

10/16/2018

| Station Name | Fresh Water Criteria | | | | Pleasant Brook at Crescent Avenue | | Pleasant Brook at Meadowbrook Road | | Pleasant Brook at Lake Street | | Saddle River at Lake Street | | Saddle River at Confluence with Pleasant Brook | |
|---------------|-------------------------------|-------------------------------|------------|------------|-----------------------------------|------------|------------------------------------|------------|-------------------------------|------------|-----------------------------|------------|--|------------|
| | USEPA Drinking Water Standard | NJDEP Drinking Water Standard | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved |
| Sample Date | NJ Surface Water - Fresh | NJ Surface Water - Fresh | 10/16/2018 | 10/16/2018 | 10/16/2018 | 10/16/2018 | 10/16/2018 | 10/16/2018 | 10/16/2018 | 10/16/2018 | 10/16/2018 | 10/16/2018 | 10/16/2018 | 10/16/2018 |
| Lab Sample ID | Water - Fresh | Water - Fresh | L1842040-1 | | L1842040-2 | | L1842040-3 | | L1842040-4 | | L1842040-5 | | | |
| Matrix | Water Acute | Water Chronic | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| Sampler | | | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS |
| Units | ug/l | ug/l | ug/l | ug/L | ug/l | ug/L | ug/l | ug/L | ug/l | ug/l | ug/l | ug/l | ug/l | ug/L |
| Metals | | | | | | | | | | | | | | |
| Arsenic | 340 | 150 | 10 | 5 | 0.59 | 0.57 | 2.18 | 1.31 | 0.86 | 0.71 | 0.59 | 0.52 | 0.58 | 0.54 |

10/29/2018

| Station Name | Fresh Water Criteria | | | | Pleasant Brook at Crescent Avenue | | Pleasant Brook at Meadowbrook Road | | Pleasant Brook at Lake Street | | Saddle River at Lake Street | | Saddle River at Confluence with Pleasant Brook | |
|---------------|-------------------------------|-------------------------------|-------------|------------|-----------------------------------|------------|------------------------------------|------------|-------------------------------|------------|-----------------------------|------------|--|------------|
| | USEPA Drinking Water Standard | NJDEP Drinking Water Standard | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved |
| Sample Date | NJ Surface Water - Fresh | NJ Surface Water - Fresh | 10/29/2018 | 10/29/2018 | 10/29/2018 | 10/29/2018 | 10/29/2018 | 10/29/2018 | 10/29/2018 | 10/29/2018 | 10/29/2018 | 10/29/2018 | 10/29/2018 | 10/29/2018 |
| Lab Sample ID | Water - Fresh | Water - Fresh | L1844013-01 | | L1844013-02 | | L1844013-03 | | L1844013-04 | | L1844013-05 | | | |
| Matrix | Water Acute | Water Chronic | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| Sampler | | | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS |
| Units | ug/l | ug/l | ug/l | ug/L | ug/l | ug/L | ug/l | ug/L | ug/l | ug/l | ug/l | ug/l | ug/l | ug/L |
| Metals | | | | | | | | | | | | | | |
| Arsenic | 340 | 150 | 10 | 5 | 0.63 | 0.62 | 2.45 | 1.39 | 0.83 | 0.56 | 0.48 | 0.42 | 1.07 | 0.4 |

11/12/2018

| Station Name | Fresh Water Criteria | | | | Pleasant Brook at Crescent Avenue | | Pleasant Brook at Meadowbrook Road | | Pleasant Brook at Lake Street | | Saddle River at Lake Street | | Saddle River at Confluence with Pleasant Brook | |
|---------------|-------------------------------|-------------------------------|-------------|------------|-----------------------------------|------------|------------------------------------|------------|-------------------------------|------------|-----------------------------|------------|--|------------|
| | USEPA Drinking Water Standard | NJDEP Drinking Water Standard | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved |
| Sample Date | NJ Surface Water - Fresh | NJ Surface Water - Fresh | 11/12/2018 | 11/12/2018 | 11/12/2018 | 11/12/2018 | 11/12/2018 | 11/12/2018 | 11/12/2018 | 11/12/2018 | 11/12/2018 | 11/12/2018 | 11/12/2018 | 11/12/2018 |
| Lab Sample ID | Water - Fresh | Water - Fresh | L1846243-01 | | L1846243-02 | | L1846243-03 | | L1846243-04 | | L1846243-05 | | | |
| Matrix | Water Acute | Water Chronic | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| Sampler | | | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS |
| Units | ug/l | ug/l | ug/l | ug/L | ug/l | ug/L | ug/l | ug/L | ug/l | ug/l | ug/l | ug/l | ug/l | ug/L |
| Metals | | | | | | | | | | | | | | |
| Arsenic | 340 | 150 | 10 | 5 | 0.43 | 0.46 | 3.43 | 1 | 1.25 | 0.67 | 0.41 | 0.45 | 0.51 | 0.44 |

12/21/2018

| Station Name | Fresh Water Criteria | | | | Pleasant Brook at Crescent Avenue | | Pleasant Brook at Meadowbrook Road | | Pleasant Brook at Lake Street | | Outfall at Ripplewood Drive | | Saddle River at Lake Street | | Saddle River at Confluence with Pleasant Brook | |
|---------------|-------------------------------|-------------------------------|-------------|------------|-----------------------------------|------------|------------------------------------|------------|-------------------------------|------------|-----------------------------|------------|-----------------------------|------------|--|------------|
| | USEPA Drinking Water Standard | NJDEP Drinking Water Standard | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved |
| Sample Date | NJ Surface Water - Fresh | NJ Surface Water - Fresh | 12/21/2018 | 12/21/2018 | 12/21/2018 | 12/21/2018 | 12/21/2018 | 12/21/2018 | 12/21/2018 | 12/21/2018 | 12/21/2018 | 12/21/2018 | 12/21/2018 | 12/21/2018 | 12/21/2018 | 12/21/2018 |
| Lab Sample ID | Water - Fresh | Water - Fresh | L1852797-01 | | L1852797-02 | | L1852797-03 | | L1852797-04 | | L1852797-05 | | L1852797-06 | | | |
| Matrix | Water Acute | Water Chronic | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| Sampler | | | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS | EDS |
| Units | ug/l | ug/l | ug/l | ug/L | ug/l | ug/L | ug/l | ug/L | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l | ug/L |
| Metals | | | | | | | | | | | | | | | | |
| Arsenic | 340 | 150 | 10 | 5 | 2.02 | 1.22 | 9.25 | 2.65 | 6.06 | 2.23 | 2.33 | 0.94 | 2.33 | 0.94 | 2.45 | 1.02 |

ug/l = micrograms per liter = parts per billion = ppb
 ND = Not Detected

2/15/2019

| Station Name | Fresh Water Criteria | | USEPA Drinking Water Standard | NJDEP Drinking Water Standard | Pleasant Brook at Crescent Avenue | | Pleasant Brook at Meadowbrook Road | | Pleasant Brook at Lake Street | | Outfall at Ripplewood Drive | | Saddle River at Lake Street | | Saddle River at Confluence with Pleasant Brook | |
|---------------|--------------------------|--------------------------|-------------------------------|-------------------------------|-----------------------------------|-----------|------------------------------------|-----------|-------------------------------|-----------|-----------------------------|-----------|-----------------------------|-----------|--|-----------|
| | Sample Date | NJ Surface Water - Fresh | | | NJ Surface Water - Fresh | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total |
| Lab Sample ID | NJ Surface Water - Fresh | NJ Surface Water - Fresh | | | 2/15/2019 | 2/15/2019 | 2/15/2019 | 2/15/2019 | 2/15/2019 | 2/15/2019 | 2/15/2019 | 2/15/2019 | 2/15/2019 | 2/15/2019 | 2/15/2019 | 2/15/2019 |
| Matrix | Water - Fresh | Water - Fresh | | | L1906306-01 | | L1906306-02 | | L1906306-03 | | L1906306-04 | | L1906306-05 | | L1906306-06 | |
| Sampler | Water Acute | Water Chronic | | | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/L | ug/l | ug/L | ug/l | ug/L | ug/l | ug/l | ug/l | ug/l | ug/l | ug/L |
| Metals | | | | | | | | | | | | | | | | |
| Arsenic | 340 | 150 | 10 | 5 | 0.39 | 0.37 | 0.89 | 0.81 | 0.50 | 0.40 | 0.43 | 0.43 | 0.32 | 0.33 | 0.28 | 0.38 |

3/15/2019

| Station Name | Fresh Water Criteria | | USEPA Drinking Water Standard | NJDEP Drinking Water Standard | Pleasant Brook at Crescent Avenue | | Pleasant Brook at Meadowbrook Road | | Pleasant Brook at Lake Street | | Outfall at Ripplewood Drive | | Saddle River at Lake Street | | Saddle River at Confluence with Pleasant Brook | |
|---------------|--------------------------|--------------------------|-------------------------------|-------------------------------|-----------------------------------|-----------|------------------------------------|-----------|-------------------------------|-----------|-----------------------------|-----------|-----------------------------|-----------|--|-----------|
| | Sample Date | NJ Surface Water - Fresh | | | NJ Surface Water - Fresh | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total |
| Lab Sample ID | NJ Surface Water - Fresh | NJ Surface Water - Fresh | | | 3/15/2019 | 3/15/2019 | 3/15/2019 | 3/15/2019 | 3/15/2019 | 3/15/2019 | 3/15/2019 | 3/15/2019 | 3/15/2019 | 3/15/2019 | 3/15/2019 | 3/15/2019 |
| Matrix | Water - Fresh | Water - Fresh | | | L1910241-01 | | L1910241-02 | | L1910241-03 | | L1910241-04 | | L1910241-05 | | L1910241-06 | |
| Sampler | Water Acute | Water Chronic | | | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/L | ug/l | ug/L | ug/l | ug/L | ug/l | ug/l | ug/l | ug/l | ug/l | ug/L |
| Metals | | | | | | | | | | | | | | | | |
| Arsenic | 340 | 150 | 10 | 5 | 0.60 | 0.48 | 0.81 | 0.61 | 0.42 | 0.54 | 0.45 | 0.40 | 0.39 | 0.38 | 0.44 | 0.35 |

4/15/2019

| Station Name | Fresh Water Criteria | | USEPA Drinking Water Standard | NJDEP Drinking Water Standard | Pleasant Brook at Crescent Avenue | | Pleasant Brook at Meadowbrook Road | | Pleasant Brook at Lake Street | | Outfall at Ripplewood Drive | | Saddle River at Lake Street | | Saddle River at Confluence with Pleasant Brook | |
|---------------|--------------------------|--------------------------|-------------------------------|-------------------------------|-----------------------------------|-----------|------------------------------------|-----------|-------------------------------|-----------|-----------------------------|-----------|-----------------------------|-----------|--|-----------|
| | Sample Date | NJ Surface Water - Fresh | | | NJ Surface Water - Fresh | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total |
| Lab Sample ID | NJ Surface Water - Fresh | NJ Surface Water - Fresh | | | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 |
| Matrix | Water - Fresh | Water - Fresh | | | L19155258-01 | | L19155258-02 | | L19155258-03 | | L19155258-04 | | L19155258-05 | | L19155258-06 | |
| Sampler | Water Acute | Water Chronic | | | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/L | ug/l | ug/L | ug/l | ug/L | ug/l | ug/l | ug/l | ug/l | ug/l | ug/L |
| Metals | | | | | | | | | | | | | | | | |
| Arsenic | 340 | 150 | 10 | 5 | 2.15 | 1.49 | 3.34 | 2.07 | 3.15 | 1.45 | 1.62 | 1.12 | 1.76 | 0.96 | 1.68 | 0.80 |

5/15/2019

| Station Name | Fresh Water Criteria | | USEPA Drinking Water Standard | NJDEP Drinking Water Standard | Pleasant Brook at Crescent Avenue | | Pleasant Brook at Meadowbrook Road | | Pleasant Brook at Lake Street | | Outfall at Ripplewood Drive | | Saddle River at Lake Street | | Saddle River at Confluence with Pleasant Brook | |
|---------------|--------------------------|--------------------------|-------------------------------|-------------------------------|-----------------------------------|-----------|------------------------------------|-----------|-------------------------------|-----------|-----------------------------|-----------|-----------------------------|-----------|--|-----------|
| | Sample Date | NJ Surface Water - Fresh | | | NJ Surface Water - Fresh | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total |
| Lab Sample ID | NJ Surface Water - Fresh | NJ Surface Water - Fresh | | | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 | 4/15/2019 |
| Matrix | Water - Fresh | Water - Fresh | | | L1920251-01 | | L1920251-02 | | L1920251-03 | | L1920251-04 | | L1920251-05 | | L1920251-06 | |
| Sampler | Water Acute | Water Chronic | | | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/L | ug/l | ug/L | ug/l | ug/L | ug/l | ug/l | ug/l | ug/l | ug/l | ug/L |
| Metals | | | | | | | | | | | | | | | | |
| Arsenic | 340 | 150 | 10 | 5 | 0.91 | 0.92 | 2.46 | 1.62 | 1.44 | 1.16 | 0.94 | 0.68 | 0.70 | 0.64 | 0.70 | 0.63 |

ug/l = micrograms per liter = parts per billion = ppb
 ND = Not Detected

8/14/2019

| Station Name | Fresh Water Criteria | | | | Pleasant Brook at Crescent Avenue | | Pleasant Brook at Meadowbrook Road | | Pleasant Brook at Lake Street | | Outfall at Ripplewood Drive | | Saddle River at Lake Street | | Saddle River at Juncture | | Field Blank | |
|---------------|--------------------------|--------------------------|-------------------------------|-------------------------------|-----------------------------------|-----------|------------------------------------|-----------|-------------------------------|-----------|-----------------------------|-----------|-----------------------------|-----------|--------------------------|-----------|-------------|-----------|
| | Sample Date | Lab Sample ID | Matrix Sampler | Units | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved |
| | NJ Surface Water - Fresh | NJ Surface Water - Fresh | USEPA Drinking Water Standard | NJDEP Drinking Water Standard | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 |
| | | | | | L1936630-01 | | L1936630-02 | | L1936630-03 | | L1936630-04 | | L1936630-05 | | L1936630-06 | | L1936630-07 | |
| | Water - Acute | Water - Chronic | | | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Blank | Blank |
| | | | | | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH |
| | | | | | ug/l | ug/L | ug/l | ug/L | ug/l | ug/L | ug/l | ug/l | ug/l | ug/l | ug/l | ug/L | ug/l | ug/L |
| Metals | | | | | | | | | | | | | | | | | | |
| Arsenic | 340 | 150 | 10 | 5 | 0.80 | 0.57 | 3.96 | 2.97 | 1.22 | 1.19 | 1.03 | 0.84 | 0.60 | 0.50 | 0.67 | 0.58 | ND | ND |

9/16/2019

| Station Name | Fresh Water Criteria | | | | Pleasant Brook at Crescent Avenue | | Pleasant Brook at Meadowbrook Road | | Pleasant Brook at Lake Street | | Saddle River at Lake Street | | Saddle River at Juncture | |
|---------------|--------------------------|--------------------------|-------------------------------|-------------------------------|-----------------------------------|-----------|------------------------------------|-----------|-------------------------------|-----------|-----------------------------|-----------|--------------------------|-----------|
| | Sample Date | Lab Sample ID | Matrix Sampler | Units | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved |
| | NJ Surface Water - Fresh | NJ Surface Water - Fresh | USEPA Drinking Water Standard | NJDEP Drinking Water Standard | 9/16/2019 | 9/16/2019 | 9/16/2019 | 9/16/2019 | 9/16/2019 | 9/16/2019 | 9/16/2019 | 9/16/2019 | 9/16/2019 | 9/16/2019 |
| | | | | | L1942343-01 | | L1942343-02 | | L1942343-03 | | L1942343-04 | | L1942343-05 | |
| | Water - Acute | Water - Chronic | | | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| | | | | | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH |
| | | | | | ug/l | ug/L | ug/l | ug/L | ug/l | ug/L | ug/l | ug/l | ug/l | ug/L |
| Metals | | | | | | | | | | | | | | |
| Arsenic | 340 | 150 | 10 | 5 | 0.16 | ND | 3.01 | 2.38 | 1.35 | 0.98 | 0.58 | 0.54 | 0.69 | 0.42 |

10/15/2019

| Station Name | Fresh Water Criteria | | | | Pleasant Brook at Crescent Avenue | | Pleasant Brook at Meadowbrook Road | | Pleasant Brook at Lake Street | | Outfall at Ripplewood Drive | | Saddle River at Lake Street | | Saddle River at Juncture | |
|---------------|--------------------------|--------------------------|-------------------------------|-------------------------------|-----------------------------------|-----------|------------------------------------|-----------|-------------------------------|-----------|-----------------------------|-----------|-----------------------------|-----------|--------------------------|-----------|
| | Sample Date | Lab Sample ID | Matrix Sampler | Units | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved | Total | Dissolved |
| | NJ Surface Water - Fresh | NJ Surface Water - Fresh | USEPA Drinking Water Standard | NJDEP Drinking Water Standard | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 | 8/14/2019 |
| | | | | | L1948118-01 | | L1948118-02 | | L1948118-03 | | L1948118-04 | | L1948118-05 | | L1948118-06 | |
| | Water - Acute | Water - Chronic | | | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| | | | | | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH | EDS/JH |
| | | | | | ug/l | ug/L | ug/l | ug/L | ug/l | ug/L | ug/l | ug/l | ug/l | ug/l | ug/l | ug/L |
| Metals | | | | | | | | | | | | | | | | |
| Arsenic | 340 | 150 | 10 | 5 | 0.27 | 0.40 | 2.75 | 1.81 | 0.90 | 0.76 | 3.04 | 0.80 | 0.52 | 0.34 | 0.37 | 0.40 |

ug/l = micrograms per liter = parts per billion = ppb
 ND = Not Detected