | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| | USEPA_8260 | Naphthalene | N | µg/L | 27 | <5 | - | <5 | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| | USEPA_8260 | ortho-Xylene | N | µg/L | 27 | <2 | - | <2 | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| | USEPA_8260 | Sum of BTEX | N | µg/L | 27 | <1 | - | <1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | USEPA_8260 | Toluene | N | µg/L | 27 | <2 | - | <2 | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| | USEPA_8260 | Total Xylenes | N | µg/L | 27 | <2 | - | <2 | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| PAH Suite | USEPA_8270_UT | 3-Methylcholanthrene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | 7.12-Dimethylbenz(a)anthracene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Acenaphthene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Acenaphthylene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Anthracene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Benz(a)anthracene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Benzo(a)pyrene | N | µg/L | 23 | <0.05 | - | <0.05 | 0.05 | | | <0.05 | <0.05 | <0.05 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| | USEPA_8270_UT | Benzo(a)pyrene TEQ (zero) | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Benzo(b+j)fluoranthene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Benzo(g.h.i)perylene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Benzo(k)fluoranthene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Chrysene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Dibenz(a.h)anthracene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Fluoranthene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Fluorene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Indeno(1.2.3.cd)pyrene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Naphthalene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Phenanthrene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Pyrene | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Sum of polycyclic aromatic hydrocarbon | N | µg/L | 23 | <0.1 | - | <0.1 | 0.1 | | | <0.1 | <0.1 | <0.1 | | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270B_PAH | Acenaphthene | N | µg/L | 2 | <1 | - | <1 | 1 | <1 | | | | | <1 | | | | | | | | |
| | USEPA_8270B_PAH | Acenaphthylene | N | µg/L | 2 | <1 | - | <1 | 1 | <1 | | | | | <1 | | | | | | | | |
| | USEPA_8270B_PAH | Anthracene | N | µg/L | 2 | <1 | - | <1 | 1 | <1 | | | | | <1 | | | | | | | | |
| | USEPA_8270B_PAH | Benz(a)anthracene | N | µg/L | 2 | <1 | - | <1 | 1 | <1 | | | | | <1 | | | | | | | | |
| | USEPA_8270B_PAH | Benzo(a)pyrene | N | µg/L | 2 | <0.5 | - | <0.5 | 0.5 | <0.5 | | | | | <0.5 | | | | | | | | |
| | USEPA_8270B_PAH | Benzo(a)pyrene TEQ (zero) | N | µg/L | 2 | <0.5 | - | <0.5 | 0.5 | <0.5 | | | | | <0.5 | | | | | | | | |
| | USEPA_8270B_PAH | Benzo(b+j)fluoranthene | N | µg/L | 2 | <1 | - | <1 | 1 | <1 | | | | | <1 | | | | | | | | |
| | USEPA_8270B_PAH | Benzo(g.h.i)perylene | N | µg/L | 2 | <1 | - | <1 | 1 | <1 | | | | | <1 | | | | | | | | |
| | USEPA_8270B_PAH | Benzo(k)fluoranthene | N | µg/L | 2 | <1 | - | <1 | 1 | <1 | | | | | <1 | | | | | | | | |
| | USEPA_8270B_PAH | Chrysene | N | µg/L | 2 | <1 | - | <1 | 1 | <1 | | | | | <1 | | | | | | | | |
| | USEPA_8270B_PAH | Dibenz(a.h)anthracene | N | µg/L | 2 | <1 | - | <1 | 1 | <1 | | | | | <1 | | | | | | | | |
| | USEPA_8270B_PAH | Fluoranthene | N | µg/L | 2 | <1 | - | <1 | 1 | <1 | | | | | <1 | | | | | | | | |
| | USEPA_8270B_PAH | Fluorene | N | µg/L | 2 | <1 | - | <1 | 1 | <1 | | | | | <1 | | | | | | | | |
| | USEPA_8270B_PAH | Indeno(1.2.3.cd)pyrene | N | µg/L | 2 | <1 | - | <1 | 1 | <1 | | | | | <1 | | | | | | | | |
| | USEPA_8270B_PAH | Naphthalene | N | µg/L | 2 | <1 | - | <1 | 1 | <1 | | | | | <1 | | | | | | | | |
| | USEPA_8270B_PAH | Phenanthrene | N | µg/L | 2 | <1 | - | <1 | 1 | <1 | | | | | <1 | | | | | | | | |
| | USEPA_8270B_PAH | Pyrene | N | µg/L | 2 | <1 | - | <1 | 1 | <1 | | | | | <1 | | | | | | | | |
| | USEPA_8270B_PAH | Sum of polycyclic aromatic hydrocarbon | N | µg/L | 2 | <0.5 | - | <0.5 | 0.5 | <0.5 | | | | | <0.5 | | | | | | | | |

| 10/10/2019 6:30 | 22/10/2019 8:00 | 23/10/2019 6:18 | 14/11/2019 7:00 | 15/11/2019 10:05 | 10/12/2019 8:20 | 15/01/2020 9:35 | 11/02/2020 15:00 | 4/03/2020 7:45 | 19/05/2020 16:00 | 20/09/2020 13:00 | 25/11/2020 9:40 | 16/03/2021 8:00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 393 | 395 | 418 | 420 | 390 | 399 | 376 | 380 | 415 | 384 | 409 | 411 |
| 1290 | 1300 | 1300 | 1310 | 1310 | 1290 | 1320 | 1320 | 1300 | 1270 | 1340 | 1290 | 1290 |
| 928 | 860 | 862 | 836 | 835 | 845 | 860 | 866 | 903 | 827 | 848 | 759 | 815 |
| 6 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 5 | 11 | <5 | <5 | <5 |
| <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| | | | | | <0.0005 | | | | | | | |
| 136 | 137 | 136 | 149 | 144 | 139 | 150 | 138 | 134 | 134 | 132 | 122 | 141 |
| 57 | 55 | 54 | 58 | 55 | 58 | 56 | 57 | 57 | 57 | 57 | 51 | 58 |
| 12 | 11 | 11 | 12 | 11 | 12 | 12 | 12 | 12 | 11 | 12 | 11 | 12 |
| 113 | 109 | 110 | 109 | 110 | 103 | 114 | 102 | 113 | 108 | 110 | 113 | 112 |
| 0.6 | 0.7 | 0.7 | 0.6 | 0.6 | 0.5 | 0.6 | 0.6 | 0.7 | 0.7 | 0.6 | 0.6 | 0.6 |
| 7.77 | 7.82 | 7.83 | 7.66 | 7.72 | 7.71 | 8.01 | 7.91 | 7.67 | 7.76 | 7.67 | 7.92 | 7.7 |
| <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.04 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 178 | 168 | 162 | 188 | 172 | 171 | 172 | 185 | 191 | 159 | 161 | 180 | 183 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 0.8 | 0.75 | 0.84 | 0.84 | 0.74 | 0.5 | 0.63 | 0.71 | 0.75 | 0.66 | 0.86 | 0.62 | 0.59 |
| | | | | | | | | | | | | |
| 0.43 | 0.34 | 0.35 | 0.36 | 0.29 | 0.28 | 0.32 | 0.31 | 0.21 | 0.3 | 0.38 | 0.25 | 0.35 |
| | | | | | | | | | | | | |
| 0.005 | 0.006 | 0.004 | 0.004 | 0.004 | 0.003 | 0.005 | 0.004 | 0.005 | 0.003 | 0.003 | 0.002 | 0.002 |
| 0.006 | 0.007 | 0.005 | 0.005 | 0.004 | | 0.005 | 0.004 | 0.004 | 0.004 | 0.003 | 0.002 | 0.003 |
| | | | | | 0.008 | | | | | | | |
| 0.044 | 0.043 | 0.043 | 0.047 | 0.044 | 0.042 | 0.05 | 0.044 | 0.045 | 0.045 | 0.043 | 0.042 | 0.043 |
| 0.046 | 0.048 | 0.046 | 0.043 | 0.043 | | 0.049 | 0.044 | 0.048 | 0.047 | 0.045 | 0.038 | 0.05 |
| | | | | | 0.045 | | | | | | | |
| 0.17 | 0.17 | 0.17 | 0.18 | 0.17 | 0.16 | 0.12 | 0.1 | 0.14 | 0.14 | 0.16 | 0.17 | 0.17 |
| 0.18 | 0.19 | 0.19 | 0.16 | 0.17 | 0.08 | 0.12 | 0.13 | 0.14 | 0.22 | 0.16 | 0.17 | 0.18 |
| <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | 0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.009 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| <0.001 | 0.002 | <0.001 | <0.001 | <0.001 | 0.003 | 0.002 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.002 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| 0.005 | 0.01 | 0.007 | 0.001 | <0.001 | <0.001 | 0.002 | 0.006 | 0.003 | 0.007 | 0.004 | <0.001 | 0.031 |
| 0.53 | <0.05 | 0.07 | 0.56 | 0.46 | <0.05 | 0.76 | 0.12 | 0.24 | 0.41 | 0.8 | 1.11 | 0.39 |
| 1.82 | 0.94 | 0.52 | 0.68 | 0.5 | 0.68 | 2.71 | 2.08 | 2.4 | 3.3 | 1.69 | 1.06 | 1.9 |
| <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.002 | <0.001 |
| 0.008 | 0.008 | 0.004 | 0.002 | 0.002 | 0.002 | 0.008 | 0.005 | 0.005 | 0.005 | 0.002 | 0.002 | 0.004 |
| 0.066 | 0.066 | 0.065 | 0.07 | 0.063 | 0.072 | 0.061 | 0.068 | 0.062 | 0.065 | 0.064 | 0.065 | 0.068 |
| 0.066 | 0.068 | 0.069 | 0.063 | 0.066 | | 0.062 | 0.063 | 0.076 | 0.077 | 0.069 | 0.06 | 0.071 |
| | | | | | 0.06 | | | | | | | |
| 0.027 | 0.019 | 0.016 | 0.018 | 0.017 | 0.018 | 0.03 | 0.02 | 0.02 | 0.02 | 0.014 | 0.016 | 0.02 |
| 0.031 | 0.024 | 0.018 | 0.018 | 0.016 | | 0.033 | 0.023 | 0.023 | 0.023 | 0.016 | 0.015 | 0.022 |
| | | | | | 0.018 | | | | | | | |
| <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| 0.787 | 0.796 | 0.786 | 0.796 | 0.764 | 0.864 | 0.788 | 0.788 | 0.798 | 0.84 | 0.772 | 0.734 | 0.75 |
| 0.835 | 0.874 | 0.863 | 0.839 | 0.776 | | 0.793 | 0.79 | 0.834 | 0.86 | 0.859 | 0.668 | 0.792 |
| | | | | | 0.738 | | | | | | | |
| 0.019 | 0.019 | 0.016 | 0.016 | 0.013 | 0.021 | 0.011 | 0.005 | 0.01 | <0.005 | 0.025 | 0.015 | 0.007 |
| 0.052 | 0.069 | 0.044 | 0.024 | 0.018 | | 0.065 | 0.036 | 0.04 | 0.034 | 0.038 | 0.014 | 0.045 |
| | | | | | 0.036 | | | | | | | |
| <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |

**RN040936**

**TANUMBIRINI-1/2 IMB (GRF)**

| | LABORATORY METHOD | CHEMICAL NAME | FRACTION D/T/N | RESULT UNIT | No. results | Min | Median | Max | IMB Monitoring Trigger Value | LIMIT OF DETECTION | 13/11/2019 11:40 | 14/11/2019 8:00 | 11/12/2019 10:55 | 15/01/2020 6:50 | 12/02/2020 7:30 | 4/03/2020 12:20 | 19/05/2020 9:00 | 18/09/2020 10:30 | 25/11/2020 11:40 | 16/03/2021 10:50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General, anions, cations and metal | APHA_2320_B | Total Alkalinity as CaCO3 | N | mg/L | 10 | 379 | 392.5 | 420 | 424 | 1 | 416 | 420 | 388 | 397 | 379 | 387 | 412 | 384 | 409 | 408 |
| | APHA_2510_B | Electrical Conductivity @ 25°C | N | µS/cm | 10 | 1280 | 1320 | 1340 | 1360 | 1 | 1320 | 1320 | 1310 | 1330 | 1340 | 1310 | 1280 | 1340 | 1300 | 1300 |
| | APHA_2540_C | Total Dissolved Solids @180°C | T | mg/L | 10 | 783 | 865.5 | 878 | 856 | 10 | 853 | 862 | 878 | 876 | 869 | 875 | 844 | 853 | 783 | 829 |
| | APHA_2540_D | Suspended Solids | N | mg/L | 10 | <5 | 7 | 18 | 6 | 5 | 6 | 8 | 7 | 7 | <5 | 9 | 18 | 6 | 9 | 8 |
| | APHA_3112_CV_FIMS | Mercury | D | mg/L | 10 | <0.0001 | - | <0.0001 | >0.0001 | 0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| | APHA_3112_CV_FIMS | Mercury | T | mg/L | 9 | <0.0001 | - | <0.0001 | >0.0001 | 0.0001 | <0.0001 | <0.0001 | | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| | APHA_3112_CV_FIMS | Mercury | T | mg/L | 1 | <0.0005 | - | <0.0005 | >0.0001 | 0.0005 | | | <0.0005 | | | | | | | |
| | APHA_3120 | Calcium | D | mg/L | 10 | 128 | 142 | 155 | 147 | 1 | 151 | 152 | 140 | 155 | 144 | 137 | 136 | 130 | 128 | 138 |
| | APHA_3120 | Magnesium | D | mg/L | 10 | 54 | 57 | 59 | 60 | 1 | 57 | 58 | 57 | 57 | 59 | 58 | 57 | 57 | 54 | 56 |
| | APHA_3120 | Potassium | D | mg/L | 10 | 11 | 12 | 13 | 12 | 1 | 12 | 12 | 13 | 12 | 12 | 13 | 12 | 12 | 11 | 12 |
| | APHA_4500_Cl | Chloride | N | mg/L | 10 | 103 | 110 | 114 | 112 | 1 | 111 | 110 | 110 | 104 | 103 | 107 | 111 | 112 | 114 | 113 |
| | APHA_4500_F_C | Fluoride | N | mg/L | 10 | 0.6 | 0.6 | 0.7 | 0.7 | 0.1 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 |
| | APHA_4500_H_B | pH - Lab | N | pH Unit | 10 | 7.28 | 7.465 | 7.99 | 7.96 | 0.01 | 7.46 | 7.48 | 7.28 | 7.99 | 7.59 | 7.32 | 7.47 | 7.37 | 7.43 | 7.39 |
| | APHA_4500_NO2_B | Nitrite as N | N | mg/L | 10 | <0.01 | - | <0.01 | >0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| | APHA_4500_NO3_F | Nitrate as N | N | mg/L | 10 | <0.01 | - | <0.01 | >0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| | APHA_4500_SO4_E | Sulfate as SO4 2- | D | mg/L | 10 | 156 | 173.5 | 187 | 177 | 1 | 187 | 186 | 162 | 175 | 185 | 172 | 156 | 166 | 179 | 182 |
| | CSN_75_7611_75_7612 | Gross alpha | N | Bq/L | 10 | 0.54 | 0.725 | 0.82 | 0.86 | 0.05 | 0.79 | 0.82 | 0.54 | 0.54 | 0.63 | 0.7 | 0.75 | 0.82 | 0.76 | 0.58 |
| | CSN_75_7611_75_7612 | Gross beta activity - 40K | N | Bq/L | 10 | 0.2 | 0.315 | 0.39 | 0.4525 | 0.1 | 0.36 | 0.35 | 0.32 | 0.26 | 0.2 | 0.27 | 0.31 | 0.39 | 0.31 | 0.37 |
| | USEPA_6020 | Arsenic | D | mg/L | 10 | 0.002 | 0.003 | 0.004 | 0.007 | 0.001 | 0.004 | 0.004 | 0.002 | 0.003 | 0.003 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 |
| | USEPA_6020 | Arsenic | T | mg/L | 10 | 0.002 | 0.003 | 0.004 | 0.007 | 0.001 | 0.004 | 0.004 | 0.003 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.002 |
| | USEPA_6020 | Barium | D | mg/L | 10 | 0.039 | 0.0445 | 0.05 | 0.046 | 0.001 | 0.045 | 0.046 | 0.039 | 0.05 | 0.044 | 0.045 | 0.043 | 0.043 | 0.043 | 0.044 |
| | USEPA_6020 | Barium | T | mg/L | 9 | 0.039 | 0.044 | 0.049 | 0.046 | 0.001 | 0.043 | 0.044 | | 0.049 | 0.043 | 0.047 | 0.046 | 0.044 | 0.039 | 0.049 |
| | USEPA_6020 | Barium | T | mg/L | 1 | 0.042 | 0.042 | 0.042 | 0.046 | 0.005 | | | 0.042 | | | | | | | |
| | USEPA_6020 | Boron | D | mg/L | 10 | 0.12 | 0.155 | 0.19 | 0.19 | 0.05 | 0.19 | 0.19 | 0.17 | 0.13 | 0.12 | 0.14 | 0.15 | 0.16 | 0.18 | 0.17 |
| | USEPA_6020 | Boron | T | mg/L | 10 | 0.08 | 0.135 | 0.2 | 0.19 | 0.05 | 0.17 | 0.17 | 0.08 | 0.13 | 0.13 | 0.12 | 0.2 | 0.14 | 0.16 | 0.2 |
| | USEPA_6020 | Cadmium | D | mg/L | 10 | <0.0001 | - | <0.0001 | 0.0001 | 0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| | USEPA_6020 | Cadmium | T | mg/L | 10 | <0.0001 | - | <0.0001 | 0.0001 | 0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| | USEPA_6020 | Chromium | D | mg/L | 10 | <0.001 | - | <0.001 | >0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Chromium | T | mg/L | 10 | <0.001 | - | <0.001 | >0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Copper | D | mg/L | 10 | <0.001 | - | <0.001 | >0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Copper | T | mg/L | 10 | <0.001 | 0.003 | 0.005 | >0.001 | 0.001 | 0.004 | 0.002 | <0.001 | 0.005 | 0.004 | 0.001 | 0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Iron | D | mg/L | 10 | <0.05 | 3.3 | 4.73 | 0.4425 | 0.05 | 3.68 | 4.73 | <0.05 | 2.92 | 3.3 | 4.02 | 2.9 | 2.16 | 3.1 | 2.37 |
| | USEPA_6020 | Iron | T | mg/L | 10 | 2.27 | 4.51 | 6.19 | 0.4425 | 0.05 | 4.12 | 6.19 | 4.48 | 4.72 | 4.02 | 4.54 | 6.17 | 2.27 | 4.69 | 3.58 |
| | USEPA_6020 | Lead | D | mg/L | 10 | <0.001 | - | <0.001 | 0.00225 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Lead | T | mg/L | 10 | <0.001 | 0.002 | 0.005 | 0.00225 | 0.001 | 0.004 | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | 0.005 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Lithium | D | mg/L | 10 | 0.055 | 0.067 | 0.074 | 0.073 | 0.001 | 0.07 | 0.071 | 0.074 | 0.062 | 0.055 | 0.064 | 0.066 | 0.068 | 0.071 | 0.067 |
| | USEPA_6020 | Lithium | T | mg/L | 9 | 0.058 | 0.065 | 0.076 | 0.073 | 0.001 | 0.069 | 0.065 | | 0.062 | 0.064 | 0.075 | 0.076 | 0.065 | 0.058 | 0.074 |
| | USEPA_6020 | Lithium | T | mg/L | 1 | 0.064 | 0.064 | 0.064 | 0.073 | 0.005 | | | 0.064 | | | | | | | |
| | USEPA_6020 | Manganese | D | mg/L | 10 | 0.023 | 0.0425 | 0.062 | 0.019 | 0.001 | 0.05 | 0.062 | 0.042 | 0.044 | 0.037 | 0.043 | 0.028 | 0.023 | 0.036 | 0.031 |
| | USEPA_6020 | Manganese | T | mg/L | 9 | 0.025 | 0.04 | 0.062 | 0.019 | 0.001 | 0.052 | 0.062 | | 0.04 | 0.037 | 0.045 | 0.031 | 0.025 | 0.033 | 0.032 |
| | USEPA_6020 | Manganese | T | mg/L | 1 | 0.042 | 0.042 | 0.042 | 0.019 | 0.005 | | | 0.042 | | | | | | | |
| | USEPA_6020 | Selenium | D | mg/L | 10 | <0.01 | - | <0.01 | >0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| | USEPA_6020 | Selenium | T | mg/L | 10 | <0.01 | - | <0.01 | >0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| | USEPA_6020 | Silver | D | mg/L | 10 | <0.001 | - | <0.001 | >0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Silver | T | mg/L | 10 | <0.001 | - | <0.001 | >0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Strontium | D | mg/L | 10 | 0.722 | 0.7965 | 0.86 | 0.823 | 0.001 | 0.794 | 0.794 | 0.854 | 0.798 | 0.795 | 0.808 | 0.86 | 0.752 | 0.758 | 0.722 |
| | USEPA_6020 | Strontium | T | mg/L | 9 | 0.702 | 0.837 | 0.876 | 0.823 | 0.001 | 0.763 | 0.846 | | 0.803 | 0.774 | 0.837 | 0.854 | 0.876 | 0.702 | 0.769 |
| | USEPA_6020 | Strontium | T | mg/L | 1 | 0.764 | 0.764 | 0.764 | 0.823 | 0.005 | | | 0.764 | | | | | | | |
| | USEPA_6020 | Zinc | D | mg/L | 10 | 0.006 | 0.011 | 0.024 | 0.039 | 0.005 | 0.006 | 0.009 | 0.011 | 0.013 | 0.01 | 0.012 | 0.011 | 0.024 | 0.021 | 0.015 |
| | USEPA_6020 | Zinc | T | mg/L | 10 | 0.013 | 0.0215 | 0.041 | 0.039 | 0.005 | 0.015 | 0.022 | 0.013 | 0.041 | 0.023 | 0.021 | 0.026 | 0.02 | 0.02 | 0.021 |
| Diss. pet. gases | EP033-LL | Ethane | N | µg/L | 10 | <1 | - | <1 | >1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | EP033-LL | Methane | N | µg/L | 10 | 3 | 3.5 | 9 | >1 | 1 | 3 | 4 | 3 | 7 | 4 | 3 | 3 | 8 | 9 | 8 |
| | EP033-LL | Propane | N | µg/L | 10 | <1 | - | <1 | >1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total recoverable hydrocarbons | USEPA_8015 | >C10 - C16 Fraction | N | µg/L | 9 | <100 | <100 | 130 | >100 | 100 | | <100 | <100 | 130 | 120 | 120 | <100 | <100 | <100 | <100 |
| | USEPA_8015 | >C10 - C16 Fraction minus Naphth | N | µg/L | 9 | <100 | <100 | 130 | >100 | 100 | | <100 | <100 | 130 | 120 | 120 | <100 | <100 | <100 | <100 |
| | USEPA_8015 | >C10 - C40 Fraction (sum) | N | µg/L | 9 | <100 | <100 | 130 | >100 | 100 | | <100 | <100 | 130 | 120 | 120 | <100 | <100 | <100 | <100 |
| | USEPA_8015 | >C16 - C34 Fraction | N | µg/L | 9 | <100 | - | <100 | >100 | 100 | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| | USEPA_8015 | >C34 - C40 Fraction | N | µg/L | 9 | <100 | - | <100 | >100 | 100 | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| | USEPA_8015 | C6 - C36 Fraction (Sum) | N | µg/L | 9 | <20 | 120 | 140 | >20 | 20 | | <20 | 80 | 140 | 120 | 120 | 90 | <20 | <20 | <20 |
| | USEPA_8260 | C6 - C10 Fraction | N | µg/L | 9 | <20 | - | <20 | >20 | 20 | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| | USEPA_8260 | C6 - C10 Fraction minus BTEX (F1) | N | µg/L | 9 | <20 | - | <20 | >20 | 20 | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| | USEPA_8260 | C6 - C9 Fraction | N | µg/L | 9 | <20 | - | <20 | >20 | 20 | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| BTEX | USEPA_8260 | Benzene | N | µg/L | 10 | <1 | - | <1 | >1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | USEPA_8260 | Ethylbenzene | N | µg/L | 10 | <2 | - | <2 | >2 | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| | USEPA_8260 | meta- & para-Xylene | N | µg/L | 10 | <2 | - | <2 | >2 | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| | USEPA_8260 | Naphthalene | N | µg/L | 10 | <5 | - | <5 | >5 | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| | USEPA_8260 | ortho-Xylene | N | µg/L | 10 | <2 | - | <2 | >2 | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| | USEPA_8260 | Sum of BTEX | N | µg/L | 10 | <1 | - | <1 | >1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | USEPA_8260 | Toluene | N | µg/L | 10 | <2 | - | <2 | >2 | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| | USEPA_8260 | Total Xylenes | N | µg/L | 10 | <2 | - | <2 | >2 | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| PAH Suite | USEPA_8270_UT | 3-Methylcholanthrene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | 7.12-Dimethylbenz(a)anthracene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Acenaphthene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Acenaphthylene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Anthracene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Benz(a)anthracene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Benzo(a)pyrene | N | µg/L | 10 | <0.05 | - | <0.05 | >0.05 | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| | USEPA_8270_UT | Benzo(a)pyrene TEQ (zero) | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Benzo(b+j)fluoranthene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Benzo(g.h.i)perylene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Benzo(k)fluoranthene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Chrysene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Dibenz(a.h)anthracene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Fluoranthene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Fluorene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Indeno(1.2.3.cd)pyrene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Naphthalene | N | µg/L | 10 | <0.1 | - | <0.1 | >5 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Phenanthrene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Pyrene | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Sum of polycyclic aromatic hydroca | N | µg/L | 10 | <0.1 | - | <0.1 | >0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |

**RN040931**

**Note:** sample for **19/03/2021** 9:15:00 AM is unavailable due to issue with road conditions.

**INACUMBA 1 WATER SUPPLY BORE - RN040931 - Control Monitoring Bore**

| | LABORATORY METHOD | CHEMICAL NAME | FRACTION D/T/N | RESULT UNIT | No. results | Min | Median | Max | LIMIT OF DETECTION | 17/12/2018 2:30 | 29/07/2019 5:45 | 3/08/2019 10:30 | 6/08/2019 1:30 | 19/08/2019 3:30 | 27/08/2019 4:00 | 28/08/2019 9:10 | 11/09/2019 3:50 | 12/09/2019 8:00 | 25/09/2019 1:25 | 26/09/2019 8:40 | 9/10/2019 12:25 | 10/10/2019 8:20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General, anions, cations and metal | APHA_2320_B | Total Alkalinity as CaCO3 | N | mg/L | 21 | 251 | 436.5 | 470 | 1 | 363 | 451 | 461 | 463 | 463 | 459 | 470 | 447 | 455 | 408 | 456 | 364 | 426 |
| | APHA_2510_B | Electrical Conductivity @ 25°C | N | µS/cm | 21 | 1230 | 1780 | 1940 | 1 | 1560 | 1900 | 1940 | 1930 | 1830 | 1830 | 1810 | 1860 | 1890 | 1670 | 1790 | 1580 | 1770 |
| | APHA_2540_C | Total Dissolved Solids @180°C | T | mg/L | 21 | 708 | 1165 | 1330 | 10 | 976 | 1130 | 1170 | 1160 | 1200 | 1240 | 1230 | 1250 | 1270 | 1150 | 1270 | 1160 | 1330 |
| | APHA_2540_D | Suspended Solids | N | mg/L | 21 | <5 | 20.5 | 36 | 5 | 35 | 15 | 13 | 20 | <5 | 11 | 36 | 9 | 20 | 24 | 23 | 21 | 31 |
| | APHA_3112_CV_FIMS | Mercury | D | mg/L | 21 | <0.0001 | - | <0.0001 | 0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| | APHA_3112_CV_FIMS | Mercury | T | mg/L | 20 | <0.0001 | - | <0.0001 | 0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| | APHA_3112_CV_FIMS | Mercury | T | mg/L | 1 | <0.0005 | - | <0.0005 | 0.0005 | | | | | | | | | | | | | |
| | APHA_3120 | Calcium | D | mg/L | 21 | 22 | 136 | 163 | 1 | 134 | 150 | 163 | 159 | 138 | 162 | 155 | 139 | 143 | 114 | 147 | 90 | 133 |
| | APHA_3120 | Magnesium | D | mg/L | 21 | 82 | 103 | 122 | 1 | 88 | 109 | 117 | 115 | 97 | 122 | 106 | 103 | 102 | 103 | 114 | 102 | 106 |
| | APHA_3120 | Potassium | D | mg/L | 21 | 22 | 27 | 33 | 1 | 22 | 29 | 28 | 28 | 25 | 28 | 27 | 26 | 26 | 27 | 28 | 27 | 26 |
| | APHA_4500_Cl | Chloride | N | mg/L | 21 | 142 | 154.5 | 160 | 1 | 148 | 154 | 156 | 155 | 151 | 159 | 152 | 155 | 156 | 160 | 159 | 156 | 159 |
| | APHA_4500_F_C | Fluoride | N | mg/L | 21 | 1.4 | 2.55 | 3 | 0.1 | 1.8 | 2.7 | 2.8 | 2.7 | 3 | 2.7 | 2.8 | 2.6 | 2.7 | 2.5 | 2.8 | 2.2 | 2.5 |
| | APHA_4500_H_B | pH - Lab | N | pH Unit | 21 | 7.36 | 7.88 | 8.47 | 0.01 | 8.06 | 7.42 | 7.36 | 7.47 | 8.03 | 7.96 | 8 | 7.51 | 7.43 | 8.11 | 7.81 | 7.93 | 7.83 |
| | APHA_4500_NO2_B | Nitrite as N | N | mg/L | 21 | <0.01 | - | <0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| | APHA_4500_NO3_F | Nitrate as N | N | mg/L | 21 | <0.01 | 0.09 | 2.12 | 0.01 | 0.02 | <0.01 | <0.01 | <0.01 | <0.01 | 0.09 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| | APHA_4500_SO4_E | Sulfate as SO4 2- | D | mg/L | 21 | 192 | 372.5 | 451 | 1 | 328 | 444 | 451 | 450 | 396 | 368 | 386 | 380 | 384 | 343 | 377 | 346 | 407 |
| | ASTM_D7283-06 | Gross alpha | N | Bq/L | 1 | 1.7 | - | 1.7 | 0.05 | 1.7 | | | | | | | | | | | | |
| | ASTM_D7283-06 | Gross beta activity - 40K | N | Bq/L | 1 | 0.84 | - | 0.84 | 0.1 | 0.84 | | | | | | | | | | | | |
| | CSN_75_7611_75_7612 | Gross alpha | N | Bq/L | 20 | 0.05 | 0.265 | 0.4 | 0.05 | | 0.27 | 0.27 | 0.26 | 0.36 | 0.32 | 0.24 | 0.27 | 0.25 | 0.27 | 0.35 | 0.24 | 0.4 |
| | CSN_75_7611_75_7612 | Gross beta activity - 40K | N | Bq/L | 20 | 0.1 | 0.22 | 0.33 | 0.1 | | 0.33 | 0.2 | 0.28 | 0.26 | 0.28 | 0.27 | 0.12 | 0.2 | 0.27 | 0.28 | 0.22 | 0.24 |
| | USEPA_6020 | Arsenic | D | mg/L | 21 | <0.001 | 0.001 | 0.003 | 0.001 | 0.003 | 0.001 | 0.002 | <0.001 | 0.002 | 0.002 | 0.001 | 0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Arsenic | T | mg/L | 21 | <0.001 | 0.002 | 0.01 | 0.001 | 0.01 | 0.001 | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| | USEPA_6020 | Barium | D | mg/L | 21 | 0.019 | 0.031 | 0.047 | 0.001 | 0.028 | 0.036 | 0.032 | 0.026 | 0.029 | 0.03 | 0.033 | 0.031 | 0.031 | 0.019 | 0.036 | 0.027 | 0.033 |
| | USEPA_6020 | Barium | T | mg/L | 20 | 0.026 | 0.036 | 0.048 | 0.001 | 0.036 | 0.038 | 0.034 | 0.034 | 0.032 | 0.03 | 0.033 | 0.037 | 0.038 | 0.037 | 0.04 | 0.035 | 0.044 |
| | USEPA_6020 | Barium | T | mg/L | 1 | 0.032 | - | 0.032 | 0.005 | | | | | | | | | | | | | |
| | USEPA_6020 | Boron | D | mg/L | 21 | 0.1 | 0.24 | 0.31 | 0.05 | 0.31 | 0.26 | 0.27 | 0.28 | 0.27 | 0.23 | 0.25 | 0.24 | 0.24 | 0.12 | 0.28 | 0.23 | 0.25 |
| | USEPA_6020 | Boron | T | mg/L | 21 | 0.06 | 0.26 | 0.3 | 0.05 | 0.27 | 0.25 | 0.24 | 0.26 | 0.3 | 0.3 | 0.3 | 0.28 | 0.3 | 0.26 | 0.25 | 0.26 | 0.26 |
| | USEPA_6020 | Cadmium | D | mg/L | 21 | <0.0001 | - | <0.0001 | 0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| | USEPA_6020 | Cadmium | T | mg/L | 21 | <0.0001 | - | <0.0001 | 0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| | USEPA_6020 | Chromium | D | mg/L | 21 | <0.001 | - | <0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Chromium | T | mg/L | 21 | <0.001 | <0.001 | 0.003 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Copper | D | mg/L | 21 | <0.001 | - | <0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Copper | T | mg/L | 21 | <0.001 | 0.001 | 0.002 | 0.001 | 0.002 | <0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Iron | D | mg/L | 21 | <0.05 | 2.21 | 9.58 | 0.05 | <0.05 | 3.3 | 2.21 | 2.02 | 2.49 | 5.37 | 8.65 | 1.39 | 6.37 | <0.05 | 9.58 | <0.05 | 0.24 |
| | USEPA_6020 | Iron | T | mg/L | 21 | 1.45 | 7.805 | 19.1 | 0.05 | 7.33 | 3.67 | 8.28 | 9.52 | 4.28 | 5.7 | 13.3 | 5.03 | 11.3 | 14.6 | 16.4 | 13.1 | 19.1 |
| | USEPA_6020 | Lead | D | mg/L | 21 | <0.001 | - | <0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Lead | T | mg/L | 21 | <0.001 | - | <0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Lithium | D | mg/L | 21 | 0.19 | 0.4235 | 0.51 | 0.001 | 0.416 | 0.406 | 0.396 | 0.423 | 0.424 | 0.448 | 0.424 | 0.422 | 0.413 | 0.19 | 0.485 | 0.358 | 0.394 |
| | USEPA_6020 | Lithium | T | mg/L | 20 | 0.199 | 0.45 | 0.606 | 0.001 | 0.365 | 0.475 | 0.435 | 0.463 | 0.452 | 0.503 | 0.515 | 0.431 | 0.448 | 0.484 | 0.461 | 0.45 | 0.433 |
| | USEPA_6020 | Lithium | T | mg/L | 1 | 0.392 | - | 0.392 | 0.005 | | | | | | | | | | | | | |
| | USEPA_6020 | Manganese | D | mg/L | 21 | 0.068 | 0.168 | 0.249 | 0.001 | 0.142 | 0.203 | 0.081 | 0.234 | 0.133 | 0.21 | 0.249 | 0.123 | 0.226 | 0.108 | 0.232 | 0.164 | 0.197 |
| | USEPA_6020 | Manganese | T | mg/L | 20 | 0.072 | 0.2 | 0.269 | 0.001 | 0.163 | 0.221 | 0.231 | 0.255 | 0.137 | 0.183 | 0.269 | 0.137 | 0.249 | 0.213 | 0.237 | 0.191 | 0.218 |
| | USEPA_6020 | Manganese | T | mg/L | 1 | 0.206 | - | 0.206 | 0.005 | | | | | | | | | | | | | |
| | USEPA_6020 | Selenium | D | mg/L | 21 | <0.01 | - | <0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| | USEPA_6020 | Selenium | T | mg/L | 21 | <0.01 | - | <0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| | USEPA_6020 | Silver | D | mg/L | 21 | <0.001 | - | <0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Silver | T | mg/L | 21 | <0.001 | - | <0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| | USEPA_6020 | Strontium | D | mg/L | 21 | 0.096 | 0.8865 | 1.02 | 0.001 | 0.868 | 0.957 | 1.02 | 0.99 | 0.984 | 0.974 | 0.98 | 0.916 | 0.934 | 0.428 | 1 | 0.671 | 0.871 |
| | USEPA_6020 | Strontium | T | mg/L | 20 | 0.082 | 0.958 | 1.16 | 0.001 | 0.835 | 0.958 | 1 | 1.02 | 1.03 | 1.13 | 1.16 | 0.946 | 0.97 | 0.879 | 1.03 | 0.729 | 0.959 |
| | USEPA_6020 | Strontium | T | mg/L | 1 | 0.318 | - | 0.318 | 0.005 | | | | | | | | | | | | | |
| | USEPA_6020 | Zinc | D | mg/L | 21 | <0.005 | 0.024 | 0.098 | 0.005 | 0.014 | 0.047 | 0.078 | 0.017 | 0.044 | 0.05 | 0.023 | 0.024 | 0.016 | 0.098 | 0.012 | <0.005 | <0.005 |
| | USEPA_6020 | Zinc | T | mg/L | 20 | 0.028 | 0.05 | 0.473 | 0.005 | 0.041 | 0.052 | 0.081 | 0.067 | 0.056 | 0.05 | 0.064 | 0.04 | 0.031 | 0.473 | 0.047 | 0.043 | 0.044 |
| | USEPA_6020 | Zinc | T | mg/L | 1 | 0.099 | - | 0.099 | 0.026 | | | | | | | | | | | | | |
| Diss. pet. gases | EP033-LL | Ethane | N | µg/L | 20 | <1 | - | <1 | 1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | EP033-LL | Methane | N | µg/L | 20 | <1 | - | <1 | 1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | EP033-LL | Propane | N | µg/L | 20 | <1 | - | <1 | 1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total recoverable hydrocarbons | USEPA_8015 | >C10 - C16 Fraction | N | µg/L | 21 | <100 | <100 | 100 | 100 | 100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| | USEPA_8015 | >C10 - C16 Fraction minus Naphthal | N | µg/L | 21 | <100 | <100 | 100 | 100 | 100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| | USEPA_8015 | >C10 - C40 Fraction (sum) | N | µg/L | 21 | <100 | 240 | 380 | 100 | 380 | <100 | 100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| | USEPA_8015 | >C16 - C34 Fraction | N | µg/L | 21 | <100 | 190 | 280 | 100 | 280 | <100 | 100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| | USEPA_8015 | >C34 - C40 Fraction | N | µg/L | 21 | <100 | - | <100 | 100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| | USEPA_8015 | C6 - C36 Fraction (Sum) | N | µg/L | 17 | <20 | <20 | 120 | 20 | | | | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| | USEPA_8260 | C6 - C10 Fraction | N | µg/L | 21 | <20 | - | <20 | 20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| | USEPA_8260 | C6 - C10 Fraction minus BTEX (F1) | N | µg/L | 21 | <20 | - | <20 | 20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| | USEPA_8260 | C6 - C9 Fraction | N | µg/L | 21 | <20 | - | <20 | 20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| BTEX | USEPA_8260 | Benzene | N | µg/L | 21 | <1 | - | <1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | USEPA_8260 | Ethylbenzene | N | µg/L | 21 | <2 | - | <2 | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| | USEPA_8260 | meta- & para-Xylene | N | µg/L | 21 | <2 | - | <2 | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| | USEPA_8260 | Naphthalene | N | µg/L | 21 | <5 | - | <5 | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| | USEPA_8260 | ortho-Xylene | N | µg/L | 21 | <2 | - | <2 | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| | USEPA_8260 | Sum of BTEX | N | µg/L | 21 | <1 | <1 | 2 | <1 | <1 | 2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | USEPA_8260 | Toluene | N | µg/L | 21 | <2 | <1 | 2 | <2 | <2 | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| | USEPA_8260 | Total Xylenes | N | µg/L | 21 | <2 | - | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| PAH Suite | USEPA_8270_UT | 3-Methylcholanthrene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | 7.12-Dimethylbenz(a)anthracene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Acenaphthene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Acenaphthylene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Anthracene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Benz(a)anthracene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Benzo(a)pyrene | N | µg/L | 19 | <0.05 | - | <0.05 | 0.05 | | <0.05 | <0.05 | <0.05 | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| | USEPA_8270_UT | Benzo(a)pyrene TEQ (zero) | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Benzo(b+j)fluoranthene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Benzo(g.h.i)perylene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Benzo(k)fluoranthene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Chrysene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Dibenz(a.h)anthracene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Fluoranthene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Fluorene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Indeno(1.2.3.cd)pyrene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Naphthalene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Phenanthrene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Pyrene | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270_UT | Sum of polycyclic aromatic hydrocar | N | µg/L | 19 | <0.1 | - | <0.1 | 0.1 | | <0.1 | <0.1 | <0.1 | | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | USEPA_8270B_PAH | Acenaphthene | N | µg/L | 1 | <1 | - | <1 | 1 | <1 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Acenaphthylene | N | µg/L | 1 | <1 | - | <1 | 1 | <1 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Anthracene | N | µg/L | 1 | <1 | - | <1 | 1 | <1 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Benz(a)anthracene | N | µg/L | 1 | <1 | - | <1 | 1 | <1 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Benzo(a)pyrene | N | µg/L | 1 | <0.5 | - | <0.5 | 0.5 | <0.5 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Benzo(a)pyrene TEQ (zero) | N | µg/L | 1 | <0.5 | - | <0.5 | 0.5 | <0.5 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Benzo(b+j)fluoranthene | N | µg/L | 1 | <1 | - | <1 | 1 | <1 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Benzo(g.h.i)perylene | N | µg/L | 1 | <1 | - | <1 | 1 | <1 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Benzo(k)fluoranthene | N | µg/L | 1 | <1 | - | <1 | 1 | <1 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Chrysene | N | µg/L | 1 | <1 | - | <1 | 1 | <1 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Dibenz(a.h)anthracene | N | µg/L | 1 | <1 | - | <1 | 1 | <1 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Fluoranthene | N | µg/L | 1 | <1 | - | <1 | 1 | <1 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Fluorene | N | µg/L | 1 | <1 | - | <1 | 1 | <1 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Indeno(1.2.3.cd)pyrene | N | µg/L | 1 | <1 | - | <1 | 1 | <1 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Naphthalene | N | µg/L | 1 | <1 | - | <1 | 1 | <1 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Phenanthrene | N | µg/L | 1 | <1 | - | <1 | 1 | <1 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Pyrene | N | µg/L | 1 | <1 | - | <1 | 1 | <1 | | | | | | | | | | | | |
| | USEPA_8270B_PAH | Sum of polycyclic aromatic hydrocar | N | µg/L | 1 | <0.5 | - | <0.5 | 0.5 | <0.5 | | | | | | | | | | | | |

| 22/10/2019 1:25 | 23/10/2019 8:43 | 13/11/2019 4:00 | 10/12/2019 15:45 | 14/01/2020 10:45 | 20/05/2020 15:55 | 17/09/2020 12:00 | 26/11/2020 11:00 |
|---|---|---|---|---|---|---|---|
| 366 | 408 | 450 | 308 | 264 | 251 | 255 | 274 |
| 1590 | 1720 | 1790 | 1470 | 1360 | 1230 | 1260 | 1310 |
| 1040 | 1170 | 1230 | 932 | 863 | 739 | 708 | 744 |
| 21 | 30 | <5 | 13 | <5 | 8 | <5 | 13 |
| <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| <0.0001 | <0.0001 | <0.0001 | | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| | | | <0.0005 | | | | |
| 88 | 122 | 150 | 59 | 28 | 24 | 22 | 26 |
| 97 | 102 | 108 | 106 | 102 | 82 | 84 | 86 |
| 27 | 27 | 26 | 31 | 33 | 30 | 30 | 28 |
| 153 | 153 | 155 | 142 | 154 | 146 | 149 | 154 |
| 2.3 | 2.6 | 2.4 | 1.6 | 1.6 | 1.7 | 1.5 | 1.4 |
| 7.73 | 7.53 | 7.6 | 8 | 8.47 | 8.18 | 8.24 | 8.11 |
| <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 2.12 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 304 | 350 | 410 | 254 | 251 | 195 | 192 | 239 |
| | | | | | | | |
| | | | | | | | |
| 0.18 | 0.2 | 0.34 | 0.05 | <0.05 | 0.18 | 0.19 | 0.16 |
| 0.1 | 0.16 | 0.3 | 0.22 | 0.16 | 0.17 | 0.16 | 0.1 |
| <0.001 | 0.001 | <0.001 | <0.001 | <0.001 | 0.001 | 0.001 | <0.001 |
| 0.002 | 0.002 | <0.001 | 0.001 | <0.001 | 0.002 | 0.001 | 0.001 |
| 0.032 | 0.041 | 0.047 | 0.026 | 0.019 | 0.033 | 0.029 | 0.026 |
| 0.039 | 0.048 | 0.045 | | 0.026 | 0.036 | 0.032 | 0.026 |
| | | | 0.032 | | | | |
| 0.23 | 0.24 | 0.25 | 0.24 | 0.1 | 0.19 | 0.22 | 0.26 |
| 0.26 | 0.28 | 0.25 | 0.13 | 0.06 | 0.28 | 0.2 | 0.24 |
| <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.003 |
| <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| 0.88 | 4.97 | 1.33 | 0.21 | <0.05 | <0.05 | 0.29 | 0.07 |
| 12 | 15.5 | 3.47 | 5.89 | 3.57 | 1.45 | 1.83 | 4 |
| <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| 0.44 | 0.443 | 0.431 | 0.459 | 0.252 | 0.453 | 0.51 | 0.463 |
| 0.408 | 0.408 | 0.422 | | 0.199 | 0.606 | 0.45 | 0.425 |
| | | | 0.392 | | | | |
| 0.172 | 0.189 | 0.098 | 0.207 | 0.068 | 0.069 | 0.07 | 0.125 |
| 0.2 | 0.213 | 0.097 | | 0.072 | 0.079 | 0.076 | 0.125 |
| | | | 0.206 | | | | |
| <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| 0.666 | 0.853 | 0.902 | 0.368 | 0.096 | 0.165 | 0.138 | 0.136 |
| 0.729 | 0.896 | 0.959 | | 0.082 | 0.178 | 0.143 | 0.125 |
| | | | 0.318 | | | | |
| <0.005 | 0.012 | 0.036 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| 0.06 | 0.048 | 0.044 | | 0.086 | 0.028 | 0.07 | 0.33 |
| | | | 0.099 | | | | |
| <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| <100 | <100 | <100 | <100 | <100 | <100 | <100 | 130 |
| <100 | <100 | <100 | <100 | <100 | <100 | <100 | 130 |
| <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| <20 | <20 | 60 | <20 | <20 | <20 | <20 | 120 |
| <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |