

**Appendix 1**

**2023 MS4 Stormwater Annual Report**

**Water Testing Data**

Table 1  
Stormwater Analytical Results

| Location ID | Receiving Waterbody | Sample Date | Field Parameters |                       |          |                         |                                     |          |      |                  |  |              | Laboratory Analytical Parameters |                         |                          |            |             |                         |                  |                  |                       |            |                |            |                              |                                  |                             |                             |                         |                |
|-------------|---------------------|-------------|------------------|-----------------------|----------|-------------------------|-------------------------------------|----------|------|------------------|--|--------------|----------------------------------|-------------------------|--------------------------|------------|-------------|-------------------------|------------------|------------------|-----------------------|------------|----------------|------------|------------------------------|----------------------------------|-----------------------------|-----------------------------|-------------------------|----------------|
|             |                     |             | Condition        | Temperature (Celsius) | pH (Std) | Dissolved Oxygen (mg/L) | Specific Conductivity (SPC) (µS/cm) | ORP (mV) | Odor | Odor Description | Discharge Description  | Boron (mg/L) | Turbidity (NTU)                  | Hardness (CaCO3) (mg/L) | Chlorine Residual (mg/L) | COD (mg/L) | MIBS (mg/L) | Ammonia Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Escherichia Coli (MPN/100ml) | Enterococci Bacteria (MPN/100ml) | Fecal Coliforms MPN (100ml) | Total Coliforms (MPN/100ml) | Conductivity (µmhos/cm) | Salinity (ppt) |
| OF-188      | New Haven Harbor    | 9/29/2023   | Excellent        | 16.0                  | 6.96     | 1.76                    | 67.9                                | -132     | No   | Not applicable   | Black tint with black suspended particles and organic matter.  | <0.05        | 32                               | 10.8                    | <0.02                    | 74         | 0.10        | 0.10                    | <0.010           | 0.06             | 1.5                   | 1.50       | 0.507          | 100        | 441                          | 2,610                            | >24200                      | >24200                      | 42                      | <0.5           |
| 5300        |                     |             | Excellent        | 14.3                  | 7.18     | 8.3                     | 8.8                                 | -127     | No   | Not applicable   | Clear with minor suspended sediment.   | <0.05        | 5.6                              | 1                       | <0.02                    | 21         | <0.05       | 0.15                    | <0.010           | 0.07             | <1.4                  | 0.27       | 0.027          | 10         | 426                          | 432                              | 2,220                       | >24200                      | 7                       | <0.5           |
| 5627        | New Haven Harbor    | 9/29/2023   | Good             | 15.5                  | 5.92     | 10.57                   | 0.7                                 | -79.7    | No   | Not applicable   | Brown tint with suspended black sediment sand organic matter.  | <0.05        | 130                              | 33.3                    | <0.02                    | 202        | <0.10       | 3.46                    | <0.010           | 0.1              | 2.3                   | 5.03       | 0.844          | 440        | 17,300                       | 10,500                           | >24200                      | >24200                      | 69                      | <0.5           |
| OF-246      |                     |             | Good             | 15.2                  | 6.59     | 8.9                     | 47.9                                | 134.4    | No   | Not applicable   | High flow into catch basin, could not locate outfall, found catch basin in woods connected to CB, clear.                 | <0.05        | 15                               | 3.7                     | <0.02                    | 61         | 0.12        | 0.23                    | <0.010           | 0.11             | 2.6                   | 0.57       | 0.076          | 120        | 8,660                        | >24200                           | 7,270                       | >24200                      | 17                      | <0.5           |
| OF-249      | New Haven Harbor    | 9/29/2023   | Fair             | 14.5                  | 6.44     | 9.24                    | 25.8                                | 174.3    | No   | Not applicable   | Strong flow into CB, light brown, some suspended solids, refuse in and around CB.  | <0.05        | 38                               | 11.6                    | <0.02                    | 102        | <0.10       | 0.34                    | <0.010           | 0.11             | 2.6                   | 1.05       | 0.285          | 61         | 7,700                        | 7,700                            | 24,200                      | >24200                      | 26                      | <0.5           |
| 2120        |                     |             | Good             | 13.3                  | 6.77     | 7.67                    | 19.1                                | 179.2    | No   | Not applicable   | Clear, catch basin in grass.   | <0.05        | 1.5                              | 8.2                     | <0.02                    | <10        | <0.05       | <0.05                   | <0.010           | 0.04             | <1.4                  | 0.13       | 0.019          | 3.2        | 31                           | 820                              | 31                          | >24200                      | 17                      | <0.5           |
| 2131        | New Haven Harbor    | 9/29/2023   | Fair             | 14.4                  | 6.83     | 7.27                    | 9.7                                 | 173.3    | No   | Not applicable   | Clear, some particles, strong flow into CB, foam in CB, refuse in and around, sediment covering CB.                      | <0.05        | 8.8                              | 2.3                     | <0.02                    | 27         | <0.10       | 0.17                    | <0.010           | 0.07             | <1.4                  | 0.39       | 0.075          | 6          | 152                          | 1,660                            | >24200                      | >24200                      | 9                       | <0.5           |
| OF-250      |                     |             | Fair             | 14.1                  | 6.67     | 7.64                    | 16.9                                | 136.2    | No   | Not applicable   | Sediment and organics blocking CB, could not access outfall, sampled from CB, clear, some suspended solids, light brown. | <0.05        | 29                               | 6.3                     | <0.02                    | 51         | <0.10       | 0.23                    | <0.010           | 0.07             | 2.6                   | 0.56       | 0.188          | 41         | >24200                       | 14,100                           | >24200                      | >24200                      | 18                      | <0.5           |
| OF-227      | New Haven Harbor    | 9/29/2023   | Good             | 14.3                  | 7.08     | 8.24                    | 52.3                                | 88.8     | No   | Not applicable   | Cloudy and brown, degraded sediment filter in CB, sampled from CB, outfall under water, moderate flow.                   | <0.05        | 33                               | 12.3                    | <0.02                    | 42         | <0.10       | 0.15                    | <0.010           | 0.12             | <1.4                  | 0.77       | 0.334          | 56         | 3,260                        | >24200                           | >24200                      | >24200                      | 38                      | <0.5           |
| 3207        |                     |             | Fair             | 15.1                  | 7.15     | 7.38                    | 16.8                                | 164.8    | No   | Not applicable   | Clear, slight suspended particles, moderate flow, CB partially blocked with sediment, foam.                              | <0.05        | 6.9                              | 2.1                     | <0.02                    | 16         | <0.10       | 0.07                    | <0.010           | 0.08             | <1.4                  | 0.23       | 0.076          | 4.4        | 2,760                        | 2,760                            | >24200                      | >24200                      | 15                      | <0.5           |
| 21172       | New Haven Harbor    | 9/29/2023   | Good             | 14.4                  | 7.12     | 6.76                    | 30.4                                | 170      | No   | Not applicable   | Heavy flow into CB, some refuse in and around, clear, suspended sediment and organics.                                   | <0.05        | 12                               | 4.7                     | <0.02                    | 19         | <0.10       | 0.11                    | <0.010           | 0.06             | <1.4                  | 0.35       | 0.155          | 9.2        | 1,210                        | 5,170                            | >24200                      | >24200                      | 34                      | <0.5           |

Table 1  
Sediment Analytical Results

| Location ID | Receiving Waterbody | Sample Date | Field Parameters |                     |         |                         |                               |          |      |                  |   |              | Laboratory Analytical Parameters |                                   |                          |            |             |                  |                  |                  |                       |            |                |            |                                |                                   |                              |                              |                         |                |
|-------------|---------------------|-------------|------------------|---------------------|---------|-------------------------|-------------------------------|----------|------|------------------|---|--------------|----------------------------------|-----------------------------------|--------------------------|------------|-------------|------------------|------------------|------------------|-----------------------|------------|----------------|------------|--------------------------------|-----------------------------------|------------------------------|------------------------------|-------------------------|----------------|
|             |                     |             | Condition        | Temperature (°C/°F) | pH (SI) | Dissolved Oxygen (mg/L) | Specific Conductivity (µS/cm) | ORP (mV) | Odor | Odor Description | Discharge Description   | Boron (mg/L) | Turbidity (NTU)                  | Hardness (CaCO <sub>3</sub> mg/L) | Chlorine Residual (mg/L) | COD (mg/L) | MHRS (mg/L) | Ammonia-N (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Escherichia Coli (MPN/100 nbs) | Enterococci Bacteria (MPN/100nbs) | Fecal Coliforms MPN (100nbs) | Total Coliforms (MPN/100nbs) | Conductivity (µmhos/cm) | Salinity (ppt) |
| OF-228      |                     |             | Fair             | 14.8                | 6.86    | 7.64                    | 20.6                          | 175.9    | No   | Not applicable   | Sampled from CB, could not get to outfall, clear/light brown, moderate flow, slight foam, some sediment and organics covering CB. | <0.05        | 16                               | 4.6                               | <0.02                    | 25         | <0.10       | 0.17             | <0.010           | 0.1              | <1.4                  | 0.49       | 0.119          | 23         | >24200                         | 5,480                             | >24200                       | >24200                       | 20                      | <0.5           |
| 3178        | New Haven Harbor    | 9/29/2023   | Good             | 14.1                | 6.56    | 8.17                    | 21.8                          | 184.4    | No   | Not applicable   | Light flow into CB, some foam, dropper tube in CB, brown.   | <0.05        | 25                               | 6.1                               | <0.02                    | 55         | <0.10       | 0.15             | <0.010           | 0.09             | 5.1                   | 0.95       | 0.236          | 38         | 2,910                          | 9,800                             | 19,900                       | >24200                       | 20                      | <0.5           |
| 3201        |                     |             | Fair             | 14.2                | 6.83    | 7.67                    | 22.3                          | 176.2    | No   | Not applicable   | Clear with some particles, steady flow, CB blocked with organics and sediment, some release.                                      | <0.05        | 11                               | 4.7                               | <0.02                    | 36         | <0.10       | <0.05            | <0.010           | 0.07             | <1.4                  | 0.45       | 0.228          | 12         | 4,610                          | 6,130                             | >24200                       | >24200                       | 22                      | <0.5           |
| OF-168      |                     |             | Good             | 14.1                | 6.36    | 17.83                   | 38.3                          | -87.2    | No   | Not applicable   | Slight yellow tint, minor suspended black particles.  | <0.05        | 29                               | 8                                 | <0.02                    | 63         | <0.05       | 0.29             | <0.010           | 0.06             | 2.5                   | 0.89       | 0.131          | 38         | 1,140                          | 8,660                             | 2,720                        | >24200                       | 19                      | <0.5           |
| 9631        | New Haven Harbor    | 9/29/2023   | Poor             | 14.0                | 6.84    | 6.27                    | 29.8                          | -115     | No   | Not applicable   | Catch basin flooded, possibly blocked, needs clearing, black tint with black suspended particles.                                 | <0.05        | 24                               | 11.3                              | <0.02                    | 177        | 0.10        | 0.66             | 0.018            | 0.11             | 5.2                   | 2.36       | 0.450          | 83         | >24200                         | 10,500                            | >24200                       | >24200                       | 27                      | <0.5           |
| 9612        |                     |             | Good             | 14.2                | 6.78    | 7.9                     | 56.2                          | -96.6    | Yes  | Slight organic   | Clear with yellow tint and minor suspended sediment.  | <0.05        | 60                               | 13.4                              | <0.02                    | 55         | 0.14        | 0.34             | 0.016            | 0.1              | 4.6                   | 0.88       | 0.125          | 48         | 5,170                          | 15,500                            | 24,200                       | >24200                       | 59                      | <0.5           |
| 9661        |                     |             | Good             | 15.7                | 6.45    | 4.3                     | 29.1                          | -145     | No   | Not applicable   | Clear with minor suspended organic debris.  | <0.05        | 36                               | 13                                | <0.02                    | 59         | 0.11        | 0.41             | <0.010           | 0.05             | 2.8                   | 1.12       | 0.215          | 80         | 3,870                          | 2,910                             | 13,000                       | >24200                       | 17                      | <0.5           |
| OF-170      |                     |             | Fair             | 13.8                | 6.74    | 5.48                    | 18.4                          | -58.3    | No   | Not applicable   | Clear with minor yellow tint and minor suspended black particles.   | <0.05        | 7.3                              | 9.4                               | <0.02                    | 49         | <0.05       | 0.21             | <0.010           | 0.17             | <1.4                  | 0.6        | 0.143          | 8.5        | 24,200                         | 19,900                            | >24200                       | 33                           | <0.5                    |                |
| 10508       |                     |             | Fair             | 14.6                | 6.52    | 10.41                   | 12.8                          | -56.6    | No   | Not applicable   | Clear with organic debris, oil sheen entering inlet.  | <0.05        | 37                               | 2.7                               | <0.02                    | 19         | 0.11        | 0.22             | <0.010           | 0.08             | 26.9                  | 0.33       | 0.040          | 130        | 336                            | 2,760                             | 1,660                        | >24200                       | 12                      | <0.5           |
| 10253       |                     |             | Fair             | 14.4                | 6.68    | 3.05                    | 24.7                          | -65.7    | No   | Not applicable   | Clear with organic debris, oil sheen.   | <0.05        | 28                               | 15.6                              | <0.02                    | 98         | 0.1         | 0.35             | <0.010           | 0.12             | 2.3                   | 1.41       | 0.280          | 120        | 1,010                          | 9,210                             | 9,800                        | >24200                       | 24                      | <0.5           |
| 10237       | New Haven Harbor    | 9/29/2023   | Fair             | 14.3                | 6.5     | 7.26                    | 24.2                          | -76.8    | No   | Not applicable   | Catch basin filled with debris, needs clearing, clear with suspended black sediment, black tint.                                  | <0.05        | 50                               | 38.8                              | <0.02                    | 204        | 0.12        | <0.25            | <0.010           | 0.15             | 11.9                  | 1.77       | 0.505          | 89         | 9,800                          | 24,200                            | >24200                       | 23                           | <0.5                    |                |
| 10273       |                     |             | Good             | 14.7                | 6.48    | 7.02                    | 15.9                          | -57.8    | No   | Not applicable   | Clear with black brown tint, oil sheen entering catch basin, minor suspended black particles.                                     | <0.05        | 120                              | 9.9                               | <0.02                    | 181        | <0.10       | 0.34             | <0.010           | 0.08             | 46.7                  | 1.84       | 0.45           | 520        | 2,610                          | >24200                            | 5,170                        | >24200                       | 18                      | <0.5           |
| 9668        |                     |             | Good             | 13.9                | 6.53    | 2.57                    | 25.3                          | -70.8    | No   | Not applicable   | Clear with minor black suspended sediment.  | <0.05        | 4.5                              | 2.5                               | <0.02                    | 23         | 0.16        | 0.27             | <0.010           | 0.16             | <1.4                  | 0.59       | 0.086          | 8          | 228                            | 313                               | 24,200                       | >24200                       | 19                      | <0.5           |

Notes:

- pH field tested by Atlas
- Concentrations in bold were reported above the laboratory reporting limits
- mg/L, milligrams per liter
- TKN = Nitrogen Tot Kjeldahl
- < 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit
- >24,200: Indicates sample was found above the laboratory detection limit
- = Not Sampled
- \* = Not analyzed per lab error
- Highlighted and Bold = above Pollutant Threshold

| Pollutant                  | Pollutant Threshold  |
|----------------------------|--|
| Nitrogen (Total)           | ≥2.5 mg/L  |
| Phosphorus (Total)         | ≥0.3 mg/L  |
| Bacteria (Fresh Waterbody) | E. Coli: >235 col/100 ml for swimming areas<br>Total Coliform: >500 col/100 ml   |
| Bacteria (Salt Waterbody)  | Fecal Coli: >31 col/100ml for Class SA and >260 col/100ml for Class SB   |
| Other POCs                 | Enterococci: >104 col/100 ml for swimming areas or 500 col/100 ml for all others<br>Sample Turbidity is 5 NTU > In-stream sample |
| Ammonia                    | ≤0.5 mg/L  |
| Surfactants                | ≥0.25 mg/L   |



**Table 1**  
Stormwater Analytical Results

| Location ID         | Receiving Waterbody | Sample Date | Field Parameters |                       |         |                         |                                     |          |      |  |  |              | Laboratory Analytical Parameters |                                    |                          |            |             |                            |                  |                  |                       |            |                |            |                               |                                  |                             |                             |                         |                |
|---------------------|---------------------|-------------|------------------|-----------------------|---------|-------------------------|-------------------------------------|----------|------|--|--|--------------|----------------------------------|------------------------------------|--------------------------|------------|-------------|----------------------------|------------------|------------------|-----------------------|------------|----------------|------------|-------------------------------|----------------------------------|-----------------------------|-----------------------------|-------------------------|----------------|
|                     |                     |             | Condition        | Temperature (°C/dslm) | pH (SI) | Dissolved Oxygen (mg/L) | Specific Conductivity (SFC) (µS/cm) | ORP (mV) | Odor | Odor Description                       | Discharge Description  | Boron (mg/L) | Turbidity (NTU)                  | Hardness (CaCO <sub>3</sub> (mg/L) | Thioline Residual (mg/L) | COB (mg/L) | MBAS (mg/L) | Ammonia as Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Escherichia Coli (MPN/100 mL) | Enterococci Bacteria (MPN/100mL) | Fecal Coliforms (MPN/100mL) | Total Coliforms (MPN/100mL) | Conductivity (µmhos/cm) | Salinity (ppt) |
| OF-165              |                     |             | Fair             | 18.4                  | 5.23    | 6.25                    | 33.4                                | 251.8    | Yes  | Slight septic odor                     | Mostly clear with high amounts of refuse, including styrofoam and woody debris. Manhole is largely clogged and discharging slowly. | 0.07         | 50                               | 250                                | 0.06                     |            | 0.15        | 1.50                       | <0.010           | 0.13             | 2.6                   | *          | *              | 290        | 121                           | 20                               | 169                         | 7,700                       | 39                      | <0.5           |
| Unmanned CB (OF165) |                     |             | Good             | 18.4                  | 4.11    | 8.1                     | 52.5                                | 283.6    | No   | Not applicable                         | Discharge mostly clear. Petroleum odor. Catch basin almost completely full. Little refuse, some grassy/leaky the debris.           | <0.05        | 5.1                              | 2.7                                | <0.02                    | 19         | 0.06        | 0.60                       | <0.010           | 0.1              | <1.4                  | 1.01       | 0.104          | 7.2        | 52                            | <10                              | 10                          | >24,200                     | 54                      | <0.5           |
| 5651                | New Haven Harbor    | 5/20/2023   | Fair             | 17.8                  | 6.33    | 6.53                    | 72.5                                | 73.7     | Yes  | Significant septic and/or aged organic | Light brown with some silt, suspended sediment, high volume of woody and leafy debris. Catch basin almost completely clogged.      | 0.05         | 66.5                             | 73.1                               | <0.02                    | 550        | 0.23        | 1.98                       | <0.010           | <0.02            | 11.5                  | 19.9       | 2.250          | 250        | >24,200                       | >24,200                          | 10,100                      | >24,200                     | 93                      | <0.5           |
| 5329                |                     |             | Good             | 18.4                  | 6.79    | 4.68                    | 26.8                                | 94.2     | Yes  | septic                                 | Discharge is clear with little to no suspended sediment, slightly yellow. Catch basin filled with some leaf litter and refuse.     | <0.050       | 3.3                              | 7.9                                | <0.02                    | 25         | 0.26        | 0.20                       | <0.010           | 0.22             | <1.4                  | 0.94       | 0.122          | 4.2        | 31                            | 594                              | 437                         | >24,200                     | 34                      | <0.5           |
| 5083                |                     |             | Good             | 18.1                  | 6.76    | 5.02                    | 57.4                                | 42.1     | Yes  | Slight organic and septic              | Light yellow color with suspended sediment. Some leafy debris.   | <0.05        | 6.6                              | 12.5                               | <0.02                    | 56         | 0.19        | 0.41                       | <0.010           | 0.13             | <1.4                  | 1.51       | 0.292          | 13         | 24,200                        | >24,200                          | 9,140                       | >24,200                     | 56                      | <0.5           |
| OF-166              | New Haven Harbor    | 5/20/2023   | Good             | 17.8                  | 6.97    | 6.5                     | 105.9                               | 62.8     | Yes  | Moderate soapy, laundry detergent odor | Mostly clear with slight suspended sediment and light yellow coloring. Heavy discharge.  | <0.05        | 8.7                              | 27.8                               | <0.02                    | 52         | 0.45        | 0.24                       | 0.012            | 1.23             | 1.9                   | 1.24       | 0.186          | 7.5        | 1,350                         | 1,720                            | 4,110                       | >24,200                     | 122                     | <0.5           |
| OF-167              | New Haven Harbor    | 5/20/2023   | Good             | 18.8                  | 5.38    | 7.43                    | 21.8                                | 236      | No   | Not applicable                         | Slightly yellow discharge, little sediment.  | <0.05        | 4.8                              | 3.3                                | <0.02                    | 25         | 0.13        | 0.20                       | <0.010           | 0.11             | <1.4                  | 0.69       | 0.088          | 14         | 173                           | 4,880                            | 161                         | >24,200                     | 31                      | <0.5           |
| OF-195              | Turtle Brook        | 5/20/2023   | Good             | 18.6                  | 6.72    | 8.33                    | 30.2                                | 102.3    | No   | Not applicable                         | Slight yellow to brownish discharge. High sediment/silt.   | <0.05        | 30                               | 9.8                                | <0.02                    | 115        | 0.11        | 0.33                       | <0.010           | 0.13             | 6.9                   | 1.29       | 0.528          | 100        | 573                           | 1,060                            | 331                         | >24,200                     | 25                      | <0.5           |
| OF-186              | Turtle Brook        | 5/20/2023   | Good             | 18.6                  | 6.62    | 7.46                    | 89.4                                | 167.2    | No   | Not applicable                         | Dark brown discharge. High sediment and silt. Very low flow into outfall.  | <0.05        | 360                              | 38.9                               | <0.02                    | 143        | 0.17        | 0.15                       | 0.056            | 0.61             | 3.1                   | 1.04       | 0.391          | 210        | 432                           | 1,660                            | 622                         | >24,200                     | 101                     | <0.5           |
| 5597                |                     |             | Excellent        | 17.3                  | 6.61    | 8.5                     | 182.9                               | 170.4    | No   | Not applicable                         | Clear, slightly yellow discharge; very low flow.   | <0.05        | 12                               | 55.7                               | <0.02                    | 38         | 0.11        | 0.13                       | <0.010           | 1.79             | <1.4                  | 1.00       | 0.119          | 6.8        | 9,800                         | 3,450                            | 15,500                      | >24,200                     | 189                     | <0.5           |
| 5280                |                     |             | Good             | 18.3                  | 6.6     | 7.69                    | 30.1                                | 156.5    | No   | Not applicable                         | Light yellow, slight turbidity.  | <0.05        | 12                               | 11.1                               | <0.02                    | 69         | 0.18        | 0.33                       | <0.010           | <0.02            | 2.0                   | 18.5       | 0.309          | 30         | 355                           | 85                               | 683                         | >24,200                     | 33                      | <0.5           |
| OF-189              | Turtle Brook        | 5/20/2023   | Good             | 18.1                  | 7.19    | 7.39                    | 360                                 | -12      | Yes  | Septic odor                            | Light yellow, slight turbidity.  | 0.06         | 12                               | 33.2                               | <0.02                    | 93         | 0.08        | 0.22                       | <0.010           | 0.05             | 2.5                   | 1.50       | 0.371          | 18         | 15,500                        | >24,200                          | >24,200                     | 455                         | <0.5                    |                |
| OF-185              |                     |             | Good             | 17.2                  | 7.36    | 7.38                    | 83.5                                | 134.2    | No   | Not applicable                         | Clear, with slight yellow tint.  | <0.05        | 18                               | 11.2                               | <0.02                    | 49         | 0.09        | 0.21                       | <0.010           | 0.13             | 2.9                   | 1.3        | 0.304          | 98         | 10,100                        | 15,500                           | >24,200                     | 38                          | <0.5                    |                |
| 5561                |                     |             | Excellent        | 17.7                  | 6.73    | 5.87                    | 14.5                                | 147      | No   | Not applicable                         | Clear  | <0.05        | 8.5                              | 4.9                                | <0.02                    | 38         | 0.33        | 0.40                       | <0.010           | 0.23             | 2.6                   | 0.9        | 0.106          | 14         | <10                           | 1,520                            | 85                          | >24,200                     | 39                      | <0.5           |
| 5555                | New Haven Harbor    | 5/20/2023   | Fair             | 17.3                  | 6.62    | 4.96                    | 52.8                                | 123      | No   | Not applicable                         | Clear with foam and slight oily sheen.   | <0.05        | 14                               | 5.6                                | <0.02                    | 130        | 0.38        | 0.89                       | <0.010           | <0.02            | 2.4                   | 4.17       | 0.789          | 34         | 9,210                         | 24,200                           | 9,210                       | >24,200                     | 58                      | <0.5           |
| 5185                |                     |             | Excellent        | 17.8                  | 6.65    | 6.53                    | 21.6                                | 133.2    | No   | Not applicable                         | Clear  | <0.05        | 6.5                              | 2.7                                | <0.02                    | 34         | 0.09        | 0.23                       | <0.010           | 0.15             | 2.6                   | 0.91       | 0.171          | 12         | 1,300                         | 809                              | >24,200                     | 23                          | <0.5                    |                |
| 5538                |                     |             | Good             | 17.7                  | 7.25    | 5.53                    | 64                                  | 113.2    | No   | Not applicable                         | Clear with organic debris.   | <0.05        | 47.5                             | 15.6                               | <0.02                    | 93         | 0.36        | 0.75                       | 0.039            | 0.28             | 3.9                   | 1.93       | 0.321          | 50         | 816                           | 1,570                            | 3,610                       | >24,200                     | 74                      | <0.5           |
| OF-181              |                     |             | Excellent        | 17.9                  | 6.31    | 6.91                    | 30.8                                | 160      | No   | Not applicable                         | Clear with some organic material.  | <0.05        | 8.4                              | 13.9                               | <0.02                    | 58         | 0.30        | 0.48                       | <0.010           | 0.18             | 1.8                   | 1.77       | 0.250          | 14         | 2,490                         | >24,200                          | 35                          | <0.5                        |                         |                |
| 5480                | New Haven Harbor    | 5/20/2023   | Good             | 17.8                  | 7.3     | 8.32                    | 132.9                               | 152.1    | No   | Not applicable                         | Clear with yellow tint.  | <0.05        | 31                               | 38.2                               | <0.02                    | 139        | 0.43        | 0.98                       | <0.066           | 0.18             | 3.9                   | 3.78       | 0.932          | 70         | >24,200                       | 6,870                            | >24,200                     | 142                         | <0.5                    |                |
| 5471                |                     |             | Fair             | 19.3                  | 6.43    | 6.3                     | 14.1                                | 118.8    | No   | Not applicable                         | High flow into catch basin, clear, some suspended organics. General refuse in catch basin, some foam.                              | <0.05        | 6.5                              | 1.6                                | <0.02                    | 41         | 0.22        | 0.30                       | <0.010           | 0.07             | <1.5                  | 0.96       | 0.140          | 14         | 173                           | 122                              | 183                         | >24,200                     | 19                      | <0.5           |



**Table 1**  
Stormwater Analytical Results

| Location ID   | Receiving Waterbody | Sample Date | Field Parameters |                        |         |                         |                               |          |      |                            |  |              | Laboratory Analytical Parameters |                                     |                        |            |             |                            |                  |                  |                       |            |                |            |                               |                                  |                             |                             |                         |                |
|---------------|---------------------|-------------|------------------|------------------------|---------|-------------------------|-------------------------------|----------|------|----------------------------|--|--------------|----------------------------------|-------------------------------------|------------------------|------------|-------------|----------------------------|------------------|------------------|-----------------------|------------|----------------|------------|-------------------------------|----------------------------------|-----------------------------|-----------------------------|-------------------------|----------------|
|               |                     |             | Condition        | Temperature (°Celsius) | pH (SI) | Dissolved Oxygen (mg/L) | Specific Conductivity (µS/cm) | ORP (mV) | Odor | Odor Description           | Discharge Description  | Boron (mg/L) | Turbidity (NTU)                  | Hardness (CaCO <sub>3</sub> (mg/L)) | Thiome Residual (mg/L) | COD (mg/L) | MBAS (mg/L) | Ammonia as Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Escherichia Coli (MPN/100 ml) | Enterococci Bacteria (MPN/100ml) | Fecal Coliforms (MPN/100ml) | Total Coliforms (MPN/100ml) | Conductivity (µmhos/cm) | Salinity (ppt) |
| 5463          | New Haven Harbor    | 5/20/2023   | Good             | 18.5                   | 7.38    | 6.65                    | 97.6                          | 100.9    | No   | Not applicable             | Yellow tint with organic suspended material  | <0.05        | 67.5                             | 26.5                                | <0.02                  | 148        | 0.33        | 1.14                       | 0.111            | 0.41             | 1.4                   | 4.72       | 0.802          | 170        | 697                           | 1,660                            | 3,080                       | >24,200                     | 102                     | <0.5           |
| <b>OF-182</b> |                     |             | Good             | 18.6                   | 8.01    | 6.98                    | 51.3                          | 123.7    | No   | Not applicable             | Black with suspended particles.  | 0.06         | 260                              | 43.6                                | <0.02                  | 299        | 0.18        | 0.23                       | 0.017            | 0.16             | 24.0                  | 1.8        | 0.725          | 300        | 487                           | 3,870                            | 13,000                      | >24,200                     | 73                      | <0.5           |
| 5490          | Turtle Brook        | 5/20/2023   | Good             | 19.3                   | 7.76    | 6.1                     | 63.9                          | 106      | No   | Not applicable             | Brown tint with black suspended particles.   | 0.07         | 220                              | 38.1                                | <0.02                  | 58         | 0.23        | 0.32                       | 0.025            | 0.27             | 22.7                  | 1.67       | 0.473          | 150        | 480                           | 4,350                            | 2,610                       | >24,200                     | 73                      | <0.5           |
| 5497          |                     |             | Good             | 18.8                   | 7.11    | 6.61                    | 28.3                          | 133.5    | No   | Not applicable             | Black to gray tint and black suspended particles.  | <0.05        | 12                               | 10.3                                | <0.02                  | 47         | 0.13        | 0.19                       | <0.10            | 0.11             | <1.4                  | 0.98       | 0.262          | 37         | 272                           | 960                              | 1,790                       | >24,200                     | 36                      | <0.5           |
| <b>OF-170</b> |                     |             | Good             | 18.7                   | 7.11    | 6.7                     | 85.7                          | 122.8    | No   | Not applicable             | Alternative location sampled; double catch basin, little foam, little oil sheen.                   | <0.05        | 13                               | 20.2                                | <0.02                  | 43         | 0.11        | 0.26                       | <0.010           | 0.38             | 4.4                   | 1.11       | 0.167          | 19         | 336                           | 1,480                            | 1,570                       | >24,200                     | 86                      | <0.5           |
| 9668          | New Haven Harbor    | 5/20/2023   | Fair             | 18.9                   | 6.87    | 5.86                    | 26.8                          | 142      | No   | Not applicable             | Low flow. High amounts of refuse and organic debris inside catch basin. No foam. Slight oil sheen. | <0.05        | 22                               | 20.2                                | <0.02                  | 161        | 0.16        | 0.41                       | <0.010           | 0.08             | 14.6                  | 2.93       | 0.607          | 140        | 20                            | 122                              | 20                          | 12,000                      | 27                      | <0.5           |
| <b>OF-177</b> | New Haven Harbor    | 5/20/2023   | Good             | 17.3                   | 8.45    | 6.76                    | 315.7                         | 165.9    | No   | Not applicable             | Steady flow  | 0.58         | 5.0                              | 755                                 | <0.02                  | 200        | <0.05       | 0.12                       | <0.010           | 0.09             | <1.5                  | 0.57       | 0.100          | 11         | 839                           | 1,250                            | 1,720                       | >24,200                     | 9,710                   | 5.6            |
| <b>OF-176</b> | New Haven Harbor    | 5/20/2023   | Good             | 17.9                   | 8.34    | 7.03                    | 165.5                         | 122.6    | No   | Not applicable             | Steady flow; no foam; organic debris.  | <0.05        | 8.1                              | 3.5                                 | <0.02                  | 56         | 0.07        | 0.22                       | <0.010           | 0.08             | <1.5                  | 0.53       | 0.063          | 21         | 185                           | 85                               | 473                         | >24,200                     | 28                      | <0.5           |
| <b>OF-174</b> | New Haven Harbor    | 5/20/2023   | Good             | 17.3                   | 7.08    | 6.98                    | 340.7                         | 172      | No   | Not applicable             | Slow, steady flow. No foam, some organic debris.   | 0.68         | 2.1                              | 913                                 | <0.02                  | 98         | 0.06        | <0.10                      | <0.010           | 0.07             | <1.5                  | 0.35       | 0.064          | 9.2        | 689                           | 5,790                            | 1,860                       | >24,200                     | 27,300                  | 13.7           |
| <b>OF-175</b> |                     |             | Good             | 17.0                   | 7.46    | 6.93                    | 346.2                         | 132.4    | Yes  | Organic/slight septic odor | Heavy flow   | <0.05        | 9.9                              | 40.4                                | <0.02                  | 89         | 0.12        | 2.16                       | 0.099            | 1.66             | 2.0                   | 3.07       | 0.562          | 81         | >24,200                       | >24,200                          | >24,200                     | 257                         | <0.5                    |                |
| 3157          |                     |             | Good             | 17.6                   | 7.26    | 6.57                    | 53.4                          | 110.8    | No   | Not applicable             | Very low flow, high organic debris.  | <0.05        | 7.4                              | 12.2                                | <0.02                  | 111        | 0.15        | 0.40                       | <0.010           | 0.03             | 1.9                   | 2.09       | 0.558          | 29         | >24,200                       | >24,200                          | >24,200                     | 45                          | <0.5                    |                |
| 3114          | New Haven Harbor    | 5/20/2023   | Good             | 18.3                   | 7.44    | 6.87                    | 43.9                          | 107.9    | No   | Not applicable             | Low flow, abundance of organic debris blocking flow. Little oil sheen.                             | <0.05        | 17                               | 65.8                                | <0.02                  | 137        | 0.23        | 0.76                       | <0.010           | <0.02            | 24.1                  | 16.2       | 1,040          | 120        | 1,720                         | 24,200                           | >24,200                     | 57                          | <0.5                    |                |
| 21/48         |                     |             | Good             | 18.2                   | 7       | 7.38                    | 155.8                         | 103.7    | No   | Not applicable             | Low flow, some organic debris.   | <0.05        | 100                              | 31.6                                | <0.02                  | 176        | 0.3         | 0.58                       | 0.042            | 0.12             | 4.4                   | 2.34       | 0.738          | 840        | 4,880                         | 13,000                           | >24,200                     | 224                         | <0.5                    |                |
| 3170          |                     |             | Good             | 17.9                   | 6.98    | 6.61                    | 71.9                          | 102.8    | No   | Not applicable             | Slow, steady flow. Some organic debris and suspended solids.                                       | <0.05        | 12                               | 37.8                                | <0.02                  | 45         | 0.17        | 0.29                       | <0.010           | 0.18             | 3.7                   | 2.57       | 0.276          | 39         | 12,000                        | 19,900                           | 24,200                      | 73                          | <0.5                    |                |
| <b>OF-173</b> |                     |             | Good             | 18.6                   | 6.22    | 9.23                    | 132.2                         | 125.3    | No   | Not applicable             | Clear  | <0.05        | 22                               | 9.3                                 | <0.02                  | 71         | 0.28        | 0.50                       | 0.017            | 0.22             | 3.6                   | 1.48       | 0.145          | 47         | 393                           | 1,310                            | 816                         | >24,200                     | 48                      | <0.5           |
| 21/13         | New Haven Harbor    | 5/20/2023   | Good             | 19.2                   | 6.79    | 6.4                     | 28.7                          | 127.2    | No   | Not applicable             | Blocked/ flooded and overflowing. Some foam and organic debris.                                    | <0.05        | 21                               | 9.9                                 | <0.02                  | 76         | 0.15        | 0.39                       | <0.010           | 0.1              | 3.6                   | 2.31       | 0.312          | 94         | 2,610                         | >24,200                          | >24,200                     | 20                          | <0.5                    |                |
| 21/17         |                     |             | Good             | 18.2                   | 6.47    | 7.2                     | 25.6                          | 135.8    | No   | Not applicable             | Steady flow, little foam, and some organic debris  | <0.05        | 9.8                              | 6.3                                 | 0.03                   | 63         | 0.1         | 0.10                       | <0.010           | <0.02            | 2.6                   | 1.3        | 0.209          | 27         | 5,250                         | 6,130                            | 7,270                       | >24,200                     | 22                      | <0.5           |

**Notes:**

- pH field tested by Atlas
- Concentrations in bold were reported above the laboratory reporting limits
- mg/L: milligrams per liter
- TKN = Nitrogen Tot Kjeldahl
- < 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit
- >24,200: Indicates sample was found above the laboratory detection limit
- = Not Sampled
- \* = Not analyzed per lab error
- Highlighted and Bold = above Pollutant Threshold

| Pollutant                  | Pollutant Threshold  |
|----------------------------|--|
| Nitrogen (Total)           | ≥2.5 mg/L  |
| Phosphorus (Total)         | ≥0.3 mg/L  |
| Bacteria (Fresh Waterbody) | E. Coli: >235 col/100 ml for swimming areas<br>Total Coliform: >800 col/100 ml   |
| Bacteria (Salt Waterbody)  | Fecal Coli: >31 col/100ml for Class SA and >260 col/100ml for Class SB   |
| Other POCs                 | Enterococci: >104 col/100 ml for swimming areas or 500 col/100 ml for all others<br>Sample Turbidity is 5 NTU > In-stream sample |
| Ammonia                    | ≤0.5 mg/L  |
| Surfactants                | ≤0.25 mg/L   |
| Chlorine                   | Any Detectable Level   |
| Conductivity               | >1,500 uS  |
| Salinity                   | 0.5 ppt  |

**Table 2**

*Chromatography Laboratory Analytical Results*

| Laboratory Analytical Results       |                     |             |                                       | Environmental Consulting Laboratories |                                  |                              |                                    | Phoenix Environmental Laboratories |                                  |                              |  |
|-------------------------------------|---------------------|-------------|---------------------------------------|---------------------------------------|----------------------------------|------------------------------|------------------------------------|------------------------------------|----------------------------------|------------------------------|--|
| Location ID                         | Receiving Waterbody | Sample Date | Environmental Consulting Laboratories |                                       |                                  |                              | Phoenix Environmental Laboratories |                                    |                                  |                              |  |
|                                     |                     |             | Escherichia Coli (MPN/100 mls)        | Enterococci Bacteria (MPN/100mls)     | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) | Escherichia Coli (MPN/100 mls)     | Enterococci Bacteria (MPN/100mls)  | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) |  |
| OF-165<br><i>Unnamed CB (OF165)</i> | New Haven Harbor    | 5/20/2023   | 6,131                                 | 206                                   | 2,235                            | 10,462                       | 121                                | 20                                 | 169                              | 7,700                        |  |
|                                     |                     |             | 41                                    | <10                                   | 30                               | 14,136                       | 52                                 | <10                                | 10                               | >24,200                      |  |
|                                     |                     |             | 2,613                                 | 1,464                                 | 7,270                            | 9,804                        | >24,200                            | >24,200                            | 10,100                           | >24,200                      |  |
|                                     |                     |             | 135                                   | 275                                   | 31                               | 5,794                        | 31                                 | 594                                | 437                              | >24,200                      |  |
| 5083                                |                     |             | >24,196                               | 2,359                                 | 19,863                           | >24,196                      | >24,200                            | 9,140                              | >24,200                          |                              |  |
| OF-166                              | New Haven Harbor    | 5/20/2023   | 3,282                                 | 1,198                                 | 1,658                            | 24,196                       | 1,350                              | 1,720                              | 4,110                            | >24,200                      |  |
| OF-167                              | New Haven Harbor    | 5/20/2023   | 148                                   | 1,597                                 | 97                               | 19,863                       | 173                                | 4,880                              | 161                              | >24,200                      |  |
| OF-195                              | Turtle Brook        | 5/20/2023   | 988                                   | 2,140                                 | 305                              | 3,161                        | 573                                | 1,060                              | 331                              | >24,200                      |  |
| OF-186                              | Turtle Brook        | 5/20/2023   | 402                                   | 1,198                                 | 576                              | 8,664                        | 432                                | 1,660                              | 622                              | >24,200                      |  |
| 5597                                |                     |             | 1,119                                 | 1,354                                 | 9,804                            | 9,800                        | 3,450                              | 15,500                             | >24,200                          |                              |  |
| 5280                                |                     |             | 134                                   | 20                                    | 30                               | 12,033                       | 355                                | 85                                 | 683                              | >24,200                      |  |
| OF-189                              |                     |             | 1,145                                 | 2,359                                 | 2,147                            | 12,033                       | 15,500                             | >24,200                            | >24,200                          |                              |  |
| OF-185                              | New Haven Harbor    | 5/20/2023   | 11,199                                | 3,448                                 | 5,475                            | 19,863                       | 10,100                             | 15,500                             | >24,200                          | 10,100                       |  |
| 5561                                |                     |             | 10                                    | 292                                   | <10                              | 5,794                        | <10                                | 1,520                              | 85                               | >24,200                      |  |
| 5555                                |                     |             | 12,033                                | >24,196                               | 6,131                            | >24,196                      | 9,210                              | 24,200                             | 9,210                            | >24,200                      |  |
| 5185                                |                     |             | 934                                   | 1,374                                 | 233                              | 9,208                        | 1,300                              | 809                                | >24,200                          | 24,200                       |  |
| 5538                                |                     |             | 789                                   | 1,092                                 | 262                              | 19,863                       | 816                                | 1,570                              | 3,610                            | >24,200                      |  |
| OF-181                              | New Haven Harbor    | 5/20/2023   | 7,270                                 | 31                                    | 269                              | 12,997                       | 2,490                              | >24,200                            | 7,700                            | >24,200                      |  |
| 5480                                |                     |             | >24,196                               | 4,106                                 | >24,196                          | >24,196                      | >24,200                            | 6,870                              | >24,200                          | >24,200                      |  |
| 5471                                |                     |             | 121                                   | 187                                   | 63                               | 11,199                       | 173                                | 122                                | 183                              | >24,200                      |  |
| 5463                                |                     |             | 4,611                                 | 1,956                                 | 11,199                           | 17,329                       | 697                                | 1,660                              | 3,080                            | >24,200                      |  |
| OF-182                              | Turtle Brook        | 5/20/2023   | 3,411                                 | 1,850                                 | 24,196                           | 15,531                       | 487                                | 3,870                              | 13,000                           | >24,200                      |  |
| 5490                                |                     |             | 1,421                                 | 2,909                                 | 733                              | 9,208                        | 480                                | 4,350                              | 2,610                            | >24,200                      |  |
| 5497                                |                     |             | 86                                    | 1,250                                 | 631                              | 9,208                        | 272                                | 960                                | 1,790                            | >24,200                      |  |
| OF-170                              |                     |             | 471                                   | 1,935                                 | 670                              | 11,199                       | 336                                | 1,480                              | 1,570                            | >24,200                      |  |
| 9668                                |                     |             | 63                                    | 305                                   | 20                               | 9,208                        | 20                                 | 122                                | 20                               | 12,000                       |  |
| OF-177                              | New Haven Harbor    | 5/20/2023   | 959                                   | 1,198                                 | 776                              | >24,196                      | 839                                | 1,250                              | 1,720                            | >24,200                      |  |
| OF-176                              | New Haven Harbor    | 5/20/2023   | 246                                   | 171                                   | 295                              | 24,196                       | 185                                | 85                                 | 473                              | >24,200                      |  |
| OF-174                              | New Haven Harbor    | 5/20/2023   | 988                                   | 5,172                                 | 594                              | 15,531                       | 689                                | 5,790                              | 1,860                            | >24,200                      |  |
| OF-175                              | New Haven Harbor    | 5/20/2023   | 10,112                                | 24,196                                | >24,196                          | >24,196                      | >24,200                            | >24,200                            | >24,200                          | >24,200                      |  |
| 3157                                |                     |             | 8,164                                 | 3,654                                 | 12,033                           | 24,196                       | >24,200                            | >24,200                            | >24,200                          | >24,200                      |  |
| 3114                                |                     |             | 121                                   | 3,076                                 | 12,033                           | 9,804                        | 1,720                              | 24,200                             | >24,200                          | >24,200                      |  |
| 3148                                |                     |             | 3,873                                 | 9,804                                 | 9,208                            | 14,136                       | 4,880                              | 13,000                             | >24,200                          | >24,200                      |  |
| ATLAS                               |                     |             | 12,033                                | 19,863                                | 6,131                            | 23,103                       | 12,000                             | 19,900                             | 24,200                           | >24,200                      |  |

**Table 2**

**Stormwater Laboratory Analytical Results**

Laboratory Duplicate Bacteria Samples  
 May 2023  
 New Haven, Connecticut

| Laboratory Analytical Results |                     |             |                                       |                                   |                                  |                              |                                    |                                   |                                  |                              |
|-------------------------------|---------------------|-------------|---------------------------------------|-----------------------------------|----------------------------------|------------------------------|------------------------------------|-----------------------------------|----------------------------------|------------------------------|
| Location ID                   | Receiving Waterbody | Sample Date | Environmental Consulting Laboratories |                                   |                                  |                              | Phoenix Environmental Laboratories |                                   |                                  |                              |
|                               |                     |             | Escherichia Coli (MPN/100 mls)        | Enterococci Bacteria (MPN/100mls) | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) | Escherichia Coli (MPN/100 mls)     | Enterococci Bacteria (MPN/100mls) | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) |
| <b>OF-173</b>                 | New Haven Harbor    | 5/20/2023   | 404                                   | 1,223                             | 420                              | 19,863                       | 393                                | 1,310                             | 816                              | >24,200                      |
| 21143                         |                     |             | 556                                   | 1,014                             | 670                              | 11,199                       | 2,610                              | >24,200                           | >24,200                          |                              |
| 21137                         |                     |             | 2,359                                 | 5,172                             | 839                              | 19,863                       | 5,250                              | 6,130                             | 7,270                            | >24,200                      |

| Pollutant Thresholds According to the CT MS4 Permit |  |
|---|--|
| Pollutant   | Pollutant Threshold  |
| Bacteria (Fresh Waterbody)                          | E. Coli: >235 col/100 ml for swimming areas  |
| Bacteria (Salt Waterbody)                           | Fecal Coli: >31 col/100ml for Class SA and >260 col/100mL for Class SB<br>Enterococci: >104 col/100 ml for swimming areas or 500 col/100 mL for all others |

- Notes:**
1. Concentrations in **bold** were reported above the laboratory reporting limits
  2. < 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit
  3. >**24,200**: Indicates sample was found above the laboratory detection limit
  4. \* = Not analyzed per lab error
  5. Highlighted and **Bold** = above Pollutant Threshold



**Table 1**  
**Stormwater Laboratory Analytical Results**  
 April 6, 2022  
 New Haven, Connecticut

| Location ID | Receiving Waterbody | Sample Date | Condition | Temperature (Celsius) | pH (SU) | Field Parameters        |                                     |          |      |                   |   |              |                 |                       |                          | Laboratory Analytical Parameters |             |                            |                  |                  |                       |            |                |            |                              |                                  |                                 |                             |                         |                |
|-------------|---------------------|-------------|-----------|-----------------------|---------|-------------------------|-------------------------------------|----------|------|-------------------|---|--------------|-----------------|-----------------------|--------------------------|----------------------------------|-------------|----------------------------|------------------|------------------|-----------------------|------------|----------------|------------|------------------------------|----------------------------------|---------------------------------|-----------------------------|-------------------------|----------------|
|             |                     |             |           |                       |         | Dissolved Oxygen (mg/L) | Specific Conductivity (SPC) (uS/cm) | ORP (mV) | Odor | Odor Description  | Discharge Description   | Boron (mg/L) | Turbidity (NTU) | Hardness CaCO3 (mg/L) | Chlorine Residual (mg/L) | COD (mg/L)                       | MBAS (mg/L) | Ammonia as Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Escherichia Coli (MPN/100ms) | Enterococci Bacteria (MPN/100ms) | Fecal Coliforms MPN (MPN/100ms) | Total Coliforms (MPN/100ms) | Conductivity (umhos/cm) | Salinity (ppt) |
| OF-109      | New Haven Harbor    | 4/6/2022    | Good      | 9.7                   | 6.57    | 10.17                   | 8293                                | 200.0    | No   | N/A               | steady flow, slight oil sheen, OP112  | 0.72         | 12              | 897                   | <0.02                    | 138                              | 0.09        | 0.22                       | 0.011            | 0.55             | <1.4                  | 0.57       | 0.091          | 8          | 2,490                        | 1,050                            | 1,400                           | >24,200                     | 8,400                   | 5              |
| CB-8328     | New Haven Harbor    | 4/6/2022    | Fair      | 8.6                   | 6.14    | 6.05                    | 794                                 | 85.4     | Yes  | sewage like odor  | very turbid, slight oil sheen   | <0.05        | 104             | 31.3                  | <0.02                    | 505                              | 0.28        | 0.22                       | 0.012            | 0.1              | 22.0                  | 3.9        | 1.320          | 90         | 31                           | 556                              | 75                              | >24,200                     | 665                     | <0.5           |
| CB-8313     | New Haven Harbor    | 4/6/2022    | Fair      | 9.6                   | 6.43    | 11.77                   | 1744                                | 126.4    | No   | N/A               | steady flow, slight oil sheen   | <0.05        | 60.3            | 9.4                   | <0.02                    | 104                              | 0.19        | 0.48                       | 0.029            | 0.09             | 3.1                   | 1.16       | 0.270          | 34         | >24,200                      | 1,250                            | >24,200                         | 153                         | <0.5                    |                |
| CB-8410     | New Haven Harbor    | 4/6/2022    | Good      | 9.8                   | 6.46    | 10.93                   | 196.0                               | 156.7    | No   | N/A               | steady flow, oily sheen   | <0.005       | 71.1            | 14.7                  | <0.02                    | 102                              | 0.19        | 0.35                       | 0.053            | 0.21             | 8.0                   | 1.43       | 0.251          | 120        | 857                          | 3,130                            | 379                             | >24,200                     | 196                     | <0.5           |
| CB-8772     | New Haven Harbor    | 4/6/2022    | Fair      | 10.7                  | 6.76    | 10.51                   | 129.1                               | 148.0    | No   | N/A               | steady flow, slight turbid, some leaf debris  | <0.05        | 84.1            | 20.5                  | 0.03                     | 129                              | 0.15        | 0.26                       | 0.024            | 0.09             | 5.6                   | 0.84       | 0.203          | 120        | 504                          | 556                              | 512                             | >24,200                     | 130                     | <0.5           |
| CB-8063     | New Haven Harbor    | 4/6/2022    | Poor      | 9.0                   | 6.59    | 11.49                   | 128.2                               | 143.1    | Yes  | organic like odor | large amount of leaf debris, high turbidity.  | <0.05        | 337             | 75.8                  | <0.02                    | 648                              | 0.13        | 0.47                       | 0.017            | 0.14             | 18.0                  | 4.57       | 1.420          | 960.0      | 364                          | 13,000                           | 350                             | >24,200                     | 132                     | <0.5           |
| CB-8021     | New Haven Harbor    | 4/6/2022    | Fair      | 9.3                   | 6.36    | 11.01                   | 153.8                               | 162.7    | No   | N/A               | large amount of garbage   | <0.05        | 63.5            | 16.6                  | <0.02                    | 214                              | 0.24        | 0.38                       | 0.028            | 0.31             | 2.4                   | 2.88       | 0.388          | 220        | 20                           | 865                              | 31                              | >24,200                     | 180                     | <0.5           |
| CB-8349     | New Haven Harbor    | 4/6/2022    | Good      | 9.7                   | 6.15    | 11.27                   | 210.5                               | 151.1    | No   | N/A               | steady flow, large amount of leave debris   | <0.5         | 64              | 10.7                  | <0.02                    | 87                               | 0.23        | 0.43                       | 0.044            | 0.11             | 5.4                   | 1.37       | 0.159          | 42         | 576                          | 985                              | 414                             | 24,200                      | 220                     | <0.5           |
| OF-76       | West River          | 4/6/2022    | Good      | 9.7                   | 6.35    | 11.56                   | 107.3                               | 165.8    | No   | N/A               | steady flow, two dish are points  | <0.05        | 53.4            | 36.1                  | <0.02                    | 74                               | 0.36        | 0.43                       | 0.016            | 1.61             | 2.6                   | 2.07       | 0.111          | 56         | 1,620                        | 448                              | 1,210                           | 19,900                      | 113                     | <0.5           |
| OF-85       | West River          | 4/6/2022    | Good      | 9.1                   | 6.19    | 11.19                   | 180.7                               | 178.1    | No   | N/A               | steady flow, clear  | <0.05        | 62.1            | 28.5                  | <0.02                    | 89                               | 0.16        | 0.20                       | 0.015            | 1.74             | 1.4                   | 3.58       | 0.394          | 200        | 122                          | 109                              | 85                              | >24,200                     | 185                     | <0.5           |
| OF-90       | West River          | 4/6/2022    | Good      | 9.7                   | 6.18    | 10.34                   | 233.2                               | 176.5    | No   | N/A               | slight sheen  | <0.05        | 25.9            | 24.3                  | <0.02                    | 51                               | 0.15        | 0.23                       | 0.018            | 0.12             | 1.8                   | 0.9        | 0.131          | 17         | 2,140                        | 8,160                            | 3,260                           | >24,200                     | 2,290                   | 1.3            |
| CB-8901     | West River          | 4/6/2022    | Fair      | 11.6                  | 7.45    | 8.99                    | 49.0                                | 115.6    | Yes  | Organic/refuse    | Refuse/debris in sily   | <0.05        | 1,080           | 79.5                  | <0.02                    | 2050                             | 0.41        | 1.40                       | 0.024            | 0.06             | 64.0                  | 13.7       | 5.260          | 3000       | 1,530                        | 7,270                            | 1,870                           | >24,200                     | 65                      | <0.5           |
| CB-8245     | West River          | 4/6/2022    | Poor      | 11.7                  | 7.00    | 10.10                   | 171.8                               | 137.7    | Yes  | Garbage-like      | CB covered with and full of garbage. Water very silty/dirty                                 | <0.05        | 111             | 25.2                  | <0.02                    | 193                              | 0.79        | 1.21                       | 0.057            | 0.13             | 8.2                   | 7.75       | 1.080          | 120        | 529                          | 4,880                            | 3,650                           | >24,200                     | 186                     | <0.5           |
| CB-8260     | West River          | 4/6/2022    | Fair      | 10.2                  | 7.52    | 10.48                   | 88.4                                | 127.3    | No   | N/A               | Some debris/refuse in CB. Slightly silty.   | <0.05        | 28.6            | 11.6                  | <0.02                    | 53                               | 0.23        | 0.31                       | 0.028            | 0.11             | 1.8                   | 1.11       | 0.136          | 21         | 4,350                        | 14,100                           | 2,010                           | >24,200                     | 95                      | <0.5           |
| OF-115      | New Haven Harbor    | 4/6/2022    | Good      | 9.1                   | 7.75    | 9.03                    | 3307                                | 109.0    | Yes  | Slight organic    | Good flow, slightly silty.  | <0.05        | 40.5            | 12.7                  | <0.02                    | 78                               | 0.24        | 0.18                       | 0.011            | 0.11             | 2.7                   | 1          | 0.183          | 110        | 52                           | 275                              | 20                              | 7,270                       | 67                      | <0.5           |
| CB-9516     | New Haven Harbor    | 4/6/2022    | Fair      | 9.3                   | 7.99    | 10.17                   | 2156                                | 125.0    | Yes  | Slight organic    | Strong flow into CB. Black color, little oil sheen and foam                                 | 0.07         | 740             | 133                   | 0.03                     | 807                              | 0.25        | 0.43                       | 0.047            | 0.11             | 41.0                  | 2.01       | 1.45           | 910        | 10,500                       | 9,210                            | 6,870                           | >24,200                     | 2,180                   | 1.2            |
| OF-114      | New Haven Harbor    | 4/6/2022    | Good      | 9.3                   | 9.37    | 10.06                   | 97.0                                | 92.4     | No   | N/A               | Strong flow into CB   | 0.25         | 30.5            | 334                   | <0.02                    | 87                               | 0.28        | 0.26                       | 0.018            | 0.3              | 1.6                   | 0.79       | 0.139          | 64         | 259                          | 1,290                            | 199                             | 19,900                      | 3,380                   | 1.9            |
| OF-113      | New Haven Harbor    | 4/6/2022    | Fair      | 9.3                   | 8.46    | 10.05                   | 288.7                               | 51.4     | Yes  | Slight organic.   | Strong flow into CB. Some debris/leaf litter around CB.                                     | <0.05        | 38.8            | 19.1                  | <0.02                    | 83                               | 0.24        | 0.11                       | 0.011            | 0.07             | 2.2                   | 0.51       | 0.162          | 110        | 1,380                        | 1,720                            | 1,620                           | >24,200                     | 199                     | <0.5           |
| OF-111      | New Haven Harbor    | 4/6/2022    | Good      | 8.9                   | 8.47    | 10.15                   | 47.6                                | 40.1     | Yes  | Slight organic    | Unable to remove bolts on MH, sample collected from CB adjacent. Good flow, slightly cloudy | <0.05        | 14.2            | 2                     | <0.02                    | 27                               | 0.19        | 0.19                       | <0.010           | 0.09             | <1.4                  | 0.61       | 0.092          | 19         | 4,880                        | 2,480                            | 3,080                           | >24,200                     | 38                      | <0.5           |
| OF-103/104  | New Haven Harbor    | 4/6/2022    | Fair      | 9.6                   | 8.06    | 9.50                    | 90.7                                | 62.3     | No   | N/A               | Sampled from CB on road. Oily sheen, good flow  | <0.05        | 38.5            | 3.2                   | <0.02                    | 68                               | 0.22        | 0.58                       | 0.033            | 0.08             | 5.3                   | 1.49       | 0.183          | 19         | 13,000                       | 10,500                           | 2,720                           | >24,200                     | 93                      | <0.5           |
| CB-8784     | New Haven Harbor    | 4/6/2022    | Good      | 9.5                   | 7.60    | 11.80                   | 100.0                               | 79.9     | No   | N/A               | Good flow, foamy.   | <0.05        | 39.5            | 12.2                  | <0.02                    | 125                              | 0.24        | 0.20                       | 0.016            | 0.09             | 4.0                   | 0.88       | 0.281          | 98         | 98                           | 486                              | 86                              | >24,200                     | 103                     | <0.5           |
| CB-8785     | New Haven Harbor    | 4/6/2022    | Good      | 9.6                   | 7.56    | 9.47                    | 143.6                               | 86.1     | Yes  | Organic/Refuse    | Good flow into CB. Full of refuse/debris, oily sheen, dark brown/black color                | <0.05        | 272             | 112                   | 0.04                     | 590                              | 0.25        | 0.39                       | 0.033            | 0.09             | 28.0                  | 1.24       | 1.040          | 700        | 1,470                        | 3,080                            | 384                             | >24,200                     | 148                     | <0.5           |
| OF-105      | New Haven Harbor    | 4/6/2022    | Good      | 9.5                   | 7.56    | 10.15                   | 94.6                                | 87.4     | Yes  | Slight organic    | OF pipe broken, sampled from CB. Foamy, good flow.  | <0.05        | 24.4            | 8.6                   | <0.02                    | 59                               | <0.05       | 0.39                       | 0.027            | 0.09             | 2.1                   | 1.03       | 0.268          | 46         | 4,880                        | 7,270                            | 1,080                           | >24,200                     | 94                      | <0.5           |
| CB-8786     | New Haven Harbor    | 4/6/2022    | Good      | 9.8                   | 7.36    | 10.71                   | 94.7                                | 97.6     | No   | N/A               | Good flow, little leaf litter.  | <0.05        | 51.3            | 7.5                   | <0.02                    | 70                               | 0.09        | 0.26                       | 0.023            | 0.07             | 2.4                   | 0.95       | 0.150          | 62         | 1,720                        | 545                              | 288                             | >24,200                     | 96                      | <0.5           |

**Table 1**  
Stormwater Laboratory Analytical Results  
April 6, 2022  
New Haven, Connecticut

| Location ID | Receiving Waterbody | Sample Date | Condition | Temperature (Celsius) | pH (SU) | Field Parameters        |                                     |          |      |                  |  |              |                 |                       |                          | Laboratory Analytical Parameters |             |                            |                  |                  |                       |            |                |            |                               |                                  |                                 |                             |                         |                |
|-------------|---------------------|-------------|-----------|-----------------------|---------|-------------------------|-------------------------------------|----------|------|------------------|--|--------------|-----------------|-----------------------|--------------------------|----------------------------------|-------------|----------------------------|------------------|------------------|-----------------------|------------|----------------|------------|-------------------------------|----------------------------------|---------------------------------|-----------------------------|-------------------------|----------------|
|             |                     |             |           |                       |         | Dissolved Oxygen (mg/L) | Specific Conductivity (SPC) (uS/cm) | ORP (mV) | Odor | Odor Description | Discharge Description  | Boron (mg/L) | Turbidity (NTU) | Hardness CaCO3 (mg/L) | Chlorine Residual (mg/L) | COD (mg/L)                       | MBAS (mg/L) | Ammonia as Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Escherichia Coli (MPN/100 ms) | Enterococci Bacteria (MPN/100ms) | Fecal Coliforms MPN (MPN/100ms) | Total Coliforms (MPN/100ms) | Conductivity (umhos/cm) | Salinity (ppt) |
| OF-106      | New Haven Harbor    | 4/6/2022    | Good      | 9.8                   | 7.11    | 9.82                    | 337.9                               | 126.2    | No   | N/A              | Good flow, clear.  | <0.05        | 18.2            | 29.3                  | <0.02                    | 29                               | 0.08        | 0.22                       | 0.019            | 0.12             | 1.6                   | 0.54       | 0.119          | 15         | 714                           | 262                              | 677                             | 15,500                      | 279                     | <0.5           |
| CB-8485     | New Haven Harbor    | 4/6/2022    | Excellent | 10.3                  | 7.73    | 9.48                    | 58.6                                | 85.5     | No   | N/A              | Newish looking CB, good flow, clear.                                       | <0.05        | 22.4            | 2                     | <0.02                    | 19                               | 0.06        | 0.15                       | 0.016            | 0.06             | <1.4                  | 0.31       | 0.047          | 32         | <10                           | <10                              | 10                              | 2,280                       | 55                      | <0.5           |
| OF-107      | New Haven Harbor    | 4/6/2022    | Good      | 9.8                   | 7.11    | 9.82                    | 337.9                               | 126.2    |      | N/A              | Good flow, clear.  | <0.05        | 15.4            | 34.6                  | <0.02                    | 27                               | <0.05       | 0.28                       | 0.018            | 0.11             | <1.4                  | 0.61       | 0.094          | 11         | 613                           | 52                               | 512                             | 10,500                      | 354                     | <0.5           |
| OF-100      | New Haven Harbor    | 4/6/2022    | Good      | 10.4                  | 7.25    | 10.42                   | 378.4                               | 126.9    | No   | N/A              | Sampled from CB on street, slight oily sheen, some foam, ponding around CB | <0.05        | 74.7            | 44.7                  | <0.02                    | 106                              | 0.11        | 0.15                       | 0.015            | 0.08             | 3.9                   | 0.57       | 0.241          | 170        | 5,790                         | 4,880                            | 4,350                           | >24,200                     | 380                     | <0.5           |
| OF-102      | New Haven Harbor    | 4/6/2022    | Excellent | 9.7                   | 7.60    | 9.06                    | 92.6                                | 105.5    | No   | N/A              | Sampled from MH, slow flow, slightly yellow tint, little sheen.            | <0.05        | 34.7            | 10.5                  | <0.02                    | 55                               | 0.1         | 0.18                       | 0.019            | 0.18             | 2.2                   | 0.77       | 0.156          | 33         | 285                           | 2,190                            | 298                             | >24,200                     | 87                      | <0.5           |
| CB-11273    | New Haven Harbor    | 4/6/2022    | Poor      | 9.3                   | 7.39    | 11.69                   | 75.0                                | 115.1    | No   | N/A              | CB covered w/silt and mud and leaf litter. Water slightly silty.           | <0.05        | 26              | 6.4                   | <0.02                    | 38                               | 0.07        | 0.23                       | 0.015            | 0.08             | <1.4                  | 0.75       | 0.122          | 42         | 96                            | 288                              | 86                              | 24,200                      | 77                      | <0.5           |
| OF-153      | Morris Creek        | 4/6/2022    | Good      | 8.8                   | 7.20    | 12.38                   | 51.7                                | 160.2    | No   | N/A              | Steady flow.   | 0.12         | 27.1            | 65.3                  | <0.02                    | 21                               | 0.09        | 0.07                       | <0.010           | 1.21             | <1.4                  | 0.47       | 0.082          | 31         | 10                            | 31                               | 10                              | 122                         | 530                     | <0.5           |
| OF-164      | New Haven Harbor    | 4/6/2022    | Good      | 9.6                   | 8.23    | 11.88                   | 524.1                               | 97.4     | No   | N/A              | Some floating solids   | 0.06         | 15.8            | 43.8                  | <0.02                    | 23                               | 0.11        | 0.11                       | <0.010           | 0.32             | <1.4                  | 0.54       | 0.094          | 16         | 109                           | 1,150                            | 171                             | >24,200                     | 33                      | <0.5           |
| CB-5311     | New Haven Harbor    | 4/6/2022    | Good      | 9.6                   | 7.69    | 11.08                   | 36.21                               | 136.0    | No   | N/A              | Some floating solids   | <0.05        | 18.1            | 6.7                   | <0.02                    | 55                               | 0.16        | 0.27                       | <0.010           | 0.16             | <1.4                  | 4.57       | 0.198          | 60         | <10                           | 457                              | 52                              | 24,200                      | 29                      | <0.5           |
| OF-163      | New Haven Harbor    | 4/6/2022    | Good      | 8.8                   | 7.2     | 12.38                   | 51.7                                | 160.2    | No   | N/A              | Steady flow  | <0.05        | 35.6            | 7.8                   | <0.02                    | 29                               | 0.08        | 0.11                       | <0.010           | 0.14             | 1.6                   | 1.02       | 0.078          | 120        | <10                           | 41                               | 74                              | 24,200                      | 49                      | <0.5           |
| CB-5292     | New Haven Harbor    | 4/6/2022    | Good      | 9.3                   | 7.27    | 11.77                   | 27.0                                | 152.6    | No   | N/A              | Some floating solids   | <0.05        | 13              | 1.6                   | <0.02                    | 27                               | <0.05       | 0.10                       | <0.010           | 0.13             | <1.4                  | 0.44       | 0.080          | 22         | 213                           | 860                              | 241                             | >24,200                     | 28                      | <0.5           |
| CB-5106     | New Haven Harbor    | 4/6/2022    | Fair      | 9.3                   | 6.93    | 11.7                    | 166.6                               | 180.5    | No   | N/A              | CB covered with leaves. Many suspended solids high turbid.                 | <0.05        | 227             | 37.3                  | <0.02                    | 182                              | 0.14        | 0.28                       | 0.036            | 0.08             | 9.5                   | 1.76       | 0.476          | 720        | 1,210                         | 5,790                            | 246                             | >24,200                     | 173                     | <0.5           |
| CB-5143     | New Haven Harbor    | 4/6/2022    | Good      | 9.2                   | 7.17    | 11.79                   | 114.9                               | 169.0    | No   | N/A              | Steady flow, some suspended solids   | <0.05        | 26.7            | 18.5                  | <0.02                    | 49                               | <0.05       | 0.08                       | 0.011            | 0.34             | <1.4                  | 0.47       | 0.147          | 73         | 85                            | 256                              | 10                              | 19,900                      | 112                     | <0.5           |

**Notes:**

1. pH field tested by Atlas
2. Concentrations in bold were reported above the laboratory reporting limits
3. mg/L: milligrams per liter
4. TKN = Nitrogen Tot Kjeldahl
5. < 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit
6. >24,200: Indicates sample was found above the laboratory detection limit
7. - = Not Sampled
8. \* = Not analyzed per lab error
9. Highlighted and Bold = above Pollution Threshold

| Pollutant                  | Pollutant Threshold  |
|----------------------------|--|
| Nitrogen (Total)           | ≥2.5 mg/L  |
| Phosphorus (Total)         | ≥0.3 mg/L  |
| Bacteria (Fresh Waterbody) | E. Coli: >235 col/100 ml for swimming areas<br>Total Coliform: >500 col/100 ml.  |
| Bacteria (Salt Waterbody)  | Fecal Coli: >31 col/100ml for Class SA and >260 col/100ml for Class SB<br>Enterococci: >104 col/100 ml for swimming areas or 500 col/100 ml for all others |
| Other POCs                 | Sample Turbidity is 5 NTU > in-stream sample   |
| Ammonia                    | ≥0.5 mg/L  |
| Surfactants                | ≥0.25 mg/L   |
| Chlorine                   | Any Detectable Level   |
| Conductivity               | >1,500 uS  |
| Salinity                   | 0.5 ppt  |

**Table 2**

**Stormwater Laboratory Analytical Results**

Laboratory Duplicate Bacteria Samples

April 2022

|             |                     |             |                                       | Laboratory Analytical Results     |                                  |                              |                                    | Phoenix Environmental Laboratories |                                  |                              |  |
|-------------|---------------------|-------------|---------------------------------------|-----------------------------------|----------------------------------|------------------------------|------------------------------------|------------------------------------|----------------------------------|------------------------------|--|
| Location ID | Receiving Waterbody | Sample Date | Environmental Consulting Laboratories |                                   |                                  |                              | Phoenix Environmental Laboratories |                                    |                                  |                              |  |
|             |                     |             | Escherichia Coli (MPN/100 mls)        | Enterococci Bacteria (MPN/100mls) | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) | Escherichia Coli (MPN/100 mls)     | Enterococci Bacteria (MPN/100mls)  | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) |  |
| OF-109      | New Haven Harbor    | 4/6/2022    | 2,880                                 | 3,010                             | 970                              | 8,620                        | 2,490                              | 1,050                              | 1,400                            | >24,200                      |  |
| CB-8328     | New Haven Harbor    | 4/6/2022    | 100                                   | 980                               | <100                             | 77,010                       | 31                                 | 556                                | 75                               | >24,200                      |  |
| CB-8313     | New Haven Harbor    | 4/6/2022    | 198,630                               | 6,370                             | 120,330                          | 241,960                      | >24,200                            | 1,250                              | >24,200                          | >24,200                      |  |
| CB-8410     | New Haven Harbor    | 4/6/2022    | 1,100                                 | 7,940                             | 410                              | 71,700                       | 857                                | 3,130                              | 379                              | >24,200                      |  |
| CB-8772     | New Haven Harbor    | 4/6/2022    | 410                                   | 970                               | 200                              | 18,600                       | 504                                | 556                                | 512                              | >24,200                      |  |
| CB-8063     | New Haven Harbor    | 4/6/2022    | 200                                   | 19,180                            | <100                             | 12,740                       | 364                                | 13,000                             | 350                              | >24,200                      |  |
| CB-8021     | New Haven Harbor    | 4/6/2022    | <100                                  | 1,750                             | <100                             | 98,040                       | 20                                 | 865                                | 31                               | >24,200                      |  |
| CB-8349     | New Haven Harbor    | 4/6/2022    | <100                                  | 1,850                             | 740                              | 198,630                      | 576                                | 985                                | 414                              | 24,200                       |  |
| OF-76       | West River          | 4/6/2022    | 1,220                                 | 520                               | 840                              | 16,070                       | 1,620                              | 448                                | 1,210                            | 19,900                       |  |
| OF-85       | West River          | 4/6/2022    | 520                                   | 950                               | 200                              | 11,260                       | 122                                | 109                                | 85                               | >24,200                      |  |
| OF-90       | West River          | 4/6/2022    | 1,850                                 | 23,820                            | 1,730                            | 173,290                      | 2,140                              | 8,160                              | 3,260                            | >24,200                      |  |
| CB-9801     | West River          | 4/6/2022    | 1,850                                 | 15,650                            | 2,160                            | 198,630                      | 1,530                              | 7,270                              | 1,870                            | >24,200                      |  |
| CB-8245     | West River          | 4/6/2022    | 1,090                                 | 6,570                             | 1,870                            | 141,360                      | 529                                | 4,880                              | 3,650                            | >24,200                      |  |
| CB-8260     | West River          | 4/6/2022    | 3,790                                 | 27,230                            | 1,810                            | 241,960                      | 4,350                              | 14,100                             | 2,010                            | >24,200                      |  |
| OF-115      | New Haven Harbor    | 4/6/2022    | <100                                  | 730                               | <100                             | 3,270                        | 52                                 | 275                                | 20                               | 7,270                        |  |
| CB-9516     | New Haven Harbor    | 4/6/2022    | 8,390                                 | 17,890                            | 4,500                            | 173,290                      | 10,500                             | 9,210                              | 6,870                            | >24,200                      |  |
| OF-114      | New Haven Harbor    | 4/6/2022    | 200                                   | 3,790                             | 100                              | 8,820                        | 259                                | 1,290                              | 199                              | 19,900                       |  |
| OF-113      | New Haven Harbor    | 4/6/2022    | 1,870                                 | 4,500                             | 1,220                            | 48,840                       | 1,380                              | 1,720                              | 1,620                            | >24,200                      |  |
| OF-111      | New Haven Harbor    | 4/6/2022    | 2,980                                 | 7,120                             | 2,280                            | 77,010                       | 4,880                              | 2,480                              | 3,080                            | >24,200                      |  |
| OF-103/104  | New Haven Harbor    | 4/6/2022    | 11,000                                | 20,460                            | 1,220                            | 68,670                       | 13,000                             | 10,500                             | 2,720                            | >24,200                      |  |
| CB-8784     | New Haven Harbor    | 4/6/2022    | 100                                   | 1,340                             | 100                              | 155,310                      | 98                                 | 486                                | 86                               | >24,200                      |  |
| CB-8785     | New Haven Harbor    | 4/6/2022    | 980                                   | 18,500                            | 300                              | 33,000                       | 1,470                              | 3,080                              | 384                              | >24,200                      |  |
| OF-105      | New Haven Harbor    | 4/6/2022    | 4,640                                 | 20,140                            | 630                              | 28,090                       | 4,880                              | 7,270                              | 1,080                            | >24,200                      |  |
| CB-8786     | New Haven Harbor    | 4/6/2022    | 1,750                                 | 3,180                             | 410                              | 14,830                       | 1,720                              | 545                                | 288                              | >24,200                      |  |
| OF-106      | New Haven Harbor    | 4/6/2022    | 1,100                                 | 3,090                             | 520                              | 13,140                       | 714                                | 262                                | 677                              | 15,500                       |  |
| CB-8485     | New Haven Harbor    | 4/6/2022    | 200                                   | <100                              | 100                              | 1,210                        | <10                                | <10                                | 10                               | 2,280                        |  |
| OF-107      | New Haven Harbor    | 4/6/2022    | 630                                   | 2,590                             | 410                              | 9,080                        | 613                                | 52                                 | 512                              | 10,500                       |  |
| OF-100      | New Haven Harbor    | 4/6/2022    | 5,040                                 | 12,230                            | 2,590                            | 155,310                      | 5,790                              | 4,880                              | 4,350                            | >24,200                      |  |
| OF-102      | New Haven Harbor    | 4/6/2022    | 520                                   | 5,980                             | <100                             | 20,140                       | 285                                | 2,190                              | 298                              | >24,200                      |  |
| CB-11273    | New Haven Harbor    | 4/6/2022    | <100                                  | 410                               | <100                             | 9,880                        | 96                                 | 288                                | 86                               | 24,200                       |  |
| OF-153      | Morris Creek        | 4/6/2022    | <100                                  | 2,110                             | <100                             | 200                          | 10                                 | 31                                 | 10                               | 122                          |  |
| OF-164      | New Haven Harbor    | 4/6/2022    | 310                                   | 3,990                             | 100                              | 48,840                       | 109                                | 1,150                              | 171                              | >24,200                      |  |
| CB-5311     | New Haven Harbor    | 4/6/2022    | <100                                  | 1,990                             | <100                             | 13,140                       | <10                                | 457                                | 52                               | 24,200                       |  |
| OF-163      | New Haven Harbor    | 4/6/2022    | <100                                  | 200                               | <100                             | 20,980                       | <10                                | 41                                 | 74                               | 24,200                       |  |
| CB-5292     | New Haven Harbor    | 4/6/2022    | <100                                  | 1,090                             | 100                              | 29,090                       | 213                                | 860                                | 241                              | >24,200                      |  |
| CB-5106     | New Haven Harbor    | 4/6/2022    | 1,830                                 | 21,870                            | <100                             | 29,870                       | 1,210                              | 5,790                              | 246                              | >24,200                      |  |
| CB-5143     | New Haven Harbor    | 4/6/2022    | <100                                  | 200                               | <100                             | 14,210                       | 85                                 | 256                                | 10                               | 19,900                       |  |



**Table 1**  
Stormwater Laboratory Analytical Results  
March 24, 2022  
New Haven, Connecticut

| Location ID | Receiving Waterbody | Sample Date | Field Parameters |                       |      |                         |                                     |          |      |                     |  |              |                 |                       |                          | Laboratory Analytical Parameters |             |                            |                  |                  |                       |            |                |            |                               |                                  |                                 |                             |                         |                |      |      |
|-------------|---------------------|-------------|------------------|-----------------------|------|-------------------------|-------------------------------------|----------|------|---------------------|--|--------------|-----------------|-----------------------|--------------------------|----------------------------------|-------------|----------------------------|------------------|------------------|-----------------------|------------|----------------|------------|-------------------------------|----------------------------------|---------------------------------|-----------------------------|-------------------------|----------------|------|------|
|             |                     |             | Condition        | Temperature (Celsius) | pH   | Dissolved Oxygen (mg/L) | Specific Conductivity (SFC) (uS/cm) | ORP (mV) | Odor | Odor Description    | Discharge Description  | Boron (mg/L) | Turbidity (NTU) | Bartness CaCO3 (mg/L) | Chlorine Residual (mg/L) | COD (mg/L)                       | MBAS (mg/L) | Ammonia as Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Biochemical CO2 (BOD5) (mg/L) | Enterococci Bacteria (MPN/100ml) | Fecal Coliforms MPN (MPN/100ml) | Total Coliforms (MPN/100ml) | Conductivity (umhsc/cm) | Salinity (ppt) |      |      |
| CR-70       | West River          | 3/24/2022   | Good             | 6.2                   | 8.29 | 14.28                   | 155.9                               | 115.9    | No   | N/A                 | Steady flow  | <0.05        | 12.6            | 12.9                  | <0.02                    | 25                               | 0.17        | 0.13                       | <0.010           | 0.34             | <1.4                  | 0.63       | 0.20           | 12         | 1.10                          | 1.20                             | 1.30                            | >48,400                     | >48,400                 | >48,400        | 162  | <0.5 |
| CR-151      | West River          | 3/24/2022   | Good             | 5.8                   | 7.76 | 14.08                   | 141.2                               | 135.5    | No   | N/A                 | Steady flow  | <0.05        | 19.2            | 6.8                   | <0.02                    | 32                               | 0.17        | 0.16                       | <0.010           | 0.13             | 1.7                   | 0.8        | 0.14           | 11         | 109                           | 327                              | 10                              | 24,200                      | >48,400                 | 290            | <0.5 |      |
| CR-436      | West River          | 3/24/2022   | Good             | 5.4                   | 8.30 | 14.07                   | 50.5                                | 104.6    | No   | N/A                 | Steady flow  | <0.05        | 13.4            | 6.7                   | <0.02                    | 32                               | 0.11        | 0.15                       | <0.010           | 0.05             | <1.4                  | 0.76       | 0.213          | 34         | <10                           | 1,580                            | 20                              | 12,000                      | 46                      | <0.5           |      |      |
| CR-877      | West River          | 3/24/2022   | Good             | 5.9                   | 8.30 | 13.50                   | 76.8                                | 105.0    | No   | N/A                 | Steady flow  | <0.05        | 9.03            | 2                     | <0.02                    | 19                               | 0.11        | 0.07                       | <0.010           | 0.08             | <1.4                  | 0.45       | 0.061          | 5.3        | <10                           | 959                              | 30                              | 959                         | 71                      | <0.5           |      |      |
| CR-591      | West River          | 3/24/2022   | Good             | 5.5                   | 8.01 | 14.33                   | 64.4                                | 122.0    | No   | N/A                 | Steady flow  | <0.05        | 21.6            | 7.2                   | <0.02                    | 44                               | 0.15        | 0.14                       | <0.010           | 0.07             | <1.4                  | 0.97       | 0.155          | 54         | 24,200                        | 1,080                            | <10                             | >24,200                     | 62                      | <0.5           |      |      |
| CR-77       | New Haven Harbor    | 3/24/2022   | Fair             | 6.8                   | 7.73 | 12.78                   | 84.9                                | 140.5    | No   | N/A                 | Steady flow, slight oily sheen   | <0.05        | 14.5            | 40.8                  | <0.02                    | 21                               | 0.11        | 0.19                       | <0.010           | 0.9              | <1.4                  | 0.72       | 0.071          | 6.0        | 1,660                         | 2,380                            | 1,920                           | 24,200                      | 182                     | <0.5           |      |      |
| CR-79       | Beaver Pond         | 3/24/2022   | Good             | 6.6                   | 7.54 | 12.55                   | 100.2                               | 144.8    | No   | N/A                 | Steady flow, slight oily sheen   | <0.05        | 38.4            | 8.1                   | <0.02                    | 38                               | 0.14        | 0.23                       | <0.010           | 0.34             | 2.2                   | 1.03       | 0.114          | 27         | 909                           | 4,880                            | 336                             | 19,900                      | 213                     | <0.5           |      |      |
| CR-1279     | Beaver Pond         | 3/24/2022   | Fair             | 6.3                   | 7.44 | 12.85                   | 199.5                               | 153.4    | No   | N/A                 | Steady flow, slight oily sheen   | <0.05        | 51.4            | 8                     | <0.02                    | 87                               | 0.24        | 0.49                       | 0.023            | 0.1              | 5.6                   | 1.82       | 0.263          | 44         | 1,440                         | 262                              | 1,790                           | >24,200                     | 208                     | <0.5           |      |      |
| CR-135      | Beaver Pond         | 3/24/2022   | Fair             | 6.5                   | 7.30 | 11.86                   | 60.4                                | 148.2    | No   | N/A                 | High amount oily sheen, leaf debris  | <0.05        | 63.1            | 35.1                  | <0.02                    | 123                              | 0.18        | 0.52                       | 0.012            | 1.62             | 4.8                   | 5.16       | 0.704          | 160        | 97                            | 5,790                            | 241                             | >24,200                     | 50                      | <0.5           |      |      |
| CR-78       | Beaver Pond         | 3/24/2022   | Fair             | 6.8                   | 7.73 | 12.78                   | 84.9                                | 140.5    | No   | N/A                 | Steady flow, slight oily sheen   | <0.05        | 24.1            | 5.4                   | <0.02                    | 25                               | 0.12        | 0.22                       | 0.013            | 0.11             | 1.8                   | 0.64       | 0.091          | 15         | 52                            | 2,140                            | 109                             | 14,100                      | 84                      | <0.5           |      |      |
| CR-1251     | Beaver Pond         | 3/24/2022   | Good             | 6.1                   | 7.59 | 13.72                   | 50.7                                | 140.7    | No   | N/A                 | Steady flow, oily sheen on flow entering CB  | <0.05        | 31.6            | 9.6                   | <0.02                    | 34                               | 0.17        | 0.52                       | 0.069            | 0.3              | <1.4                  | 1.86       | 0.322          | 28         | 20                            | 2,310                            | 20                              | >24,200                     | 58                      | <0.5           |      |      |
| CR-1276     | Beaver Pond         | 3/24/2022   | Fair             | 6.3                   | 7.46 | 14.49                   | 186.6                               | 153.8    | No   | N/A                 | Steady flow, oily sheen  | <0.05        | 49.4            | 7.3                   | <0.02                    | 66                               | 0.49        | 0.28                       | 0.025            | 0.11             | 4.6                   | 1.07       | 0.125          | 26         | 52                            | 1,520                            | 86                              | 4,800                       | 163                     | <0.5           |      |      |
| CR-149      | New Haven Harbor    | 3/24/2022   | Poor             | 7.3                   | 6.72 | 9.72                    | 104.8                               | 164.8    | Yes  | Organic/septic-like | Catch basin full of refuse, brown tint, suspended organics and refuse  | 0.17         | 43              | 461                   | <0.02                    | 44                               | <0.10       | 0.44                       | <0.010           | 0.26             | <1.4                  | 1.99       | 0.222          | 20         | 110                           | 2,480                            | 464                             | >24,200                     | 908                     | 0.5            |      |      |
| CR-5051     | New Haven Harbor    | 3/24/2022   | Fair             | 6.1                   | 7.65 | 11.78                   | 122.4                               | 143.9    | No   | N/A                 | Slow drip into catch basin, discharge is brown with suspended organic material, catch basin covered by and filled with leaves. No visible water in catch basin due to leaves | <0.05        | 202             | 21.1                  | <0.02                    | 223                              | 0.44        | 0.23                       | 0.021            | 0.07             | 7.1                   | 3.73       | 0.707          | 420        | 298                           | >24,200                          | 158                             | >24,200                     | 93                      | <0.5           |      |      |
| CR-5054     | New Haven Harbor    | 3/24/2022   | Fair             | 6.1                   | 7.64 | 12.34                   | 50.4                                | 136.8    | No   | N/A                 | Slow trickle along curb into CB. CB covered w/ leaves. Dark brown color.   | <0.05        | 95.6            | 52.9                  | <0.02                    | 488                              | 0.34        | 0.56                       | 0.014            | 0.06             | 17.0                  | 4.5        | 1.05           | 310        | 74                            | 3,650                            | 40                              | >24,200                     | 48                      | <0.5           |      |      |
| CR-5685     | New Haven Harbor    | 3/24/2022   | Good             | 6.6                   | 7.57 | 11.61                   | 74.3                                | 144.0    | No   | N/A                 | Slow trickle along curb, few leaves on CB. Light brownish color.   | <0.05        | 34.4            | 105                   | <0.02                    | 1450                             | 0.19        | 0.57                       | <0.010           | 0.26             | <1.4                  | 10.8       | 40             | 40         | 8,700                         | 11,600                           | >48,400                         | 244                         | <0.5                    |                |      |      |
| CR-5241     | New Haven Harbor    | 3/24/2022   | Good             | 6.2                   | 6.61 | 8.94                    | 64.3                                | 161.0    | Yes  | Organic             | Slow trickle into CB. Light brown color, some foam in CB   | <0.05        | 120             | 44.1                  | <0.02                    | 486                              | 0.15        | 0.51                       | <0.010           | 0.10             | 8.6                   | 5.05       | 1.210          | 440        | 1,070                         | >24,200                          | 1,420                           | >24,200                     | 56                      | <0.5           |      |      |
| CR-150      | New Haven Harbor    | 3/24/2022   | Good             | 6.4                   | 6.66 | 10.95                   | 493.6                               | 197.2    | Yes  | Mild organic        | Slow trickle into CB. Mostly clear, little sediment  | <0.05        | 10.7            | 28.9                  | <0.02                    | 19                               | 0.14        | 0.11                       | <0.010           | 0.37             | <1.4                  | 0.42       | 0.099          | 14         | >24,200                       | 12,000                           | >24,200                         | 104                         | <0.5                    |                |      |      |
| CR-5065     | New Haven Harbor    | 3/24/2022   | Poor             | 7.7                   | 6.88 | 9.82                    | 152.4                               | 171.2    | No   | N/A                 | CB completely full, does not appear to be draining/discharging. Fairly clear, slight oily sheen on top.  | <0.05        | 14              | 21.2                  | <0.02                    | 25                               | 0.12        | 0.14                       | <0.010           | 0.44             | <1.4                  | 0.65       | 0.082          | 10         | 98                            | 4,110                            | 166                             | >24,200                     | 151                     | <0.5           |      |      |
| CR-5244     | New Haven Harbor    | 3/24/2022   | Fair             | 6.5                   | 6.69 | 7.18                    | 72.5                                | 172.6    | Yes  | Organic             | Dark brown, not discharging, catch basin full of leaves, oily sheen  | 0.14         | 2,170           | 566                   | <0.02                    | 6330                             | 0.69        | 3.74                       | 0.018            | 0.02             | 100.0                 | 53         | 33,500         | 3,000      | >48,400                       | 3,170                            | >48,400                         | 92                          | <0.5                    |                |      |      |
| CR-5236A    | New Haven Harbor    | 3/24/2022   | Fair             | 6.4                   | 6.62 | 5.04                    | 540.6                               | 205.3    | Yes  | Organic             | Slow trickle into CB. Dark brown color, CB full of leaf litter   | 0.12         | 3670            | 268                   | 0.03                     | 4640                             | 0.43        | 2.94                       | 0.04             | 0.2              | 22.0                  | 69         | 13,100         | 6500       | 646                           | 808                              | >48,400                         | 1,010                       | 0.5                     |                |      |      |
| CR-151      | New Haven Harbor    | 3/24/2022   | Good             | 6.4                   | 6.66 | 10.95                   | 493.6                               | 197.2    | Yes  | Mild organic        | Slow trickle into CB. Mostly clear, little sediment  | <0.05        | 19.3            | 10.6                  | <0.02                    | 40                               | 0.21        | 0.15                       | <0.010           | 0.08             | <1.4                  | 1.25       | 0.144          | 27         | 135                           | 173                              | 175                             | >24,200                     | 483                     | <0.5           |      |      |



Table 1  
Stormwater Laboratory Analytical Results  
March 24, 2022  
New Haven, Connecticut

| Location ID | Receiving Waterbody | Sample Date | Field Parameters |                       |         |                         |                                     |          |      |                  |  |              | Laboratory Analytical Parameters |                       |                          |            |             |                            |                  |                  |                       |            |                |            |                               |                                  |                                 |                             |                        |                |
|-------------|---------------------|-------------|------------------|-----------------------|---------|-------------------------|-------------------------------------|----------|------|------------------|--|--------------|----------------------------------|-----------------------|--------------------------|------------|-------------|----------------------------|------------------|------------------|-----------------------|------------|----------------|------------|-------------------------------|----------------------------------|---------------------------------|-----------------------------|------------------------|----------------|
|             |                     |             | Condition        | Temperature (Celsius) | pH (SU) | Dissolved Oxygen (mg/L) | Specific Conductivity (SPC) (uS/cm) | ORP (mV) | Odor | Odor Description | Discharge Description  | Boron (mg/L) | Turbidity (NTU)                  | Hardness CaCO3 (mg/L) | Chloride Residual (mg/L) | COD (mg/L) | MBAS (mg/L) | Ammonia as Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Escherichia Coli (MPN/100 ml) | Enterococci Bacteria (MPN/100ml) | Fecal Coliforms MPN (MPN/100ml) | Total Coliforms (MPN/100ml) | Conductivity (umho/cm) | Salinity (ppt) |
| CR-182      | New Haven Harbor    | 3/24/2022   | Good             | 9.0                   | 6.61    | 10.39                   | 313.9                               | 207.2    | No   | N/A              | Good flow into MH. Clear.                                    | 0.06         | 11.4                             | 74.7                  | <0.02                    | 23         | 0.05        | 0.16                       | 0.011            | 1.62             | <1.4                  | 0.54       | 0.093          | 35         | 31                            | 109                              | 30                              | 2140                        | 323                    | <0.5           |
| CR-5082     | New Haven Harbor    | 3/24/2022   | Fair             | 8.3                   | 5.96    | 6.59                    | 545.0                               | 211.4    | No   | N/A              | Slow trickle into CB. Dark brownish. CB full of leaves.      | <0.05        | 742                              | 152                   | 0.05                     | 219        | 0.27        | 0.31                       | 0.017            | 0.97             | 15.0                  | 4.09       | 0.745          | 5000       | 40                            | 602                              | <10                             | >48,400                     | 589                    | 4.09           |
| CR-5145     | New Haven Harbor    | 3/24/2022   | Good             | 6.5                   | 5.46    | 12.23                   | 98.7                                | 196.1    | No   | N/A              | Slow trickle into CB. Some leaf litter/debris. Mostly clear. | <0.05        | 29                               | 9.4                   | <0.02                    | 25         | 0.13        | 0.14                       | <0.010           | 0.14             | <1.4                  | 0.55       | 0.072          | 15         | 4,610                         | 830                              | 652                             | 11,200                      | 119                    | <0.5           |
| CR-5169     | New Haven Harbor    | 3/24/2022   | Good             | 6.1                   | 5.53    | 11.53                   | 40.5                                | 192.8    | No   | N/A              | Slow trickle into CB. Clear. some leaf litter.               | <0.05        | 18.9                             | 2.9                   | <0.02                    | 23         | 0.11        | 0.10                       | <0.010           | 0.09             | <1.6                  | 0.45       | 0.107          | 15         | 169                           | 780                              | 52                              | 9,800                       | 32                     | <0.5           |

- Notes:**
- pH field tested by Atlas
  - Concentrations in bold were reported above the laboratory reporting limits
  - mg/L = milligrams per liter
  - TKN = Nitrogen Tot Kjeldahl
  - < 0.5: Indicates compound was Not Detected at or above the specified laboratory reporting limit
  - >24,200: Indicates sample was found above the laboratory detection limit
  - = Not Sampled
  - \* = Not analyzed per Lab error
  - Highlighted and Bold = above Pollutant Threshold

| Pollutant                  | Pollutant Threshold   |
|----------------------------|---|
| Nitrogen (Total)           | >2.5 mg/L   |
| Phosphorus (Total)         | >0.3 mg/L   |
| Bacteria (fresh Waterbody) | E. Coli: >315 col/100 ml for swimming areas<br>Total Coliforms: >500 col/100 ml   |
| Bacteria (Salt Waterbody)  | Fecal Coli: >31 col/100ml for Class S-V and >200 col/100ml for Class SB<br>Enterococci: >104 col/100 ml for swimming areas or 500 col/100ml for all others<br>Sample Turbidity: is 5 NTU > in-stream sample |
| Other POCs                 | >0.5 mg/L   |
| Ammonia                    | >0.25 mg/L  |
| Sulfonams                  | Amy/Deionized level   |
| Chlorine                   | >1,500 uS   |
| Conductivity               | 0.5 ppt   |
| Salinity                   |   |

**Table 2**  
**Stormwater Laboratory Analytical Results**

Laboratory Duplicate Bacteria Samples

March 2022

|             |                     |             |                                       | Laboratory Analytical Results |                 |                 |                                    |                      |                     |                 |  |
|-------------|---------------------|-------------|---------------------------------------|-------------------------------|-----------------|-----------------|------------------------------------|----------------------|---------------------|-----------------|--|
| Location ID | Receiving Waterbody | Sample Date | Environmental Consulting Laboratories |                               |                 |                 | Phoenix Environmental Laboratories |                      |                     |                 |  |
|             |                     |             | Escherichia Coli                      | Enterococci Bacteria          | Fecal Coliforms | Total Coliforms | Escherichia Coli                   | Enterococci Bacteria | Fecal Coliforms MPN | Total Coliforms |  |
|             |                     |             | MPN/100mls                            |                               |                 |                 |                                    |                      |                     |                 |  |
| OF-70       | West River          | 3/24/2022   | 1,090                                 | 1,350                         | 520             | 30,760          | 1,110                              | 1,220                | 1,330               | >24,200         |  |
| CB-451      | West River          | 3/24/2022   | 100                                   | 520                           | <100            | 17,230          | 109                                | 327                  | 10                  | 24,200          |  |
| CB-626      | West River          | 3/24/2022   | <100                                  | 1,450                         | <100            | 15,390          | <10                                | 1,350                | 20                  | 12,000          |  |
| CB-877      | West River          | 3/24/2022   | 100                                   | 100                           | <100            | 1,450           | <10                                | <10                  | 30                  | 959             |  |
| CB-593      | West River          | 3/24/2022   | 51,720                                | 1,100                         | <100            | 120,330         | 24,200                             | 1,080                | <10                 | >24,200         |  |
| OF-77       | New Haven Harbor    | 3/24/2022   | 2,030                                 | 1,730                         | 310             | 35,780          | 1,660                              | 2,380                | 1,920               | 24,200          |  |
| OF-79       | Beaver Pond         | 3/24/2022   | 920                                   | 3,450                         | 300             | 38,730          | 909                                | 4,880                | 336                 | 19,900          |  |
| CB-1279     | Beaver Pond         | 3/24/2022   | 1,610                                 | 9,850                         | 310             | 51,720          | 1,440                              | 262                  | 1,790               | >24,200         |  |
| CB-1335     | Beaver Pond         | 3/24/2022   | <100                                  | 4,740                         | 100             | 120,330         | 97                                 | 5,790                | 241                 | >24,200         |  |
| OF-78       | Beaver Pond         | 3/24/2022   | 200                                   | 4,410                         | <100            | 57,940          | 52                                 | 2,140                | 109                 | 14,100          |  |
| CB-1251     | Beaver Pond         | 3/24/2022   | <100                                  | 241,960                       | 2,590           | <100            | 20                                 | 2,310                | 20                  | >24,200         |  |
| CB-1276     | Beaver Pond         | 3/24/2022   | 200                                   | 1,600                         | 200             | 34,480          | 52                                 | 1,520                | 86                  | 4,880           |  |
| OF-149      | New Haven Harbor    | 3/24/2022   | 100                                   | 3,090                         | 200             | 20,140          | 110                                | 2,480                | 464                 | >24,200         |  |
| CB-5051     | New Haven Harbor    | 3/24/2022   | 300                                   | >241,960                      | 200             | >241,960        | 298                                | >24,200              | 158                 | >24,200         |  |
| CB-5054     | New Haven Harbor    | 3/24/2022   | 410                                   | 1,750                         | 200             | 30,760          | 74                                 | 3,650                | 40                  | >24,200         |  |
| CB-5685     | New Haven Harbor    | 3/24/2022   | 4,770                                 | 64,880                        | 2,590           | 24,890          | 8,700                              | >48,400              | 11,600              | >48,400         |  |
| CB-5241     | New Haven Harbor    | 3/24/2022   | 2,290                                 | 10,500                        | 410             | 23,590          | 1,070                              | >24,200              | 1,420               | >24,200         |  |
| OF-150      | New Haven Harbor    | 3/24/2022   | 26,130                                | 5,120                         | 16,580          | 61,310          | >24,200                            | 12,000               | >24,200             | >24,200         |  |
| CB-5065     | New Haven Harbor    | 3/24/2022   | <100                                  | 2,010                         | 12,910          | <100            | 98                                 | 4,110                | 166                 | >24,200         |  |
| CB-5244     | New Haven Harbor    | 3/24/2022   | 4,220                                 | >241,960                      | 200             | >241,960        | >48,400                            | >48,400              | 3,170               | >48,400         |  |
| CB-5236A    | New Haven Harbor    | 3/24/2022   | 1,460                                 | >241,960                      | 520             | >241,960        | 646                                | >48,400              | 808                 | >48,400         |  |
| OF-151      | New Haven Harbor    | 3/24/2022   | 200                                   | 410                           | 100             | 48,840          | 135                                | 173                  | 175                 | >24,200         |  |
| OF-152      | New Haven Harbor    | 3/24/2022   | 100                                   | 100                           | 100             | 7,590           | 31                                 | 109                  | 30                  | 2,140           |  |
| CB-5082     | New Haven Harbor    | 3/24/2022   | <100                                  | 520                           | <100            | >241,960        | 40                                 | 602                  | <20                 | >48,400         |  |
| CB-5345     | New Haven Harbor    | 3/24/2022   | 3,310                                 | 630                           | 740             | 23,820          | 4,610                              | 830                  | 652                 | 11,200          |  |
| CB-5369     | New Haven Harbor    | 3/24/2022   | 410                                   | 22,470                        | <100            | >241,960        | 169                                | 780                  | 52                  | 9,800           |  |



Table 1  
 Stormwater Laboratory Analytical Results  
 April 15, 2021  
 New Haven, Connecticut

| Location ID | Receiving Waterbody | Sample Date | Field Parameters      |                               |         |                         |          |                 |                          | Laboratory Analytical Parameters |                       |                          |            |             |                            |                  |                  |                       |            |                |            |                                |                                   |                                  |                              |                         |                |
|-------------|---------------------|-------------|-----------------------|-------------------------------|---------|-------------------------|----------|-----------------|--------------------------|----------------------------------|-----------------------|--------------------------|------------|-------------|----------------------------|------------------|------------------|-----------------------|------------|----------------|------------|--------------------------------|-----------------------------------|----------------------------------|------------------------------|-------------------------|----------------|
|             |                     |             | Temperature (Celsius) | Specific Conductivity (µs/cm) | pH (SU) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Color                    | Boron (mg/L)                     | Hardness CaCO3 (mg/L) | Chlorine Residual (mg/L) | COD (mg/L) | MBAS (mg/L) | Ammonia as Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Escherichia Coli (MPN/100 mls) | Enterococci Bacteria (MPN/100mls) | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) | Conductivity (µmhos/cm) | Salinity (ppt) |
| OF-61       | Wintergreen Brook   | 4/15/2021   | 12.2                  | 185.9                         | 7.22    | 14.38                   | 63.7     | 25.89           | clear-brown              | <0.05                            | 13.5                  | <0.02                    | 73         | 0.46        | 2.54                       | 0.041            | 0.61             | 2.0                   | 3.78       | 0.497          | 30         | >24,200                        | **                                | >24,200                          | >24,200                      | 216                     | <0.5           |
| CB-6091     | Wintergreen Brook   | 4/15/2021   | 12.2                  | 284.1                         | 7.32    | 20.22                   | 40.5     | 35.72           | clear-brown, some solids | <0.05                            | 13.9                  | <0.02                    | 101        | 1.00        | 0.51                       | 0.030            | 0.41             | 2.6                   | 1.74       | 0.311          | 54         | 228                            | **                                | 169                              | >24,200                      |                         |                |
| CB-6094     | Wintergreen Brook   | 4/15/2021   | 12.3                  | 116.3                         | 7.10    | 14.5                    | 105.1    | 52.16           | clear-brown, some solids | <0.05                            | 10.0                  | <0.02                    | 101        | 0.52        | 0.65                       | 0.036            | 0.38             | 6.3                   | 1.72       | 0.239          | 78         | 6,130                          | **                                | 5,480                            | 24,200                       | 122                     | <0.5           |
| CB-6099     | Wintergreen Brook   | 4/15/2021   | 11.2                  | 94.4                          | 6.13    | 5.05                    | 173.6    | 25.80           | clear-brown, some solids | <0.05                            | 35.7                  | <0.02                    | 82         | 0.20        | 1.60                       | 0.016            | 0.26             | <1.4                  | 4.28       | 1.490          | 48         | 7,270                          | **                                | 6,130                            | >24,200                      | 152                     | <0.5           |
| OF-62       | Wintergreen Brook   | 4/15/2021   | 17.2                  | 246.4                         | 7.50    | 5.02                    | 115.1    | 71.29           | brown-grey               | 0.36                             | 64.6                  | <0.02                    | 562        | 11.4        | 21.4                       | 0.153            | 0.20             | 40                    | 53.6       | 5.990          | 230        | >24,200                        | **                                | >24,200                          | >24,200                      | 565                     | <0.5           |

Notes:  
 Turbidity and pH field tested by ATC  
 Concentrations in bold were reported above the laboratory reporting limits  
 mg/L: milligrams per liter  
 TKN = Nitrogen Tot Kjeldahl  
 < 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit  
 >24,200: Indicates sample was found above the laboratory detection limit  
 -- = Not Sampled  
 \* = Not analyzed per lab error

**Table 2**  
**Stormwater Laboratory Analytical Results**

Laboratory Duplicate Bacteria Samples  
 April 2021  
 New Haven, Connecticut

| Location ID | Receiving Waterbody | Sample Date | Environmental Consulting Laboratories |                                   |                                  |                              | Phoenix Environmental Laboratories |                                   |                                  |                              |
|-------------|---------------------|-------------|---------------------------------------|-----------------------------------|----------------------------------|------------------------------|------------------------------------|-----------------------------------|----------------------------------|------------------------------|
|             |                     |             | Escherichia Coli (MPN/100 mls)        | Enterococci Bacteria (MPN/100mls) | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) | Escherichia Coli (MPN/100 mls)     | Enterococci Bacteria (MPN/100mls) | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) |
|             |                     |             | OF-61                                 | Wintergreen Brook                 | 4/15/2021                        | 98,040                       | 81,640                             | 68,670                            | 241,960                          | >24,200                      |
| CB-6091     | Wintergreen Brook   | 4/15/2021   | 300                                   | 300                               | 310                              | 38,730                       | 228                                | *                                 | 169                              | >24,200                      |
| CB-6094     | Wintergreen Brook   | 4/15/2021   | 7,760                                 | 24,810                            | 4,480                            | 57,940                       | 6,130                              | *                                 | 5,480                            | 24,200                       |
| CB-6099     | Wintergreen Brook   | 4/15/2021   | 6,270                                 | 2,280                             | 4,040                            | 68,670                       | 7,270                              | *                                 | 6,130                            | >24,200                      |
| OF-62       | Wintergreen Brook   | 4/15/2021   | >241,960                              | >241,960                          | >241,960                         | >241,960                     | >24,200                            | *                                 | >24,200                          | >24,200                      |

not analyzed per lab error



Table 1  
Stormwater Laboratory Analytical Results  
October 2020  
New Haven, Connecticut

| Location ID    | Receiving Waterbody | Sample Date | Field Parameters      |                               |         |                         |          |                 |                                    |              |                       |                          | Laboratory Analytical Parameters |             |                            |                  |                  |                       |            |                |            |                                |                                    |                               |                               |                         |                |
|----------------|---------------------|-------------|-----------------------|-------------------------------|---------|-------------------------|----------|-----------------|------------------------------------|--------------|-----------------------|--------------------------|----------------------------------|-------------|----------------------------|------------------|------------------|-----------------------|------------|----------------|------------|--------------------------------|------------------------------------|-------------------------------|-------------------------------|-------------------------|----------------|
|                |                     |             | Temperature (Celsius) | Specific Conductivity (µs/cm) | pH (SU) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Color                              | Boron (mg/L) | Hardness CaCO3 (mg/L) | Chlorine Residual (mg/L) | COD (mg/L)                       | MBAS (mg/L) | Ammonia as Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Escherichia Coli (MPN/100 mls) | Enterococci Bacteria (MPN/100mils) | Fecal Coliforms (MPN/100mils) | Total Coliforms (MPN/100mils) | Conductivity (umhos/cm) | Salinity (ppt) |
| OF-60A         | Wintergreen Brook   | 10/29/2020  | 12.2                  | 311.2                         | 7.09    | 11.43                   | 47.8     | 27.88           | light brown-yellow                 | <0.05        | 3.7                   | <0.02                    | 21                               | 0.25        | 0.21                       | 0.011            | 0.25             | <1.4                  | 0.51       | 0.051          | 14         | 12,000                         | 19,900                             | 19,900                        | >24,200                       | 15                      | <0.5           |
| CB-6078        | Wintergreen Brook   | 10/29/2020  | 11.8                  | 24.7                          | 6.69    | 8.77                    | 61.2     | 31.21           | clear-yellow                       | <0.05        | 19.2                  | <0.02                    | 27                               | <0.10       | 0.35                       | 0.010            | 0.10             | <1.4                  | 0.94       | 0.068          | 19         | 1,900                          | 2,060                              | >24,200                       | 15                            | <0.5                    |                |
| CB-6124        | Wintergreen Brook   | 10/29/2020  | 12.2                  | 13.9                          | 6.05    | 9.04                    | 124.2    | 26.15           | clear-yellow                       | <0.05        | 3.8                   | <0.02                    | 21                               | <0.10       | 0.12                       | 0.019            | 0.12             | <1.4                  | 0.66       | 0.117          | 620        | 109                            | 3,870                              | 31                            | >24,200                       | 14                      | <0.5           |
| CB-Wintergreen | Wintergreen Brook   | 10/29/2020  | 11.2                  | 25.4                          | 5.86    | 9.76                    | 151.6    | 176.2           | Black-brown, suspended solids      | <0.05        | 12.4                  | <0.02                    | 89                               | <0.10       | 0.33                       | 0.030            | 0.39             | 5.2                   | 1.49       | 0.217          | 87         | 7,700                          | 6,490                              | >24,200                       | 26                            | <0.5                    |                |
| OF-45          | West River          | 10/29/2020  | 12.0                  | 30.6                          | 5.86    | 9.02                    | 160.7    | 57.96           | yellow-brown                       | <0.05        | 6.4                   | <0.02                    | 53                               | 0.16        | 0.33                       | 0.023            | 0.20             | 1.7                   | 0.99       | 0.110          | 34         | 4,610                          | 8,660                              | >24,200                       | 29                            | <0.5                    |                |
| OF-25          | West River          | 10/29/2020  | 10.8                  | 76                            | 6.12    | 8.21                    | 151.6    | 450.3           | Dark brown-black, suspended solids | 0.06         | 115                   | 0.04                     | 1,410                            | 0.34        | 1.35                       | 0.032            | 0.04             | 7.8                   | 24.5       | 4.40           | 1,500      | 5,790                          | 15,500                             | >24,200                       | 77                            | <0.5                    |                |
| CB-112         | West River          | 10/29/2020  | 11.2                  | 57.9                          | 6.37    | 9.48                    | 152.4    | 263.2           | Dark brown-black, suspended solids | <0.05        | 21.1                  | <0.02                    | 195                              | 0.22        | 0.17                       | 0.017            | 0.12             | 1.9                   | 3.02       | 0.689          | 150        | >24,200                        | >24,200                            | >24,200                       | 54                            | <0.5                    |                |
| CB-76          | West River          | 10/29/2020  | 10.8                  | 21.4                          | 6.51    | 9.97                    | 146.2    | 52.09           | yellow-brown                       | <0.05        | 3.3                   | <0.02                    | 46                               | 0.48        | 0.16                       | 0.011            | 0.08             | <1.4                  | 0.75       | 0.194          | 19         | 9,210                          | 6,490                              | >24,200                       | 23                            | <0.5                    |                |
| CB-110         | West River          | 10/29/2020  | 11.0                  | 23.3                          | 6.22    | 14.05                   | 167.1    | 33.17           | clear-yellow                       | <0.05        | 7.7                   | <0.02                    | 44                               | 0.12        | 0.12                       | <0.010           | 0.04             | 1.4                   | 0.81       | 0.270          | 25         | 6,490                          | 9,210                              | >24,200                       | 23                            | <0.5                    |                |
| CB-825         | West River          | 10/29/2020  | 10.9                  | 24.9                          | 6.16    | 9.36                    | 167.9    | 48.77           | clear-yellow                       | <0.05        | 7.9                   | <0.02                    | 51                               | 0.16        | 0.13                       | 0.014            | 0.07             | <1.4                  | 0.82       | 0.368          | 32         | >24,200                        | 24,200                             | >24,200                       | 24                            | <0.5                    |                |
| OF-26          | West River          | 10/29/2020  | 11.9                  | 35.7                          | 6.20    | 9.29                    | 165.5    | 91.52           | brown                              | <0.05        | 11.7                  | <0.02                    | 68                               | 0.14        | 0.15                       | 0.016            | 0.10             | 3.4                   | 0.86       | 0.281          | 44         | >24,200                        | 24,200                             | >24,200                       | 35                            | <0.5                    |                |
| CB-244         | West River          | 10/29/2020  | 11.1                  | 13.7                          | 6.45    | 11.57                   | 159.2    | 48.78           | yellow-brown                       | <0.05        | 8.3                   | <0.02                    | 51                               | <0.10       | 0.16                       | <0.010           | 0.04             | 1.6                   | 1.08       | 0.222          | 52         | 1,520                          | 1,440                              | >24,200                       | 12                            | <0.5                    |                |
| CB-378         | West River          | 10/29/2020  | 11.0                  | 47.3                          | 6.23    | 9.85                    | 166.5    | 503.3           | Black, suspended solids            | 0.06         | 97.9                  | <0.02                    | 908                              | 0.37        | <0.25                      | 0.028            | 0.08             | 70                    | 4.03       | 0.910          | 700        | >24,200                        | >24,200                            | >24,200                       | 57                            | <0.5                    |                |
| CB-399         | West River          | 10/29/2020  | 10.7                  | 45.8                          | 6.6     | 8.71                    | 159.6    | 90.77           | brown, little suspended solids     | <0.05        | 12.7                  | <0.02                    | 63                               | 0.13        | 0.20                       | 0.021            | 0.36             | <1.4                  | 1.18       | 0.288          | 25         | 19,900                         | 8,660                              | >24,200                       | 45                            | <0.5                    |                |
| CB-383         | West River          | 10/29/2020  | 10.6                  | 17.5                          | 6.55    | 9.72                    | 161.6    | 55.32           | brown                              | <0.05        | 3.1                   | <0.02                    | 57                               | 0.24        | 0.12                       | 0.012            | 0.04             | <1.4                  | 0.68       | 0.367          | 27         | 1,550                          | 1,220                              | >24,200                       | 19                            | <0.5                    |                |
| CB-789         | West River          | 10/29/2020  | 14.7                  | 81.7                          | 5.98    | 6.88                    | 184.7    | 50.78           | brown                              | <0.05        | 35.8                  | <0.02                    | 65                               | 0.13        | 0.43                       | 0.013            | 0.02             | <1.4                  | 1.96       | 0.314          | 27         | 884                            | 1,440                              | >24,200                       | 83                            | <0.5                    |                |
| CB-448         | West River          | 10/29/2020  | 11.9                  | 48.3                          | 6.64    | 9.12                    | 139.1    | 34.66           | yellow-brown                       | <0.05        | 17                    | <0.02                    | 23                               | <0.10       | 0.22                       | <0.010           | 0.34             | <1.4                  | 1.0        | 0.217          | 10         | 5,480                          | 4,110                              | >24,200                       | 46                            | <0.5                    |                |

Notes:  
Turbidity and pH field tested by ATC  
Concentrations in bold were reported above the laboratory reporting limits  
mg/l: milligrams per liter  
TKN = Nitrogen Tot Kjeldahl  
< 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit  
>24,200: Indicates sample was found above the laboratory detection limit

**Table 2**  
**Stormwater Laboratory Analytical Results**

Laboratory Duplicate Bacteria Samples  
 Oct. 2020  
 New Haven, Connecticut

| <b>Laboratory Analytical Results</b> |                            |                    |  |  |   |                                     |   |  |   |                                     |
|--------------------------------------|----------------------------|--------------------|--|--|---|-------------------------------------|---|--|---|-------------------------------------|
| <b>Location ID</b>                   | <b>Receiving Waterbody</b> | <b>Sample Date</b> | <b>Environmental Consulting Laboratories</b> |  |   |                                     | <b>Phoenix Environmental Laboratories</b> |  |   |                                     |
|                                      |                            |                    | <b>Escherichia Coli (MPN/100 mls)</b>        | <b>Enterococci Bacteria (MPN/100mls)</b> | <b>Fecal Coliforms MPN (MPN/100mls)</b> | <b>Total Coliforms (MPN/100mls)</b> | <b>Escherichia Coli (MPN/100 mls)</b>     | <b>Enterococci Bacteria (MPN/100mls)</b> | <b>Fecal Coliforms MPN (MPN/100mls)</b> | <b>Total Coliforms (MPN/100mls)</b> |
| OF-60A                               | Wintergreen Brook          | 10/29/2020         | 16,070                                       | 30,760                                   | 13,960                                  | 51,720                              | 12,000                                    | 19,900                                   | 19,900                                  | >24,200                             |
| CB-6078                              | Wintergreen Brook          | 10/29/2020         | 2,880  | 9,850                                    | 1,480                                   | 34,480                              | 1,900                                     | 9,800                                    | 2,060                                   | >24,200                             |
| CB-6124                              | Wintergreen Brook          | 10/29/2020         | 520  | 2,920                                    | 200                                     | 129,970                             | 109                                       | 3,870                                    | 31                                      | >24,200                             |
| CB-Wintergreen                       | Wintergreen Brook          | 10/29/2020         | 6,500  | 12,590                                   | 8,330                                   | >241,960                            | 7,700                                     | 24,200                                   | 6,490                                   | >24,200                             |
| OF-45                                | West River                 | 10/29/2020         | 3,450  | 22,470                                   | 3,590                                   | >241,960                            | 4,610                                     | >24,200                                  | 8,660                                   | >24,200                             |
| OF-25                                | West River                 | 10/29/2020         | 5,730  | 38,730                                   | 5,730                                   | >241,960                            | 5,790                                     | >24,200                                  | 15,500                                  | >24,200                             |
| CB-112                               | West River                 | 10/29/2020         | 104,620                                      | 155,310                                  | 77,010                                  | >241,960                            | >24,200                                   | >24,200                                  | >24,200                                 | >24,200                             |
| CB-76                                | West River                 | 10/29/2020         | 8,200  | 22,820                                   | 7,940                                   | >241,960                            | 9,210                                     | >24,200                                  | 6,490                                   | >24,200                             |
| CB-110                               | West River                 | 10/29/2020         | 5,910  | 12,740                                   | 4,800                                   | >241,960                            | 6,490                                     | 17,300                                   | 9,210.0                                 | >24,200                             |
| CB-825                               | West River                 | 10/29/2020         | 32,550                                       | 68,670                                   | 26,130                                  | >241,960                            | >24,200                                   | >24,200                                  | 24,200                                  | >24,200                             |
| OF-26                                | West River                 | 10/29/2020         | 41,060                                       | 86,640                                   | 19,350                                  | >241,960                            | >24,200                                   | >24,200                                  | 24,200                                  | >24,200                             |
| CB-244                               | West River                 | 10/29/2020         | 2,160  | 5,480                                    | 410                                     | 173,290                             | 1520                                      | 9800                                     | 1440                                    | >24,200                             |
| CB-378                               | West River                 | 10/29/2020         | 104,620                                      | 198,630                                  | 57,940                                  | >241,960                            | >24,200                                   | >24,200                                  | >24,200                                 | >24,200                             |
| CB-399                               | West River                 | 10/29/2020         | 19,890                                       | 13,910                                   | 10,860                                  | >241,960                            | 19900                                     | 17300                                    | 8660                                    | >24,200                             |
| CB-383                               | West River                 | 10/29/2020         | 1,460  | 2,130                                    | 1,100                                   | >241,960                            | 1550                                      | 5170                                     | 1220                                    | >24,200                             |
| CB-789                               | West River                 | 10/29/2020         | 1,090  | 26,030                                   | 1,450                                   | >241,960                            | 884                                       | >24,200                                  | 1440                                    | >24,200                             |
| CB-448                               | West River                 | 10/29/2020         | 4,390  | 16,640                                   | 2,990                                   | 241,960                             | 5480                                      | 15500                                    | 4110                                    | >24,200                             |

Table 1  
Stormwater Laboratory Analytical Results  
October 2020  
New Haven, Connecticut

| Location ID | Receiving Waterbody | Sample Date | Field Parameters      |                               |         |                         |          |                 |                                    | Laboratory Analytical Parameters |                       |                          |            |             |                            |                  |                  |                       |            |                |            |                               |                                  |                                 |                             |                         |                |
|-------------|---------------------|-------------|-----------------------|-------------------------------|---------|-------------------------|----------|-----------------|------------------------------------|----------------------------------|-----------------------|--------------------------|------------|-------------|----------------------------|------------------|------------------|-----------------------|------------|----------------|------------|-------------------------------|----------------------------------|---------------------------------|-----------------------------|-------------------------|----------------|
|             |                     |             | Temperature (Celsius) | Specific Conductivity (µs/cm) | pH (SU) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Color                              | Boron (mg/L)                     | Hardness CaCO3 (mg/L) | Chlorine Residual (mg/L) | COD (mg/L) | MBAS (mg/L) | Ammonia as Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Escherichia Coli (MPN/100 ms) | Enterococci Bacteria (MPN/100ms) | Fecal Coliforms MPN (MPN/100ms) | Total Coliforms (MPN/100ms) | Conductivity (umhos/cm) | Salinity (ppt) |
| OF-15       | Lake Wintergreen    | 10/2/2020   | 20.3                  | 190.3                         | 5.33    | 0.88                    | 156.2    | 20.22           | 0ily brown, visible solids         | 0.05                             | 43.5                  | 0.12                     | 349        | 0.25        | 0.50                       | 0.041            | 0.5              | 46                    | 6.25       | 1.090          | 790        | >24,200                       | 24,200                           | >24,200                         | 182                         | <0.5                    |                |
| OF-16       | Lake Wintergreen    | 10/2/2020   | 18.7                  | 198.5                         | 6.86    | 6.89                    | 82.6     | 17.02           | clear-light yellow, visible solids | <0.05                            | 61.1                  | <0.02                    | 49         | 0.19        | 0.16                       | 0.014            | 1.23             | <1.4                  | 1.25       | 0.254          | 57         | 987                           | 8,160                            | 2,600                           | >24,200                     | 206                     | <0.5           |
| OF-21       | Lake Wintergreen    | 10/2/2020   | 19.8                  | 194.1                         | 6.91    | 0.84                    | 155.2    | 16.41           | light grey-clear, visible solids   | <0.05                            | 45.2                  | <0.02                    | 76         | 1.61        | 0.16                       | <0.010           | <0.02            | <1.4                  | 1.38       | 0.291          | 9.3        | 10,500                        | 6,870                            | 19,900                          | >24,200                     | 161                     | <0.5           |
| CB-110      | Lake Wintergreen    | 10/2/2020   | 19.3                  | 193.2                         | 5.31    | 0.22                    | 150.8    | 15.54           | light grey-clear, visible solids   | <0.05                            | 42.6                  | <0.02                    | 83         | 0.44        | 0.10                       | <0.010           | <0.02            | <1.4                  | 1.39       | 0.302          | 20         | 6,290                         | 10,500                           | 19,900                          | >24,200                     | 160                     | <0.5           |
| CB-76       | Lake Wintergreen    | 10/2/2020   | 19.6                  | 195.6                         | 6.45    | 0.54                    | 152.6    | 15.77           | light grey-clear, visible solids   | <0.05                            | 44.5                  | <0.02                    | 81         | 0.29        | <0.10                      | <0.010           | <0.02            | <1.4                  | 1.76       | 0.316          | 27         | 9,800                         | 8,160                            | 24,200                          | >24,200                     | 163                     | <0.5           |
| CB-751      | Lake Wintergreen    | 10/2/2020   | 19.4                  | 192.3                         | 6.88    | 0.73                    | 143.6    | 14.86           | light grey-clear, visible solids   | <0.05                            | 42.9                  | <0.02                    | 76         | 0.33        | <0.10                      | <0.010           | <0.02            | <1.4                  | 1.18       | 0.299          | 13         | 7,270                         | 9,800                            | >24,200                         | 167                         | <0.5                    |                |
| CB-114      | Lake Wintergreen    | 10/2/2020   | 19.7                  | 196.3                         | 7.02    | 0.85                    | 156.4    | 14.66           | light grey-clear, visible solids   | <0.05                            | 51.7                  | <0.02                    | 87         | 0.21        | 0.12                       | <0.010           | <0.02            | <1.4                  | 1.39       | 0.342          | 22         | 7,270                         | 10,500                           | 24,200                          | >24,200                     | 164                     | <0.5           |

Notes:  
Turbidity and pH field tested by ATC  
Concentrations in bold were reported above the laboratory reporting limits  
mg/l: milligrams per liter  
TKN = Nitrogen Tot Kjeldahl  
< 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit  
>24,200: Indicates sample was found above the laboratory detection limit

**Table 2**  
**Stormwater Laboratory Analytical Results**

Laboratory Duplicate Bacteria Samples  
 Oct. 2020  
 New Haven, Connecticut

| Location ID | Receiving Waterbody | Sample Date | Environmental Consulting Laboratories |                                   |                                  |                              | Phoenix Environmental Laboratories |                                   |                                  |                              |
|-------------|---------------------|-------------|---------------------------------------|-----------------------------------|----------------------------------|------------------------------|------------------------------------|-----------------------------------|----------------------------------|------------------------------|
|             |                     |             | Escherichia Coli (MPN/100 mls)        | Enterococci Bacteria (MPN/100mls) | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) | Escherichia Coli (MPN/100 mls)     | Enterococci Bacteria (MPN/100mls) | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) |
| OF-15       | Lake Wintergreen    | 10/2/2020   | 5,790                                 | 19,510                            | 198,630                          | >241,960                     | >24,200                            | 24,200                            | >24,200                          | >24,200                      |
| OF-16       | Lake Wintergreen    | 10/2/2020   | 750                                   | 3,830                             | 3,010                            | >241,960                     | 987                                | 8,160                             | 2,600                            | >24,200                      |
| OF-21       | Lake Wintergreen    | 10/2/2020   | 6,200                                 | 4,710                             | 41,060                           | >241,960                     | 10,500                             | 6,870                             | 19,900                           | >24,200                      |
| CB-110      | Lake Wintergreen    | 10/2/2020   | 7,430                                 | 6,090                             | 41,060                           | >241,960                     | 6,290                              | 10,500                            | 19,900                           | >24,200                      |
| CB-76       | Lake Wintergreen    | 10/2/2020   | 6,370                                 | 7,030                             | 19,180                           | >241,960                     | 9,800                              | 8,160                             | 24,200                           | >24,200                      |
| CB-751      | Lake Wintergreen    | 10/2/2020   | 5,730                                 | 5,540                             | 41,060                           | >241,960                     | 7,270                              | 9,800                             | >24,200                          | >24,200                      |
| CB-114      | Lake Wintergreen    | 10/2/2020   | 6,380                                 | 4,590                             | 38,730                           | >241,960                     | 7,270                              | 10,500                            | 24,200                           | >24,200                      |

**Notes**  
 Concentrations in **bold** were reported above the laboratory reporting limits  
 mg/l: milligrams per liter  
 < 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit  
 >24,200: Indicates sample was found above the laboratory detection limit

Table 1  
Summary of Stormwater Analytical Results  
New Haven, CT  
June 11, 2020

| Location ID | Receiving Waterbody | Sample Date | Field Parameters      |                               |         |                         |          |                 |                    |              |                       |                          | Laboratory Analytical Parameters |             |                            |                  |                  |                       |            |                |            |                                |                                   |                                  |                              |                         |                |
|-------------|---------------------|-------------|-----------------------|-------------------------------|---------|-------------------------|----------|-----------------|--------------------|--------------|-----------------------|--------------------------|----------------------------------|-------------|----------------------------|------------------|------------------|-----------------------|------------|----------------|------------|--------------------------------|-----------------------------------|----------------------------------|------------------------------|-------------------------|----------------|
|             |                     |             | Temperature (Celsius) | Specific Conductivity (µs/cm) | pH (SU) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Color              | Boron (mg/L) | Hardness CaCO3 (mg/L) | Chlorine Residual (mg/L) | COD (mg/L)                       | MBAS (mg/L) | Ammonia as Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Escherichia Coli (MPN/100 mls) | Enterococci Bacteria (MPN/100mls) | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) | Conductivity (µmhos/cm) | Salinity (ppt) |
| OF 156      | New Haven Harbor    | 6/11/2020   | 21.0                  | 4.11                          | 7.05    | 4.41                    | 140.9    | 22.32           | White-Cloudy       | 21.8         | 53900                 | <0.02                    | 7470                             | 0.68        | 2.67                       | <4.00            | <1.25            | <1.4                  | 14.2       | 0.420          | 99         | <10                            | 2,050                             | <10                              | 373                          | 238,000                 | 3.28           |
| CB 5123     | New Haven Harbor    | 6/11/2020   | 23.1                  | 1.59                          | 8.51    | 6.92                    | 13.6     | 147.4           | Light yellow-clear | <0.50        | 278                   | <0.02                    | 363                              | 1.1         | 3.50                       | 0.021            | 1.02             | 4.5                   | 8.75       | 0.573          | 150        | 31                             | 2,140                             | 228                              | >24,200                      | 2,390                   | 1.2            |
| CB 5128     | New Haven Harbor    | 6/11/2020   | 20.1                  | 0.88                          | 8.06    | 2.57                    | -71.0    | 91.71           | Brown-light brown  | 0.05         | 55.6                  | <0.02                    | 217                              | 0.5         | 0.69                       | <0.010           | <0.02            | 3.3                   | 4.77       | 0.733          | 130        | 323                            | 195                               | 20                               | >24,200                      | 447                     | <0.5           |
| CB 5141     | New Haven Harbor    | 6/11/2020   | 21.9                  | 0.303                         | 7.39    | 5.30                    | -12.2    | 62.99           | Clear-light yellow | 0.06         | 67.7                  | <0.002                   | 319                              | 0.6         | 3.34                       | <0.010           | <0.02            | 13                    | 10         | 2.1            | 190        | 860                            | >24,200                           | >24,200                          | 282                          | <0.5                    |                |
| CB 5152     | New Haven Harbor    | 6/11/2020   | 20.2                  | 0.481                         | 7.67    | 5.45                    | -24.8    | 67.35           | Light brown-clear  | 0.08         | 145                   | 0.11                     | 82                               | 0.35        | 0.70                       | 0.04             | 0.45             | 2.3                   | 2.31       | 0.216          | 52         | 743                            | 2,400                             | 3,080                            | >24,200                      | 405                     | <0.5           |
| CB5000      | New Haven Harbor    | 6/11/2020   | 21.5                  | 0.405                         | 7.76    | 5.01                    | -34.6    | 97.76           | Brown-light brown  | <0.05        | 54.2                  | <0.02                    | 177                              | 0.66        | 2.37                       | 0.025            | 0.87             | 3.6                   | 6.17       | 0.636          | 50         | 309                            | 4,350                             | 6,130                            | >24,200                      | 222                     | <0.5           |

Notes:  
Turbidity and pH field tested by ATC  
Concentrations in bold were reported above the laboratory reporting limits  
mg/L: milligrams per liter  
TKN = Nitrogen Tot Kjeldahl  
< 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit  
>24,200: Indicates sample was found above the laboratory detection limit

**Table 2**  
**Stormwater Sampling Bacterial Comparative Results**  
 New Haven, CT  
 June 11, 2020

| Laboratory Analytical Results         |                     |             |                                |                                    |                                  |                              |                                |                                   |                                  |                              |
|---------------------------------------|---------------------|-------------|--------------------------------|------------------------------------|----------------------------------|------------------------------|--------------------------------|-----------------------------------|----------------------------------|------------------------------|
| Environmental Consulting Laboratories |                     |             |                                | Phoenix Environmental Laboratories |                                  |                              |                                |                                   |                                  |                              |
| Location ID                           | Receiving Waterbody | Sample Date | Escherichia Coli (MPN/100 mls) | Enterococci Bacteria (MPN/100mls)  | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) | Escherichia Coli (MPN/100 mls) | Enterococci Bacteria (MPN/100mls) | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) |
| OF 156                                | New Haven Harbor    | 6/11/2020   | 200                            | 100                                | <100                             | 2,130                        | <10                            | 2,050                             | <10                              | 373                          |
| CB 5123                               | New Haven Harbor    | 6/11/2020   | <100                           | 3,450                              | <100                             | 61,310                       | 31                             | 2,140                             | 228                              | >24,200                      |
| CB 5128                               | New Haven Harbor    | 6/11/2020   | 970                            | 610                                | 410                              | >241,960                     | 323                            | 195                               | 20                               | >24,200                      |
| CB 5141                               | New Haven Harbor    | 6/11/2020   | 1,350                          | 53,350                             | 61,310                           | >241,960                     | 860                            | >24,200                           | >24,200                          | >24,200                      |
| CB 5152                               | New Haven Harbor    | 6/11/2020   | 840                            | 3,860                              | 14,080                           | >241,960                     | 743                            | 2,400                             | 3,080                            | >24,200                      |
| CB 5000                               | New Haven Harbor    | 6/11/2020   | 410                            | 32,550                             | 4,710                            | >241,960                     | 309                            | 4,350                             | 6,130                            | >24,200                      |

**Notes**

Concentrations in **bold** were reported above the laboratory reporting limits  
 mg/l: milligrams per liter  
 < 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit  
 >24,200: Indicates sample was found above the laboratory detection limit

**Table 1**  
**Summary of Stormwater Analytical Results**  
 New Haven, CT  
 April 24, 2020

| Location ID | Receiving Waterbody | Sample Date | Field Parameters      |                               |         |                         |          |                 |   | Laboratory Analytical Parameters |                       |                          |            |             |                            |                  |                  |                       |            |                |            |                               |                                  |                                 |                             |                         |                |
|-------------|---------------------|-------------|-----------------------|-------------------------------|---------|-------------------------|----------|-----------------|---|----------------------------------|-----------------------|--------------------------|------------|-------------|----------------------------|------------------|------------------|-----------------------|------------|----------------|------------|-------------------------------|----------------------------------|---------------------------------|-----------------------------|-------------------------|----------------|
|             |                     |             | Temperature (Celsius) | Specific Conductivity (µS/cm) | pH (SU) | Dissolved Oxygen (mg/L) | ORP (mV) | Turbidity (NTU) | Color                                   | Boron (mg/L)                     | Hardness CaCO3 (mg/L) | Chlorine Residual (mg/L) | COD (mg/L) | MBAS (mg/L) | Ammonia as Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Escherichia Coli (MPN/100 ms) | Enterococci Bacteria (MPN/100ms) | Fecal Coliforms MPN (MPN/100ms) | Total Coliforms (MPN/100ms) | Conductivity (µmhos/cm) | Salinity (ppt) |
| OP 141      | New Haven Harbor    | 4/24/2020   | 6.6                   | 0.485                         | 9.32    | 11.47                   | 138.8    | 60.86           | Light-to-medium brown                   | <0.05                            | 31.9                  | <0.02                    | 46         | 0.18        | 0.13                       | 0.021            | 0.11             | 2.7                   | 0.42       | 0.090          | 48         | 218                           | 187                              | 131                             | 4,880                       | 390                     | <0.5           |
| CH 50361    | New Haven Harbor    | 4/24/2020   | 7.1                   | 0.84                          | 8.26    | 11.41                   | 129.8    | 41.79           | Clear/light brown                       | <0.05                            | 77.6                  | <0.02                    | 25         | 0.17        | 0.09                       | 0.018            | 0.14             | <1.4                  | 0.53       | 0.046          | 31         | 31                            | 52                               | <10                             | 691                         | 1,210                   | 0.6            |
| CH 5007     | New Haven Harbor    | 4/24/2020   | 6.2                   | 0.166                         | 7.93    | 11.43                   | 100.9    | 75.22           | Brown/dark grey-Murky                   | <0.05                            | 38.9                  | <0.02                    | 78         | 0.18        | 0.33                       | 0.059            | 0.22             | 8.4                   | 1.31       | 0.159          | 88         | 355                           | 4,160                            | 169                             | 15,500                      | 193                     | <0.5           |
| CH 5036A    | New Haven Harbor    | 4/24/2020   | 7.3                   | 3.66                          | 7.38    | 8.31                    | 146.7    | 99.86           | Clear, strong oil sheen                 | 0.49                             | 66.2                  | <0.02                    | 160        | 0.14        | 0.39                       | 0.016            | 0.21             | 11                    | 1.69       | 0.576          | 350        | 98                            | 512                              | 74                              | 6,490                       | 3,980                   | 2.2            |
| CH 5145     | New Haven Harbor    | 4/24/2020   | 7.4                   | 0.09                          | 8.42    | 11.13                   | 35.6     | 22.99           | Clear-to-light yellow                   | <0.05                            | 5.2                   | <0.02                    | 19         | 0.08        | 0.22                       | <0.010           | 0.11             | <1.4                  | 0.42       | 0.054          | 28         | 20                            | 131                              | <10                             | 15,500                      | 23                      | <0.5           |
| CH 5163     | New Haven Harbor    | 4/24/2020   | 7.3                   | 0.084                         | 7.84    | 10.03                   | 61.5     | 67.67           | Clear-to-light yellow, strong oil sheen | <0.05                            | 26.9                  | <0.02                    | 48         | 0.1         | 0.14                       | 0.017            | 0.25             | 2.4                   | 0.66       | 0.099          | 110        | 161                           | 228                              | 75                              | 24,200                      | 83                      | <0.5           |
| OP 147      | New Haven Harbor    | 4/24/2020   | 11.2                  | 0.69                          | 7.05    | 6.63                    | 92       | 38              | Light brown-to-grey, strong oil sheen   | 0.10                             | 179                   | <0.02                    | 120        | 1.04        | 7.13                       | 0.073            | 0.64             | 13                    | 13.3       | 1.76           | 65         | >24,200                       | >24,200                          | >24,200                         | 933                         | 0.5                     |                |
| CH 5027     | New Haven Harbor    | 4/24/2020   | 9.0                   | 0.221                         | 7.63    | 7.39                    | 77.9     | 28.15           | Light yellow-to-clear                   | <0.05                            | 66.6                  | <0.02                    | 23         | 0.16        | 0.14                       | <0.010           | 0.41             | <1.4                  | 0.57       | 0.123          | 13         | 2,280                         | 776                              | 2,010                           | 24,200                      | 570                     | <0.5           |
| CH 5033     | New Haven Harbor    | 4/24/2020   | 6.8                   | 0.131                         | 7.86    | 11.31                   | 48.3     | 72.14           | Dark yellow-to-brown, slight oil sheen  | <0.05                            | 20.4                  | <0.02                    | 31         | 0.14        | 0.20                       | 0.033            | 0.39             | 1.7                   | 0.70       | 0.096          | 37         | 8,160                         | 5,480                            | 6,870                           | >24,200                     | 139                     | <0.5           |
| OP 148      | New Haven Harbor    | 4/24/2020   | 9.8                   | 0.412                         | 7.55    | 9.41                    | 69.1     | 12.32           | Clear/light yellow                      | <0.05                            | 88.7                  | <0.02                    | <10        | 0.07        | <0.05                      | <0.010           | 1.18             | <1.4                  | 0.22       | 0.026          | 13         | 393                           | 880                              | 355                             | 19,900                      | 403                     | <0.5           |
| CH 5199C    | New Haven Harbor    | 4/24/2020   | 9.0                   | 0.044                         | 7.38    | 10.03                   | 49.8     | 112.9           | Dark yellow-to-brown, slight oil sheen  | <0.05                            | 14.5                  | <0.02                    | 50         | 0.11        | 0.14                       | 0.021            | 0.31             | <1.4                  | 0.61       | 0.228          | 220        | 24,200                        | 384                              | 10,500                          | >24,200                     | 42                      | <0.5           |
| CH 5221     | New Haven Harbor    | 4/24/2020   | 7.3                   | 0.132                         | 7.43    | 11.52                   | 46.1     | 11.63           | Dark yellow-to-dark brown               | <0.05                            | 35.3                  | <0.02                    | 19         | 0.10        | 0.13                       | <0.010           | 0.87             | <1.4                  | 0.77       | 0.091          | 27         | 226                           | 1,500                            | 96                              | >24,200                     | 128                     | <0.5           |

**Notes:**  
 Turbidity and pH field tested by ATC  
 Concentrations in bold were reported above the laboratory reporting limits  
 mg/L: milligrams per liter  
 TKN = Nitrogen Tot Kjeldahl  
 < 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit  
 >24,200: Indicates sample was found above the laboratory detection limit

**Table 2**  
**Stormwater Sampling Bacterial Comparative Results**

New Haven, CT  
April 24, 2020

| Laboratory Analytical Results         |                     |             |                                |                                   |                                    |                              |                                |                                   |                                  |                              |
|---------------------------------------|---------------------|-------------|--------------------------------|-----------------------------------|------------------------------------|------------------------------|--------------------------------|-----------------------------------|----------------------------------|------------------------------|
| Environmental Consulting Laboratories |                     |             |                                |                                   | Phoenix Environmental Laboratories |                              |                                |                                   |                                  |                              |
| Location ID                           | Receiving Waterbody | Sample Date | Escherichia Coli (MPN/100 mls) | Enterococci Bacteria (MPN/100mls) | Fecal Coliforms MPN (MPN/100mls)   | Total Coliforms (MPN/100mls) | Escherichia Coli (MPN/100 mls) | Enterococci Bacteria (MPN/100mls) | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) |
| OF 141                                | New Haven Harbor    | 4/24/2020   | 200                            | 520                               | 100                                | 6,630                        | 218                            | 187                               | 131                              | 4,880                        |
| CB 5036I                              | New Haven Harbor    | 4/24/2020   | <100                           | 100                               | <100                               | 1,100                        | 31                             | 52                                | <10                              | 691                          |
| CB 5007                               | New Haven Harbor    | 4/24/2020   | 860                            | 2,230                             | 410                                | 22,470                       | 355                            | 4,160                             | 169                              | 15,500                       |
| CB 5036A                              | New Haven Harbor    | 4/24/2020   | 200                            | 740                               | 100                                | 9,060                        | 98                             | 512                               | 74                               | 6,490                        |
| CB 5145                               | New Haven Harbor    | 4/24/2020   | 100                            | 410                               | <100                               | 24,890                       | 20                             | 131                               | <10                              | 15,500                       |
| CB 5163                               | New Haven Harbor    | 4/24/2020   | 520                            | 100                               | 100                                | 27,550                       | 161                            | 228                               | 75                               | 24,200                       |
| OF 147                                | New Haven Harbor    | 4/24/2020   | >241,960                       | 241,960                           | >241,960                           | >241,960                     | >24,200                        | >24,200                           | >24,200                          | >24,200                      |
| CB 5027                               | New Haven Harbor    | 4/24/2020   | 3,790                          | 410                               | 850                                | 54,750                       | 2,280                          | 776                               | 2,010                            | 24,200                       |
| CB 5033                               | New Haven Harbor    | 4/24/2020   | 10,170                         | 8,800                             | 3,590                              | 21,430                       | 8,160                          | 5,480                             | 6,870                            | >24,200                      |
| OF 148                                | New Haven Harbor    | 4/24/2020   | 1,450                          | 1,190                             | 310                                | 36,540                       | 393                            | 880                               | 355                              | 19,900                       |
| CB 5199C                              | New Haven Harbor    | 4/24/2020   | 36,540                         | 200                               | 13,140                             | 48,840                       | 24,200                         | 384                               | 10,500                           | >24,200                      |
| CB 5221                               | New Haven Harbor    | 4/24/2020   | 310                            | 2,530                             | 100                                | 86,640                       | 226                            | 1,500                             | 96                               | >24,200                      |

**Notes**

Concentrations in **bold** were reported above the laboratory reporting limits

mg/l: milligrams per liter

< 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit

>24,200: Indicates sample was found above the laboratory detection limit







TABLE 1  
 STORMWATER LABORATORY ANALYTICAL RESULTS  
 JUNE 2018, QUINNIPAC AND MILL RIVER  
 NEW HAVEN, CONNECTICUT

| Sampling Location | Receiving Waterbody | Sample Date | Field Parameters |           |              | Laboratory Analytical Parameters |                          |            |             |                            |                  |                  |                       |            |                |            |                                |                                   |                                  |                              |                         |                |
|-------------------|---------------------|-------------|------------------|-----------|--------------|----------------------------------|--------------------------|------------|-------------|----------------------------|------------------|------------------|-----------------------|------------|----------------|------------|--------------------------------|-----------------------------------|----------------------------------|------------------------------|-------------------------|----------------|
|                   |                     |             | pH               | Turbidity | Boron (mg/L) | Hardness CaCO3 (mg/L)            | Chlorine Residual (mg/L) | COD (mg/L) | MBAS (mg/L) | Ammonia as Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Escherichia Coli (MPN/100 mls) | Enterococci Bacteria (MPN/100mls) | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) | Conductivity (umhos/cm) | Salinity (ppt) |
| O180              | Quinnipiac          | 6/21/18     | 7.04             | 6.37      | 0.05         | 220                              | <0.02                    | <10        | <0.05       | 0.08                       | 0.033            | 2.23             | <1.4                  | 0.82       | 0.123          | 8.0        | 616                            | >24,200                           | 605                              | >24,200                      | 678                     | <0.5           |
| CB3140            | Quinnipiac          | 6/21/18     | 6.85             | 160.5     | 0.06         | 115                              | <0.02                    | 305        | 1.15        | 3.80                       | 0.044            | 1.27             | 4.4                   | 8.17       | 0.959          | 76         | 1,660                          | 1,350                             | >24,200                          | 165                          | <0.5                    |                |
| CB3154D           | Quinnipiac          | 6/21/18     | 6.58             | 218.3     | <0.05        | 11.1                             | <0.02                    | 164        | 0.89        | 0.80                       | 0.054            | 0.68             | 11                    | 2.65       | 0.460          | 110        | 1,860                          | >24,200                           | >24,200                          | 92                           | <0.5                    |                |
| CB3145            | Quinnipiac          | 6/21/18     | 6.97             | 36.42     | <0.05        | 5.4                              | <0.02                    | 368        | 0.56        | 0.42                       | 0.033            | 0.67             | 4.8                   | 4.99       | 1.25           | 26         | >24,200                        | >24,200                           | 38                               | <0.5                         |                         |                |
| CB3163            | Quinnipiac          | 6/21/18     | 6.81             | 181.5     | <0.05        | 94.5                             | <0.02                    | 276        | 0.54        | 2.04                       | 0.168            | <0.02            | 3.7                   | 6.17       | 1.940          | 100        | 3,870                          | 17,300                            | >24,200                          | 299                          | <0.5                    |                |
| CB3111            | Quinnipiac          | 6/21/18     | 6.89             | 386.2     | <0.05        | 33.0                             | <0.02                    | 257        | 0.49        | 2.98                       | 0.492            | 0.05             | 4.9                   | 6.88       | 1.510          | 340        | >24,200                        | 19,900                            | >24,200                          | 169                          | <0.5                    |                |
| CB3245            | Quinnipiac          | 6/21/18     | 6.63             | 204.5     | <0.05        | 25.3                             | <0.02                    | 212        | 0.98        | 1.06                       | 0.056            | 1.00             | 5.7                   | 2.77       | 0.471          | 120        | 789                            | 884                               | >24,200                          | 506                          | <0.5                    |                |
| O119              | Mill                | 6/28/18     | 6.95             | 303.0     | <0.05        | 43.2                             | <0.02                    | 204        | 0.67        | 0.42                       | 0.012            | 0.15             | 2.7                   | 3.32       | 0.545          | 200        | 3,450                          | 4,110                             | >242,000                         | 112                          | <0.5                    |                |
| CB9268            | Mill                | 6/28/18     | 7.00             | 298.0     | <0.05        | 4.5                              | <0.02                    | 90         | 0.23        | 0.18                       | <0.010           | 0.25             | 1.6                   | 1.48       | 0.295          | 280        | 9,800                          | 7,270                             | >242,000                         | 28                           | <0.5                    |                |
| CB8843            | Mill                | 6/28/18     | 6.55             | 224.9     | <0.05        | 15.4                             | <0.02                    | 124        | 0.11        | 0.28                       | <0.010           | 0.12             | 3.5                   | 1.58       | 0.476          | 140        | 15,500                         | 5,170                             | >242,000                         | 14                           | <0.5                    |                |
| CB8818            | Mill                | 6/28/18     | 6.89             | 66.86     | <0.05        | 4.9                              | <0.02                    | 40         | <0.10       | 0.08                       | <0.010           | 0.09             | <1.4                  | 1.16       | 0.231          | 48         | 24,200                         | 17,300                            | >242,000                         | 16                           | <0.5                    |                |
| CB8810            | Mill                | 6/28/18     | 6.65             | 45.26     | <0.05        | 4.4                              | 0.03                     | 25         | <0.10       | 0.20                       | <0.010           | 0.14             | <1.4                  | 0.91       | 0.249          | 30         | 15,500                         | 11,200                            | >242,000                         | 16                           | <0.5                    |                |
| CB8803            | Mill                | 6/28/18     | 6.71             | 43.79     | <0.05        | 3.0                              | <0.02                    | 38         | 0.11        | 0.09                       | <0.010           | 0.14             | 1.5                   | 0.60       | 0.177          | 24         | 36,500                         | 19,900                            | >242,000                         | 20                           | <0.5                    |                |
| CB8494            | Mill                | 6/28/18     | 6.80             | 48.50     | <0.05        | 2.7                              | <0.02                    | 31         | 0.11        | 0.46                       | <0.010           | 0.23             | <1.4                  | 1.45       | 0.254          | 39         | 2,910                          | 1,350                             | >242,000                         | 25                           | <0.5                    |                |

Notes:  
 Turbidity and pH field tested by ATC  
 Concentrations in bold were reported above the laboratory reporting limits  
 mg/L: milligrams per liter  
 TKN = Nitrogen Tot Kjeldahl  
 < 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit  
 >24,200: Indicates sample was found above the laboratory detection limit

TABLE 2  
STORMWATER LABORATORY ANALYTICAL RESULTS

West River  
November 2018  
New Haven, Connecticut

| Location ID | Sample Date | Temp | Field Parameters |      |      |       |           |           |              | Laboratory Analytical Parameters  |                          |            |             |                            |                  |                  |                       |             |                |            |                                |                                   |                                  |                              |                         |                |
|-------------|-------------|------|------------------|------|------|-------|-----------|-----------|--------------|-----------------------------------|--------------------------|------------|-------------|----------------------------|------------------|------------------|-----------------------|-------------|----------------|------------|--------------------------------|-----------------------------------|----------------------------------|------------------------------|-------------------------|----------------|
|             |             |      | Conductivity     | pH   | DO   | ORP   | Turbidity | Color     | Boron (mg/L) | Hardness CaCO <sub>3</sub> (mg/L) | Chlorine Residual (mg/L) | COD (mg/L) | MBAS (mg/L) | Ammonia as Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L)  | Total P (mg/L) | TSS (mg/L) | Escherichia Coli (MPN/100 mls) | Enterococci Bacteria (MPN/100mbs) | Fecal Coliforms MPN (MPN/100mbs) | Total Coliforms (MPN/100mbs) | Conductivity (umhos/cm) | Salinity (ppt) |
| O11         | 11/13/18    | 10.2 | 195.8            | 6.37 | 9.91 | 294.5 | 8.49      | Tan       | <0.05        | <b>43.2</b>                       | <0.02                    | <b>19</b>  | <b>0.09</b> | <b>0.17</b>                | <0.010           | <b>0.49</b>      | <1.4                  | <b>0.48</b> | <b>0.076</b>   | <b>7.0</b> | <b>609</b>                     | <b>602</b>                        | <b>383</b>                       | <b>17,300</b>                | <b>186</b>              | <0.5           |
|             | 11/13/18    | 7.4  | 40.9             | 5.9  | 11.7 | 358.5 | 131.5     | Brown     | <0.05        | <b>17.5</b>                       | <b>0.03</b>              | <b>139</b> | <b>0.07</b> | <0.10                      | <0.010           | <0.02            | <1.4                  | <b>0.79</b> | <b>0.452</b>   | <b>17</b>  | <b>243</b>                     | <b>862</b>                        | <b>134</b>                       | >24,200                      | <b>37</b>               | <0.5           |
| CB157       | 11/13/18    | 8    | 82.3             | 5.28 | 7.67 | 337.1 | 57.24     | Tan/Brown | <0.05        | <b>14.2</b>                       | <0.02                    | <b>294</b> | <b>0.06</b> | <b>0.31</b>                | <0.010           | <0.02            | <1.4                  | <b>3.11</b> | <b>1.210</b>   | <b>39</b>  | <b>146</b>                     | <b>24,200</b>                     | <b>388</b>                       | >24,200                      | <b>84</b>               | <0.5           |
|             | 11/13/18    | 7.3  | 34.1             | 5.39 | 12.3 | 340.6 | 31.31     | Brown     | <0.05        | <b>13.2</b>                       | <0.02                    | <b>127</b> | <0.05       | <0.10                      | <0.010           | <0.02            | <1.4                  | <b>0.72</b> | <b>0.49</b>    | <b>66</b>  | <b>439</b>                     | <b>650</b>                        | <b>148</b>                       | >24,200                      | <b>34</b>               | <0.5           |
| CB172       | 11/13/18    | 8.3  | 55.8             | 5.18 | 12.1 | 347.8 | 17.86     | Tan       | <0.05        | <b>12.7</b>                       | <b>0.03</b>              | <b>199</b> | <b>0.09</b> | <b>0.21</b>                | <0.010           | <0.02            | <1.4                  | <b>1.99</b> | <b>1.910</b>   | <b>68</b>  | <b>161</b>                     | <b>&gt;24,200</b>                 | <b>231</b>                       | >24,200                      | <b>61</b>               | <0.5           |
|             | 11/13/18    | 7.3  | 12.1             | 5.58 | 13.6 | 323   | 9.18      | Clear     | <0.05        | <b>1.3</b>                        | <b>0.03</b>              | <10        | <0.05       | <0.05                      | <0.010           | <b>0.05</b>      | <1.4                  | <b>0.13</b> | <b>0.115</b>   | <b>25</b>  | <b>41</b>                      | <b>201</b>                        | <b>31</b>                        | <b>17,300</b>                | <b>11</b>               | <0.05          |
| CB689       | 11/13/18    | 7.9  | 138.6            | 5.8  | 9.09 | 368.6 | 55.66     | Yellow    | <0.05        | <b>42.9</b>                       | <0.02                    | <b>298</b> | <b>0.16</b> | <b>0.36</b>                | <b>0.012</b>     | <0.02            | <1.4                  | <b>3.12</b> | <b>0.890</b>   | <b>140</b> | <b>&gt;24,200</b>              | <b>&gt;24,200</b>                 | <b>&gt;24,200</b>                | <b>&gt;24,200</b>            | <b>139</b>              | <0.5           |
|             | 11/13/18    |      |                  |      |      |       |           |           |              |                                   |                          |            |             |                            |                  |                  |                       |             |                |            |                                |                                   |                                  |                              |                         |                |

Notes:

Concentrations in **bold** were reported above the laboratory reporting limits

mg/l: milligrams per liter

TKN = Nitrogen Tot Kjeldahl

< 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit

>24,200: Indicates sample was found above laboratory detection limits

TABLE 3  
STORMWATER LABORATORY ANALYTICAL RESULTS  
Individual Outfalls - November, December 2018, April 2019 December 2019  
New Haven, Connecticut

| Location ID | Sample Date | Temp | Field Parameters |      |       |       |           |               |              |                       |                          |            |             | Laboratory Analytical Parameters |                  |                  |                       |            |                |            |                               |                                  |                             |                             |                         |                |
|-------------|-------------|------|------------------|------|-------|-------|-----------|---------------|--------------|-----------------------|--------------------------|------------|-------------|----------------------------------|------------------|------------------|-----------------------|------------|----------------|------------|-------------------------------|----------------------------------|-----------------------------|-----------------------------|-------------------------|----------------|
|             |             |      | Conductivity     | pH   | DO    | ORP   | Turbidity | Color         | Boron (mg/L) | Hardness CaCl2 (mg/L) | Chloride Residual (mg/L) | COD (mg/L) | MBAS (mg/L) | Ammonia as Nitrogen (mg/L)       | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Bacteriella Coli (MPN/100 ml) | Enterococci Bacteria (MPN/100ml) | Fecal Coliforms (MPN/100ml) | Total Coliforms (MPN/100ml) | Conductivity (umhos/cm) | Salinity (ppt) |
| 07          | 11/13/18    | 16   | 544.3            | 6.57 | 6.22  | 222.2 | 30.99     | Brown-tan     | 0.05         | 101                   | <0.02                    | 152        | 0.86        | 5.14                             | 0.07             | 1.02             | 6.7                   | 13.6       | 1.340          | 82         | >24,200                       | >24,200                          | >24,200                     | >24,200                     | 505                     | <0.5           |
| 010         | 12/28/18    | 12.2 | 653.1            | 6.97 | 5.32  | 139.4 | 37.86     | Brown, cloudy | <0.05        | 102                   | <0.02                    | 167        | 0.25        | 3.64                             | 0.077            | 2.20             | 6.0                   | 14.4       | 1.760          | 73         | >24,200                       | >24,200                          | >24,200                     | >24,200                     | 678                     | <0.5           |
| 012         | 11/13/18    | 9.8  | 107              | 6.41 | 11.07 | 333.1 | 14.12     | Tan           | <0.05        | 26.3                  | <0.02                    | 23         | <0.05       | <0.05                            | <0.010           | 0.18             | <1.4                  | 0.26       | 0.229          | 6.0        | 5.480                         | 5.170                            | 1.860                       | >24,200                     | 106                     | <0.5           |
| 013         | 12/28/18    | 11.5 | 631.7            | 6.96 | 6.14  | 144.6 | 25.64     | Brown, cloudy | <0.05        | 117                   | <0.02                    | 420        | 0.35        | 4.60                             | 0.132            | 1.56             | 11                    | 15.8       | 2.020          | 120        | >24,200                       | >24,200                          | >24,200                     | >24,200                     | 276                     | <0.5           |
| 014         | 11/13/18    | 9.5  | 121.3            | 6.33 | 11.08 | 350.5 | 16.82     | Clear tan     | <0.05        | 41.4                  | <0.02                    | 42         | 0.07        | <0.05                            | <0.010           | 0.48             | <1.4                  | 0.44       | 0.278          | 19         | 3.450                         | 2.280                            | 588                         | >24,200                     | 118                     | <0.5           |
| 041         | 12/28/18    | 8.2  | 274.1            | 7.13 | 9.45  | 198.7 | 29.78     | Tan           | <0.05        | 52.8                  | <0.02                    | 97         | 0.75        | 3.42                             | 0.032            | 0.86             | 5.6                   | 10.6       | 1.330          | 51         | >24,200                       | >24,200                          | >24,200                     | >24,200                     | 276                     | <0.5           |
| 046         | 12/21/18    | 9.5  | 20.7             | 8.67 | 11.94 | 197.5 | 21.42     | Clear         | <0.05        | 4.9                   | <0.02                    | 20         | <0.05       | 0.06                             | <0.010           | 0.04             | <1.4                  | 0.38       | 0.130          | 36         | 637                           | 2.280                            | 197                         | 9,800                       | 14                      | <0.5           |
| 047         | 12/21/18    | 8.4  | 43.3             | 9.09 | 9.86  | 117.6 | 34.57     | Clear         | <0.05        | 8.8                   | <0.02                    | 37         | 0.11        | 0.10                             | <0.010           | 0.05             | 2.7                   | 0.67       | 0.161          | 57         | 3,870                         | 5,170                            | 10,100                      | 15                          | <0.5                    |                |
| 057         | 12/28/18    | 17.6 | 519.1            | 7.76 | 3.6   | 168.5 | 63.38     | Brown-gray    | 0.07         | 124                   | <0.02                    | 407        | 2.15        | 13.10                            | 0.082            | 0.76             | 100                   | 31.4       | 4.09           | 120        | >24,200                       | >24,200                          | >24,200                     | >24,200                     | 488                     | <0.5           |
| 058         | 12/28/18    | 11.9 | 493.4            | 7.25 | 12.72 | 197.8 | 42.98     | Brown-green   | 0.06         | 98.6                  | <0.02                    | 205        | 2.23        | 11.50                            | 0.191            | 1.32             | 21                    | 24.5       | 2.960          | 91         | >24,200                       | >24,200                          | >24,200                     | >24,200                     | 515                     | <0.5           |
| 066         | 11/13/18    | 8.8  | 26.2             | 6.06 | 12.06 | 339.3 | 16.3      | Clear         | <0.05        | 6.0                   | 0.02                     | 38         | <0.05       | 0.15                             | <0.010           | 0.08             | <1.4                  | 0.41       | 0.182          | 12         | 3,080                         | 2,190                            | 1,480                       | >24,200                     | 24                      | <0.5           |
| 068         | 12/28/18    | 5.3  | 118.4            | 8.12 | 12.72 | 159.1 | 34.26     | Brown         | <0.05        | 6.5                   | <0.02                    | 27         | 0.12        | 0.40                             | 0.020            | 0.23             | 2.1                   | 0.70       | 0.069          | 49         | 30                            | 249                              | 20                          | 13,000                      | 120                     | <0.5           |
| 081         | 6/18/19     | 21.4 | 36               | 7.45 | 7.11  | 177.8 | 22.9      | Clear         | <0.05        | 11.4                  | <0.02                    | 16         | <0.05       | 0.13                             | <0.010           | 0.13             | <1.4                  | 0.63       | 0.072          | 8          | 2,060                         | 9,210                            | 934                         | >24,200                     | 42                      | <0.5           |
| 087         | 12/28/18    | 13.4 | 524.4            | 7.5  | 3.33  | 168.1 | 42.64     | Brown, cloudy | 0.08         | 115                   | <0.02                    | 190        | 6.29        | 10.8                             | 0.215            | 2.05             | 18                    | 22.1       | 2.18           | 110        | >24,200                       | 6,910                            | >24,200                     | >24,200                     | 528                     | <0.5           |
| 088         | 12/28/18    | 7.5  | 61.5             | 7.72 | 9.98  | 165.6 | 19.87     | Brown, cloudy | <0.05        | 7.3                   | <0.02                    | 27         | 0.14        | 0.22                             | 0.016            | 0.21             | 1.8                   | 0.60       | 0.105          | 12         | 591                           | 471                              | 637                         | >24,200                     | 51                      | <0.5           |
| 089         | 12/21/18    | 10.7 | 42.8             | 7.95 | 11.13 | 251.0 | 34.45     | Clear         | <0.05        | 11.6                  | <0.02                    | 35         | 0.11        | 0.14                             | <0.010           | 0.08             | 6.3                   | 0.64       | 0.133          | 30         | 7,700                         | 5,480                            | 2,610                       | >24,200                     | 39                      | <0.5           |
| 0121        | 12/21/18    | 10.6 | 51.3             | 7.63 | 11.22 | 282.4 | 14.01     | Slightly tan  | <0.05        | 12.4                  | <0.02                    | 16         | 0.08        | 0.10                             | <0.010           | 0.33             | 6.5                   | 0.39       | 0.113          | 7.0        | 708                           | 1,620                            | 288                         | 17,300                      | 49                      | <0.5           |
| 0124X       | 4/26/19     | 13.7 | 410.1            | 7.16 | 4.00  | 410.1 | 67.5      | Brown         | 0.05         | 23.9                  | <0.02                    | 99         | 0.44        | 0.92                             | 0.033            | 0.19             | 3.5                   | 2.4        | 0.196          | 38         | 216                           | 134                              | 395                         | 19,900                      | 432                     | <0.5           |
| 0125        | 4/26/19     | 11.7 | 465.9            | 6.81 | 6.32  | -22.5 | 7.22      | Clear         | 0.41         | 788                   | <0.02                    | 65         | <0.05       | 0.17                             | <0.010           | 0.54             | 6.6                   | 0.59       | 0.067          | 37         | 10                            | 61                               | 10                          | 934                         | 4250                    | 3.1            |
| 0127        | 4/26/19     | 13.3 | 263.9            | 7.96 | 8.74  | -72.2 | 4.44      | Light brown   | <0.05        | 69.8                  | <0.02                    | 20         | 0.09        | 0.18                             | 0.015            | 1.31             | <1.4                  | 1.12       | 0.114          | <5.0       | 703                           | 1170                             | 24,200                      | >24,200                     | 254                     | <0.5           |
| 0128        | 12/9/19     | 10.8 | 392.8            | 8.38 | 8.07  | 343   | 564.2     | Greyish       | <0.05        | 12.9                  | <0.02                    | 72         | 0.19        | 0.34                             | 0.050            | 0.13             | 4.8                   | 1.12       | 0.174          | 62         | 384                           | 836                              | 350                         | >24,200                     | 336                     | <0.5           |
| 0132        | 12/21/18    | 12.1 | 245.3            | 7.26 | 9.02  | 271.9 | 11.21     | Clear         | <0.05        | 8                     | <0.02                    | 14         | 0.07        | 0.23                             | <0.010           | 0.21             | 1.5                   | 0.64       | 0.061          | <5.0       | 12,000                        | 2,190                            | 1,260                       | 19,900                      | 300                     | <0.5           |
| 0133        | 6/18/19     | 22.1 | 553              | 8.74 | 6.88  | 121.7 | 309.8     | Opaque        | 0.07         | 65.6                  | <0.02                    | 123        | 0.07        | <0.25                            | 0.059            | 0.26             | 7.5                   | 0.87       | 0.376          | 550        | 211                           | 657                              | 546                         | >24,200                     | 525                     | <0.5           |
| 0134        | 6/18/19     | 22   | 61               | 8.17 | 6.51  | 144.5 | 267.5     | Opaque        | <0.05        | 29.6                  | <0.02                    | 154        | 0.21        | <0.25                            | 0.021            | 0.26             | 12                    | 2.1        | 0.35           | 100        | 3,260                         | 8,660                            | 3,650                       | >24,200                     | 60                      | <0.5           |
| 0138        | 12/21/18    | 10.3 | 49.6             | 7.65 | 10.39 | 293.1 | 13.45     | Tan           | <0.05        | 11.8                  | 0.03                     | 31         | <0.05       | 0.14                             | <0.010           | 0.12             | 7.4                   | 1.07       | 0.135          | 16         | 171                           | 554                              | 158                         | >24,200                     | 48                      | <0.5           |

Notes:  
 Jld were reported above the laboratory reporting limits  
 mg/l: milligrams per liter  
 TKN = Nitrogen Tot Kjeldahl  
 Not Detected at or above the specified laboratory reporting limit  
 : sample was found above laboratory detection limits  
 indicate outfalls that have not yet been sampled

TABLE 5  
STORMWATER LABORATORY ANALYTICAL RESULTS

Mill River - Outfall 126  
December 2019  
New Haven, Connecticut

| Location ID | Sample Date | Temp | Conductivity | pH   | Field Parameters |       |           |               |              |                         |                          | Laboratory Analytical Parameters |             |                            |                  |                  |                       |            |                |            |                               |                                  |                             |                             |                         |                |
|-------------|-------------|------|--------------|------|------------------|-------|-----------|---------------|--------------|-------------------------|--------------------------|----------------------------------|-------------|----------------------------|------------------|------------------|-----------------------|------------|----------------|------------|-------------------------------|----------------------------------|-----------------------------|-----------------------------|-------------------------|----------------|
|             |             |      |              |      | DO               | ORP   | Turbidity | Color         | Boron (mg/L) | Hardness (CaCO3 (mg/L)) | Chlorine Residual (mg/L) | COD (mg/L)                       | MBAS (mg/L) | Ammonia as Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | Escherichia Coli (MPN/100 ml) | Enterococci Bacteria (MPN/100ml) | Fecal Coliforms (MPN/100ml) | Total Coliforms (MPN/100ml) | Conductivity (umhos/cm) | Salinity (ppt) |
| O126        | 12/9/19     | 9.9  | 162.3        | 7.49 | 8.98             | 334.4 | 287.1     | Greyish/Brown | <0.05        | 15.4                    | <0.02                    | 293                              | 0.20        | 0.51                       | 0.024            | 0.04             | 7.5                   | 3.95       | 0.812          | 110        | 2,600                         | >24,200                          | 1,080                       | >24,200                     | 205                     | <0.5           |
|             | 12/9/19     | 9.8  | 295.5        | 7.46 | 9.25             | 347.5 | 11.67     | Greyish/Brown | <0.05        | 12.0                    | <0.02                    | 118                              | 0.15        | <0.10                      | 0.010            | 0.05             | 2.0                   | 0.91       | 0.149          | 90         | 459                           | 2,610                            | 109                         | >24,200                     | 297                     | <0.5           |
| CBI3001     | 12/9/19     | 11.6 | 329.8        | 7.37 | 8.30             | 328   | 28.6      | Greyish       | <0.05        | 4.5                     | <0.02                    | 36                               | 0.12        | <0.05                      | 0.013            | 0.06             | <1.4                  | 0.46       | 0.124          | 28         | 10                            | 633                              | 10                          | 12,000                      | 38                      | <0.5           |
|             | 12/9/19     | 9.9  | 103.6        | 7.98 | 9.42             | 313.2 | 8.65      | Greyish       | <0.05        | 2.7                     | <0.02                    | 19                               | 0.12        | <0.05                      | <0.010           | 0.07             | <1.4                  | 0.51       | 0.075          | 13         | 31                            | 448                              | 74                          | 17,300                      | 64                      | <0.5           |
| CBI3033     | 12/9/19     | 9.8  | 1,029        | 7.11 | 9.06             | 356.8 | 125.1     | Greyish/Brown | <0.05        | 22.4                    | <0.02                    | 125                              | 0.14        | 0.32                       | 0.053            | 0.15             | 3.6                   | 1.70       | 0.386          | 70         | 1,040                         | 3,450                            | 583                         | >24,200                     | 3,460                   | 0.5            |
|             | 12/9/19     | 9.8  | 199.6        | 7.57 | 9.42             | 343.3 | 28.7      | Greyish       | <0.05        | 16.2                    | <0.02                    | 223                              | 0.12        | <0.25                      | 0.013            | 0.03             | <1.4                  | 3.08       | 1.14           | 25         | 958                           | 3,870                            | 529                         | >24,200                     | 199                     | <0.5           |
| CBI3073     | 12/9/19     | 11.2 | 474.4        | 6.96 | 7.82             | 354.8 | 118.7     | Greyish/Brown | <0.05        | 44.8                    | <0.02                    | 220                              | 0.13        | 0.42                       | 0.071            | 0.13             | 8.4                   | 2.20       | 0.553          | 220        | 134                           | 1,400                            | 187                         | 24,200                      | 471                     | <0.5           |
|             | 12/9/19     | 9.9  | 175.1        | 7.16 | 9.44             | 338.6 | 55.2      | Greyish       | <0.05        | 12.6                    | <0.02                    | 42                               | 0.11        | 0.16                       | <0.010           | 0.06             | <1.4                  | 1.01       | 0.182          | 29         | 145                           | 3,450                            | 199                         | >24,200                     | 174                     | <0.5           |
| CB8609      | 12/9/19     | 10.0 | 189.7        | 7.24 | 9.12             | 377.8 | 78.7      | Greyish       | <0.05        | 12.9                    | <0.02                    | 70                               | 0.16        | 0.31                       | 0.030            | 0.10             | 2.1                   | 1.10       | 0.257          | 39         | 2,050                         | 9,800                            | 465                         | >24,200                     | 214                     | <0.5           |
|             | 12/9/19     | 11.0 | 427.3        | 6.97 | 5.72             | 355.2 | 287.1     | Greyish/Brown | <0.05        | 55.1                    | <0.02                    | 405                              | 0.27        | <0.25                      | 0.025            | 0.04             | 8.2                   | 5.83       | 1.39           | 240        | 987                           | 9,800                            | 520                         | >24,200                     | 293                     | <0.5           |
| O129        | 12/9/19     | 9.0  | 339.6        | 7.70 | 8.39             | 339.5 | 183       | Greyish       | 0.10         | 118                     | <0.02                    | 161                              | 0.41        | 0.44                       | 0.066            | 0.13             | 10                    | 1.94       | 0.265          | 100        | 327                           | 857                              | 189                         | >24,200                     | 928                     | 0.5            |
|             | 12/9/19     | 9.9  | 91.3         | 8.10 | 9.22             | 315.4 | 53.1      | Greyish       | <0.05        | 11.1                    | <0.02                    | 690                              | 0.27        | 0.58                       | 0.011            | 0.06             | 5.7                   | 7.28       | 1.10           | 160        | 31                            | 557                              | 20                          | >24,200                     | 84                      | <0.5           |
| CBI13157    | 12/9/19     | 9.9  | 220.8        | 7.11 | 8.86             | 940.9 | 90.3      | Greyish       | <0.05        | 60.0                    | <0.02                    | 378                              | 0.32        | 0.60                       | 0.031            | 0.10             | 13                    | 4.42       | 4.70           | 250        | 134                           | 1,350                            | 52                          | >24,200                     | 226                     | <0.5           |
|             | 12/9/19     | 9.9  | 314.7        | 8.29 | 8.68             | 329.5 | 110       | Greyish       | <0.05        | 26.6                    | <0.02                    | 152                              | 0.25        | 0.61                       | 0.046            | 0.11             | 6.2                   | 2.27       | 0.390          | 92         | 51                            | 1,210                            | 10                          | 14,100                      | 314                     | <0.5           |

Notes:  
Concentrations in bold were reported above the laboratory reporting limits  
mg/L: milligrams per liter  
TKN = Nitrogen Tot Kjeldahl  
< 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit  
>24,200: Indicates sample was found above laboratory detection limits

**TABLE 6  
STORMWATER LABORATORY ANALYTICAL RESULTS**

Laboratory Duplicate Bacteria Samples  
New Haven, Connecticut

| Location ID | Sample Date | Phoenix Environmental Labs     |                                   |                                  |                              | Environmental Consulting Laboratories |                                   |                                  |                              |
|-------------|-------------|--------------------------------|-----------------------------------|----------------------------------|------------------------------|---------------------------------------|-----------------------------------|----------------------------------|------------------------------|
|             |             | Escherichia Coli (MPN/100 mls) | Enterococci Bacteria (MPN/100mls) | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) | Escherichia Coli (MPN/100 mls)        | Enterococci Bacteria (MPN/100mls) | Fecal Coliforms MPN (MPN/100mls) | Total Coliforms (MPN/100mls) |
| O11         | 11/13/18    | 609                            | 602                               | 383                              | 17,300                       | 200                                   | 310                               | 300                              | 17,250                       |
| CB157       | 11/13/18    | 243                            | 862                               | 134                              | >24,200                      | 200                                   | 630                               | <100                             | 173,290                      |
| CB166A      | 11/13/18    | 146                            | 24,200                            | 388                              | >24,200                      | <100                                  | 12,220                            | 100                              | >241,960                     |
| CB172       | 11/13/18    | 439                            | 650                               | 148                              | >24,200                      | 1,030                                 | 850                               | 100                              | 241,960                      |
| CB214       | 11/13/18    | 161                            | >24,200                           | 231                              | >24,200                      | 410                                   | 28,120                            | 630                              | >241,960                     |
| CB689       | 11/13/18    | 41                             | 201                               | 31                               | 17,300                       | 200                                   | <100                              | <100                             | 25,950                       |
| CB771       | 11/13/18    | >24,200                        | >24,200                           | >24,200                          | >24,200                      | >241,960                              | 92,080                            | 173,290                          | >241,960                     |
| O7          | 11/13/18    | >24,200                        | >24,200                           | >24,200                          | >24,200                      | 241,960                               | >241,960                          | 48,840                           | >241,960                     |
| O10         | 12/28/18    | >24,200                        | >24,200                           | >24,200                          | >24,200                      | >241,960                              | >241,960                          | >241,960                         | >241,960                     |
| O12         | 11/13/18    | 5,480                          | 5,170                             | 1,860                            | >24,200                      | 5,040                                 | 6,770                             | 1,560                            | 198,630                      |
| O13         | 12/28/18    | >24,200                        | >24,200                           | >24,200                          | >24,200                      | >241,960                              | 61,310                            | 155,310                          | >241,960                     |
| O14         | 11/13/18    | 3,450                          | 2,280                             | 588                              | >24,200                      | 6,310                                 | 1,870                             | 630                              | 86,640                       |
| O41         | 12/28/18    | >24,200                        | >24,200                           | >24,200                          | >24,200                      | >241,960                              | 92,080                            | >241,960                         | >241,960                     |
| O46         | 12/21/18    | 637                            | 2,280                             | 197                              | 9,800                        | 410                                   | 1,990                             | 200                              | 8,420                        |
| O47         | 12/21/18    | 9,140                          | 3,870                             | 5,170                            | 10,100                       | 3,360                                 | 1,580                             | 1,610                            | 13,540                       |
| O57         | 12/28/18    | >24,200                        | >24,200                           | >24,200                          | >24,200                      | >241,960                              | >241,960                          | >241,960                         | >241,960                     |
| O58         | 12/28/18    | >24,200                        | >24,200                           | >24,200                          | >24,200                      | >241,960                              | 81,640                            | >241,960                         | >241,960                     |
| O66         | 11/13/18    | 3,080                          | 2,190                             | 1,480                            | >24,200                      | 2,350                                 | 1,350                             | 1,610                            | 61,310                       |
| O68         | 12/28/18    | 30                             | 249                               | 20                               | 13,000                       | 100                                   | 8,600                             | 100                              | 5,810                        |
| O87         | 12/28/18    | >24,200                        | 6,910                             | >24,200                          | >24,200                      | >241,960                              | >241,960                          | >241,960                         | >241,960                     |
| O88         | 12/28/18    | 591                            | 471                               | 637                              | >24,200                      | 520                                   | 1,100                             | 200                              | 30,760                       |
| O89         | 12/21/18    | 7,700                          | 5,480                             | 2,610                            | >24,200                      | 9,590                                 | 5,540                             | 2,980                            | 46,110                       |
| O121        | 12/21/18    | 708                            | 1,620                             | 288                              | 17,300                       | 520                                   | 1,580                             | 310                              | 11,450                       |
| O132        | 12/21/18    | 12,000                         | 2,190                             | 1,260                            | 19,900                       | 7,940                                 | 630                               | 1,100                            | 18,600                       |
| O138        | 12/21/18    | 171                            | 554                               | 158                              | >24,200                      | 100                                   | 1,630                             | 100                              | 77,010                       |
| CB13001     | 12/9/19     | 459                            | 2,610                             | 109                              | >24,200                      | 630                                   | 4,540                             | 100                              | 41,060                       |
| CB13015     | 12/9/19     | 10                             | 633                               | 10                               | 12,000                       | <100                                  | 630                               | <100                             | 11,780                       |
| CB13033     | 12/9/19     | 31                             | 448                               | 74                               | 17,300                       | <100                                  | 1,340                             | <100                             | 11,460                       |
| CB13073     | 12/9/19     | 1,040                          | 3,450                             | 583                              | >24,200                      | 740                                   | 5,460                             | 310                              | 111,990                      |
| CB13089     | 12/9/19     | 958                            | 3,870                             | 529                              | >24,200                      | 850                                   | 10,030                            | 300                              | 104,620                      |
| CB8609      | 12/9/19     | 134                            | 1,400                             | 187                              | 24,200                       | 200                                   | 950                               | 310                              | 14,140                       |
| CB9129      | 12/9/19     | 145                            | 3,450                             | 199                              | >24,200                      | 100                                   | 6,310                             | 520                              | 51,720                       |
| CB13175     | 12/9/19     | 2,050                          | 9,800                             | 465                              | >24,200                      | 1,890                                 | 15,760                            | 410                              | 98,040                       |
| CB9436      | 12/9/19     | 987                            | 9,800                             | 520                              | >24,200                      | 1,600                                 | 9,340                             | 1,090                            | >241,960                     |
| O126        | 12/9/19     | 2,600                          | >24,200                           | 1,080                            | >24,200                      | 2,750                                 | 111,990                           | 2,130                            | >241,960                     |
| CB13157     | 12/9/19     | 31                             | 557                               | 20                               | >24,200                      | <100                                  | 740                               | <100                             | 72,700                       |
| CB13205     | 12/9/19     | 51                             | 1,210                             | 10                               | 14,100                       | 100                                   | 1,580                             | <100                             | 11,120                       |
| O129        | 12/9/19     | 327                            | 857                               | 189                              | >24,200                      | 100                                   | 1,090                             | 300                              | 18,600                       |
| O128        | 12/9/19     | 384                            | 857                               | 189                              | >24,200                      | 410                                   | 1,450                             | 520                              | 21,870                       |
| CB9473      | 12/9/19     | 134                            | 1,350                             | 52                               | >24,200                      | 310                                   | 2,720                             | 100                              | 24,000                       |

< 0.5: indicates compound was Not Detected at or above the specified laboratory reporting limit  
 >24,200: Indicates sample was found above laboratory detection limits  
 Blank cells indicate outfalls that have not yet been sampled

TABLE 3  
 STORMWATER LABORATORY ANALYTICAL RESULTS  
 Individual Outfalls - November, December 2018, April 2019 December 2019  
 New Haven, Connecticut

| Location ID | Sample Date | Temp | Field Parameters |      |       |       |           |               |              |                       |                          |            | Laboratory Analytical Parameters |                           |                  |                  |                       |            |                |            |                          |                                  |                             |                             |                         |                |
|-------------|-------------|------|------------------|------|-------|-------|-----------|---------------|--------------|-----------------------|--------------------------|------------|----------------------------------|---------------------------|------------------|------------------|-----------------------|------------|----------------|------------|--------------------------|----------------------------------|-----------------------------|-----------------------------|-------------------------|----------------|
|             |             |      | Conductivity     | pH   | DO    | ORP   | Turbidity | Color         | Boron (mg/L) | Hardness CaCO3 (mg/L) | Chloride Residual (mg/L) | COD (mg/L) | MBAS (mg/L)                      | Amonia as Nitrogen (mg/L) | Nitrite-N (mg/L) | Nitrate-N (mg/L) | Oil and Grease (mg/L) | TKN (mg/L) | Total P (mg/L) | TSS (mg/L) | E. Coliform (MPN/100 ml) | Enterococci Bacteria (MPN/100ml) | Fecal Coliforms (MPN/100ml) | Total Coliforms (MPN/100ml) | Conductivity (umhos/cm) | Salinity (ppt) |
| 07          | 11/3/18     | 16   | 544.3            | 6.57 | 6.22  | 222.2 | 30.99     | Brown-tan     | 0.05         | 101                   | <0.02                    | 152        | 0.86                             | 5.14                      | 0.07             | 1.02             | 6.7                   | 13.6       | 1.340          | 82         | >24,200                  | >24,200                          | >24,200                     | >24,200                     | 505                     | <0.5           |
| 010         | 12/28/18    | 12.2 | 653.1            | 6.97 | 5.32  | 139.4 | 37.86     | Brown, cloudy | <0.05        | 102                   | <0.02                    | 167        | 0.25                             | 3.64                      | 0.077            | 2.20             | 6.0                   | 14.4       | 1.760          | 73         | >24,200                  | >24,200                          | >24,200                     | >24,200                     | 678                     | <0.5           |
| 012         | 11/3/18     | 9.8  | 107              | 6.41 | 11.07 | 333.1 | 14.12     | Tan           | <0.05        | 26.3                  | <0.02                    | 23         | <0.05                            | <0.05                     | <0.010           | 0.18             | <1.4                  | 0.26       | 0.229          | 6.0        | 5,480                    | 5,170                            | 1,860                       | >24,200                     | 106                     | <0.5           |
| 013         | 12/28/18    | 11.5 | 631.7            | 6.96 | 6.14  | 144.6 | 25.64     | Brown, cloudy | <0.05        | 117                   | <0.02                    | 420        | 0.35                             | 4.60                      | 0.132            | 1.56             | 11                    | 15.8       | 2.020          | 120        | >24,200                  | >24,200                          | >24,200                     | >24,200                     | 276                     | <0.5           |
| 014         | 11/3/18     | 9.5  | 121.3            | 6.33 | 11.08 | 350.5 | 16.82     | Clear tan     | <0.05        | 41.4                  | <0.02                    | 42         | 0.07                             | <0.05                     | <0.010           | 0.48             | <1.4                  | 0.44       | 0.278          | 19         | 3,450                    | 2,280                            | 588                         | >24,200                     | 118                     | <0.5           |
| 041         | 12/28/18    | 8.2  | 274.1            | 7.13 | 9.45  | 198.7 | 29.78     | Tan           | <0.05        | 52.8                  | <0.02                    | 97         | 0.75                             | 3.42                      | 0.032            | 0.86             | 5.6                   | 10.6       | 1.330          | 51         | >24,200                  | >24,200                          | >24,200                     | >24,200                     | 276                     | <0.5           |
| 046         | 12/21/18    | 9.5  | 20.7             | 8.67 | 11.94 | 197.5 | 21.42     | Clear         | <0.05        | 4.9                   | <0.02                    | 20         | <0.05                            | 0.06                      | <0.010           | 0.04             | <1.4                  | 0.38       | 0.130          | 36         | 637                      | 2,280                            | 197                         | 9,800                       | 14                      | <0.5           |
| 047         | 12/21/18    | 8.4  | 43.3             | 9.09 | 9.86  | 117.6 | 34.57     | Clear         | <0.05        | 8.8                   | <0.02                    | 37         | 0.11                             | 0.10                      | <0.010           | 0.05             | 2.7                   | 0.67       | 0.161          | 57         | 9,140                    | 3,670                            | 5,170                       | 10,100                      | 15                      | <0.5           |
| 057         | 12/28/18    | 17.6 | 519.1            | 7.76 | 3.6   | 168.5 | 63.38     | Brown-gray    | 0.07         | 124                   | <0.02                    | 407        | 2.15                             | 13.10                     | 0.082            | 0.76             | 100                   | 31.4       | 4.09           | 120        | >24,200                  | >24,200                          | >24,200                     | >24,200                     | 488                     | <0.5           |
| 058         | 12/28/18    | 11.9 | 493.4            | 7.25 | 12.72 | 197.8 | 42.98     | Brown-green   | 0.06         | 98.6                  | <0.02                    | 205        | 2.23                             | 11.50                     | 0.191            | 1.32             | 21                    | 24.5       | 2.960          | 91         | >24,200                  | >24,200                          | >24,200                     | >24,200                     | 515                     | <0.5           |
| 066         | 11/3/18     | 8.8  | 26.2             | 6.06 | 12.06 | 339.3 | 16.3      | Clear         | <0.05        | 6.0                   | 0.02                     | 38         | <0.05                            | 0.15                      | <0.010           | 0.08             | <1.4                  | 0.41       | 0.182          | 12         | 3,080                    | 2,190                            | 1,480                       | >24,200                     | 24                      | <0.5           |
| 068         | 12/28/18    | 5.3  | 118.4            | 8.12 | 12.72 | 159.1 | 34.26     | Brown         | <0.05        | 6.5                   | <0.02                    | 27         | 0.12                             | 0.40                      | 0.020            | 0.23             | 2.1                   | 0.70       | 0.069          | 49         | 30                       | 249                              | 20                          | 13,000                      | 120                     | <0.5           |
| 081         | 6/18/19     | 21.4 | 36               | 7.45 | 7.11  | 177.8 | 22.9      | Clear         | <0.05        | 11.4                  | <0.02                    | 16         | <0.05                            | 0.13                      | <0.010           | 0.13             | <1.4                  | 0.63       | 0.072          | 8          | 2,660                    | 9,210                            | 934                         | >24,200                     | 42                      | <0.5           |
| 087         | 12/28/18    | 13.4 | 524.4            | 7.5  | 3.33  | 168.1 | 42.64     | Brown, cloudy | 0.08         | 115                   | <0.02                    | 190        | 6.29                             | 10.8                      | 0.215            | 2.05             | 18                    | 22.1       | 2.18           | 110        | >24,200                  | 6,910                            | >24,200                     | >24,200                     | 528                     | <0.5           |
| 088         | 12/28/18    | 7.5  | 61.5             | 7.72 | 9.98  | 165.6 | 19.87     | Brown, cloudy | <0.05        | 7.3                   | <0.02                    | 27         | 0.14                             | 0.22                      | 0.016            | 0.21             | 1.8                   | 0.60       | 0.105          | 12         | 591                      | 471                              | 637                         | >24,200                     | 51                      | <0.5           |
| 089         | 12/21/18    | 10.7 | 42.8             | 7.95 | 11.13 | 251.0 | 34.45     | Clear         | <0.05        | 11.6                  | <0.02                    | 35         | 0.11                             | 0.14                      | <0.010           | 0.08             | 6.3                   | 0.64       | 0.133          | 30         | 7,700                    | 5,480                            | 2,610                       | >24,200                     | 39                      | <0.5           |
| 0121        | 12/21/18    | 10.6 | 51.3             | 7.63 | 11.22 | 282.4 | 14.01     | Slightly tan  | <0.05        | 12.4                  | <0.02                    | 16         | 0.08                             | 0.10                      | <0.010           | 0.33             | 6.5                   | 0.39       | 0.113          | 7.0        | 708                      | 1,620                            | 288                         | 17,300                      | 49                      | <0.5           |
| 0124X       | 4/26/19     | 13.7 | 410.1            | 7.16 | 4.00  | 410.1 | 67.5      | Brown         | 0.05         | 23.9                  | <0.02                    | 99         | 0.44                             | 0.92                      | 0.033            | 0.19             | 3.5                   | 2.4        | 0.196          | 38         | 216                      | 134                              | 395                         | 19,900                      | 432                     | <0.5           |
| 0125        | 4/26/19     | 11.7 | 465.9            | 6.81 | 6.32  | -22.5 | 7.22      | Clear         | 0.41         | 788                   | <0.02                    | 65         | <0.05                            | 0.17                      | <0.010           | 0.54             | 6.6                   | 0.59       | 0.067          | 37         | 10                       | 61                               | 10                          | 934                         | 4250                    | 3.1            |
| 0127        | 4/26/19     | 13.3 | 263.9            | 7.96 | 8.74  | -72.2 | 4.44      | Light brown   | <0.05        | 69.8                  | <0.02                    | 20         | 0.09                             | 0.18                      | 0.015            | 1.31             | <1.4                  | 1.12       | 0.114          | <5.0       | 703                      | 1170                             | 24,200                      | >24,200                     | 254                     | <0.5           |
| 0128        | 12/9/19     | 10.8 | 392.8            | 8.38 | 8.07  | 343   | 564.2     | Greyish       | <0.05        | 12.9                  | <0.02                    | 72         | 0.19                             | 0.34                      | 0.050            | 0.13             | 4.8                   | 1.12       | 0.174          | 62         | 384                      | 836                              | 350                         | >24,200                     | 336                     | <0.5           |
| 0132        | 12/21/18    | 12.1 | 245.3            | 7.26 | 9.02  | 271.9 | 11.21     | Clear         | <0.05        | 8                     | <0.02                    | 14         | 0.07                             | 0.23                      | <0.010           | 0.21             | 1.5                   | 0.64       | 0.061          | <5.0       | 12,000                   | 2,190                            | 1,260                       | 19,900                      | 300                     | <0.5           |
| 0133        | 6/18/19     | 22.1 | 553              | 8.74 | 6.88  | 121.7 | 309.8     | Opaque        | 0.07         | 65.6                  | <0.02                    | 123        | 0.07                             | <0.25                     | 0.059            | 0.26             | 7.5                   | 0.87       | 0.376          | 550        | 211                      | 657                              | 546                         | >24,200                     | 525                     | <0.5           |
| 0134        | 6/18/19     | 22   | 61               | 8.17 | 6.51  | 144.5 | 267.5     | Opaque        | <0.05        | 29.6                  | <0.02                    | 154        | 0.21                             | <0.25                     | 0.021            | 0.26             | 12                    | 2.1        | 0.35           | 100        | 3,260                    | 8,660                            | 3,650                       | >24,200                     | 60                      | <0.5           |
| 0138        | 12/21/18    | 10.3 | 49.6             | 7.65 | 10.39 | 293.1 | 13.45     | Tan           | <0.05        | 11.8                  | 0.03                     | 31         | <0.05                            | 0.14                      | <0.010           | 0.12             | 7.4                   | 1.07       | 0.135          | 16         | 171                      | 554                              | 158                         | >24,200                     | 48                      | <0.5           |

Notes:  
 All were reported above the laboratory reporting limits  
 mg/L: milligrams per liter  
 TKN = Nitrogen Tot Kjeldahl  
 - Not Detected at or above the specified laboratory reporting limit  
 - sample was found above laboratory detection limits  
 indicate outfalls that have not yet been sampled