

## CERTIFICATE OF ANALYSIS

**Work Order** : **EW1904788**  
**Client** : **WINGECARRIBEE SHIRE COUNCIL**  
**Contact** : MR CHRIS MURPHY  
**Address** : PO BOX 141  
 MOSSVALE NSW  
 AUSTRALIA  
**Telephone** : ----  
**Project** : RCC ANNUAL  
**Order number** : ----  
**C-O-C number** : ----  
**Sampler** : Robert DaLio  
**Site** : ----  
**Quote number** : WO/067/12  
**No. of samples received** : 7  
**No. of samples analysed** : 7

**Page** : 1 of 16  
**Laboratory** : Environmental Division NSW South Coast  
**Contact** : Tyler Cachia  
**Address** : 1/19 Ralph Black Dr, North Wollongong 2500  
 4/13 Geary Pl, North Nowra 2541  
 Australia NSW Australia  
**Telephone** : +61 2 8784 8555  
**Date Samples Received** : 07-Nov-2019 15:30  
**Date Analysis Commenced** : 07-Nov-2019  
**Issue Date** : 15-Nov-2019 16:18



Accreditation No. 825  
 Accredited for compliance with  
 ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

**Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.**

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

| <i>Signatories</i> | <i>Position</i>                       | <i>Accreditation Category</i>      |
|--------------------|---------------------------------------|------------------------------------|
| Ankit Joshi        | Inorganic Chemist                     | Sydney Inorganics, Smithfield, NSW |
| Edwandy Fadjjar    | Organic Coordinator                   | Sydney Organics, Smithfield, NSW   |
| Glenn Davies       | Environmental Services Representative | Laboratory - Wollongong, NSW       |
| Ivan Taylor        | Analyst                               | Sydney Inorganics, Smithfield, NSW |



## General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.  
LOR = Limit of reporting  
^ = This result is computed from individual analyte detections at or above the level of reporting  
ø = ALS is not NATA accredited for these tests.  
~ = Indicates an estimated value.

- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a,h)anthracene (1.0), Benzo(g,h,i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero.
- EG050G: Poor spike recovery for Hexavalent Chromium due to matrix interferences(confirmed by re-analysis).
- EN055: Ionic Balance out of acceptable limits for sample EW1904788-#002 due to analytes not quantified in this report.
- Sampling and sample data supplied by ALS Wollongong.
- Sampling completed as per EN/67.11 Groundwater Sampling.
- Field tests completed on day of sampling/receipt.
- Sampling Completed as per EN/67.4 Lakes and Reservoirs
- EP075: 'Sum of PAH' is the sum of the USEPA 16 priority PAHs
- Sodium Adsorption Ratio (where reported): Where results for Na, Ca or Mg are <LOR, a concentration at half the reported LOR is incorporated into the SAR calculation. This represents a conservative approach for Na relative to the assumption that <LOR = zero concentration and a conservative approach for Ca & Mg relative to the assumption that <LOR is equivalent to the LOR concentration.



## Analytical Results

| Sub-Matrix: WATER<br>(Matrix: WATER)                     |             |        |         | Client sample ID  | Point 1 - MW1B<br>(FRONT GATE) | Point 2 - MW06<br>(CAR PARK) | Point 3 - MW7<br>(SOUTH OF POND) | Point 4 - LT1<br>(LEACHATE) | Point 5 - SW01<br>(UPSTREAM<br>STORMWATER) |
|--|-------------|--------|---------|-------------------|--------------------------------|------------------------------|----------------------------------|-----------------------------|--|
| Client sampling date / time                              |             |        |         | 07-Nov-2019 13:40 | 07-Nov-2019 12:25              | 07-Nov-2019 13:20            | 07-Nov-2019 12:55                | 07-Nov-2019 12:15           |  |
| Compound   | CAS Number  | LOR    | Unit    | EW1904788-001     | EW1904788-002                  | EW1904788-003                | EW1904788-004                    | EW1904788-005               |  |
|  |             |        |         | Result            | Result                         | Result                       | Result                           | Result                      |  |
| <b>EA005FD: Field pH</b>                                 |             |        |         |                   |                                |                              |                                  |                             |  |
| pH   | ----        | 0.1    | pH Unit | 6.5               | 4.8                            | 5.8                          | 7.8                              | ----                        |  |
| <b>EA010FD: Field Conductivity</b>                       |             |        |         |                   |                                |                              |                                  |                             |  |
| Electrical Conductivity (Non Compensated)                | ----        | 1      | µS/cm   | 7140              | 355                            | 2900                         | 2760                             | ----                        |  |
| <b>EA015: Total Dissolved Solids dried at 180 ± 5 °C</b> |             |        |         |                   |                                |                              |                                  |                             |  |
| Total Dissolved Solids @180°C                            | ----        | 10     | mg/L    | 4980              | 265                            | 1400                         | 1730                             | ----                        |  |
| <b>EA025: Total Suspended Solids dried at 104 ± 2°C</b>  |             |        |         |                   |                                |                              |                                  |                             |  |
| Suspended Solids (SS)                                    | ----        | 5      | mg/L    | ----              | ----                           | ----                         | <5                               | ----                        |  |
| <b>ED037P: Alkalinity by PC Titrator</b>                 |             |        |         |                   |                                |                              |                                  |                             |  |
| Hydroxide Alkalinity as CaCO3                            | DMO-210-001 | 1      | mg/L    | <1                | <1                             | <1                           | <1                               | ----                        |  |
| Carbonate Alkalinity as CaCO3                            | 3812-32-6   | 1      | mg/L    | <1                | <1                             | <1                           | <1                               | ----                        |  |
| Bicarbonate Alkalinity as CaCO3                          | 71-52-3     | 1      | mg/L    | 338               | 20                             | 36                           | 431                              | ----                        |  |
| Total Alkalinity as CaCO3                                | ----        | 1      | mg/L    | 338               | 20                             | 36                           | 431                              | ----                        |  |
| <b>ED041G: Sulfate (Turbidimetric) as SO4 2- by DA</b>   |             |        |         |                   |                                |                              |                                  |                             |  |
| Sulfate as SO4 - Turbidimetric                           | 14808-79-8  | 1      | mg/L    | 85                | 14                             | <1                           | 405                              | ----                        |  |
| <b>ED045G: Chloride by Discrete Analyser</b>             |             |        |         |                   |                                |                              |                                  |                             |  |
| Chloride   | 16887-00-6  | 1      | mg/L    | 1920              | 67                             | 804                          | 388                              | ----                        |  |
| <b>ED093F: Dissolved Major Cations</b>                   |             |        |         |                   |                                |                              |                                  |                             |  |
| Calcium  | 7440-70-2   | 1      | mg/L    | 328               | <1                             | 25                           | 179                              | ----                        |  |
| Magnesium  | 7439-95-4   | 1      | mg/L    | 231               | 3                              | 44                           | 117                              | ----                        |  |
| Sodium   | 7440-23-5   | 1      | mg/L    | 765               | 62                             | 395                          | 164                              | ----                        |  |
| Potassium  | 7440-09-7   | 1      | mg/L    | 16                | <1                             | 2                            | 56                               | ----                        |  |
| <b>EG020F: Dissolved Metals by ICP-MS</b>                |             |        |         |                   |                                |                              |                                  |                             |  |
| Aluminium  | 7429-90-5   | 0.01   | mg/L    | <0.01             | 0.18                           | 0.59                         | <0.01                            | ----                        |  |
| Arsenic  | 7440-38-2   | 0.001  | mg/L    | <0.001            | <0.001                         | <0.001                       | <0.001                           | ----                        |  |
| Barium   | 7440-39-3   | 0.001  | mg/L    | 0.228             | 0.251                          | 1.27                         | 0.162                            | ----                        |  |
| Cadmium  | 7440-43-9   | 0.0001 | mg/L    | 0.0009            | <0.0001                        | 0.0003                       | <0.0001                          | ----                        |  |
| Cobalt   | 7440-48-4   | 0.001  | mg/L    | 0.033             | 0.004                          | 0.135                        | <0.001                           | ----                        |  |
| Chromium   | 7440-47-3   | 0.001  | mg/L    | <0.001            | <0.001                         | <0.001                       | <0.001                           | ----                        |  |
| Copper   | 7440-50-8   | 0.001  | mg/L    | <0.001            | <0.001                         | 0.004                        | 0.019                            | ----                        |  |
| Manganese  | 7439-96-5   | 0.001  | mg/L    | 2.21              | 0.015                          | 1.11                         | 0.028                            | ----                        |  |
| Lead   | 7439-92-1   | 0.001  | mg/L    | <0.001            | <0.001                         | 0.002                        | <0.001                           | ----                        |  |
| Zinc   | 7440-66-6   | 0.005  | mg/L    | 0.070             | 0.611                          | 0.286                        | 0.051                            | ----                        |  |



## Analytical Results

| Sub-Matrix: WATER<br>(Matrix: WATER)                                |            |        |       | Client sample ID  | Point 1 - MW1B<br>(FRONT GATE) | Point 2 - MW06<br>(CAR PARK) | Point 3 - MW7<br>(SOUTH OF POND) | Point 4 - LT1<br>(LEACHATE) | Point 5 - SW01<br>(UPSTREAM<br>STORMWATER) |
|---|------------|--------|-------|-------------------|--------------------------------|------------------------------|----------------------------------|-----------------------------|--|
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| Compound  | CAS Number | LOR    | Unit  | EW1904788-001     | EW1904788-002                  | EW1904788-003                | EW1904788-004                    | EW1904788-005               |  |
|   |            |        |       | Result            | Result                         | Result                       | Result                           | Result                      |  |
| <b>EG020F: Dissolved Metals by ICP-MS - Continued</b>               |            |        |       |                   |                                |                              |                                  |                             |  |
| <b>EG035F: Dissolved Mercury by FIMS</b>                            |            |        |       |                   |                                |                              |                                  |                             |  |
| Mercury   | 7439-97-6  | 0.0001 | mg/L  | <0.0001           | <0.0001                        | <0.0001                      | <0.0001                          | ----                        |  |
| <b>EG050F: Dissolved Hexavalent Chromium</b>                        |            |        |       |                   |                                |                              |                                  |                             |  |
| Hexavalent Chromium   | 18540-29-9 | 0.01   | mg/L  | <0.01             | <0.01                          | <0.01                        | <0.01                            | ----                        |  |
| <b>EK040P: Fluoride by PC Titrator</b>                              |            |        |       |                   |                                |                              |                                  |                             |  |
| Fluoride  | 16984-48-8 | 0.1    | mg/L  | 0.3               | <0.1                           | 0.4                          | 0.2                              | ----                        |  |
| <b>EK055G: Ammonia as N by Discrete Analyser</b>                    |            |        |       |                   |                                |                              |                                  |                             |  |
| Ammonia as N  | 7664-41-7  | 0.01   | mg/L  | 0.03              | 0.08                           | 0.02                         | 0.06                             | ----                        |  |
| <b>EK057G: Nitrite as N by Discrete Analyser</b>                    |            |        |       |                   |                                |                              |                                  |                             |  |
| Nitrite as N  | 14797-65-0 | 0.01   | mg/L  | 0.01              | <0.01                          | <0.01                        | <0.01                            | ----                        |  |
| <b>EK058G: Nitrate as N by Discrete Analyser</b>                    |            |        |       |                   |                                |                              |                                  |                             |  |
| Nitrate as N  | 14797-55-8 | 0.01   | mg/L  | 106               | <0.01                          | 2.18                         | 10.5                             | ----                        |  |
| <b>EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser</b> |            |        |       |                   |                                |                              |                                  |                             |  |
| Nitrite + Nitrate as N  | ----       | 0.01   | mg/L  | 106               | <0.01                          | 2.18                         | 10.5                             | ----                        |  |
| <b>EK067G: Total Phosphorus as P by Discrete Analyser</b>           |            |        |       |                   |                                |                              |                                  |                             |  |
| Total Phosphorus as P   | ----       | 0.01   | mg/L  | ----              | ----                           | ----                         | <0.01                            | ----                        |  |
| <b>EN055: Ionic Balance</b>   |            |        |       |                   |                                |                              |                                  |                             |  |
| ∅ Total Anions  | ----       | 0.01   | meq/L | 62.7              | 2.58                           | 23.4                         | 28.0                             | ----                        |  |
| ∅ Total Cations   | ----       | 0.01   | meq/L | 69.1              | 2.94                           | 22.1                         | 27.1                             | ----                        |  |
| ∅ Ionic Balance   | ----       | 0.01   | %     | 4.84              | ----                           | 2.85                         | 1.56                             | ----                        |  |
| <b>EN67 PK: Field Tests</b>   |            |        |       |                   |                                |                              |                                  |                             |  |
| Field Observations  | ----       | 0.01   | --    | ----              | ----                           | ----                         | ----                             | dry site                    |  |
| <b>EP005: Total Organic Carbon (TOC)</b>                            |            |        |       |                   |                                |                              |                                  |                             |  |
| Total Organic Carbon  | ----       | 1      | mg/L  | 13                | 10                             | 4                            | 33                               | ----                        |  |
| <b>EP030: Biochemical Oxygen Demand (BOD)</b>                       |            |        |       |                   |                                |                              |                                  |                             |  |
| Biochemical Oxygen Demand   | ----       | 2      | mg/L  | ----              | ----                           | ----                         | 5                                | ----                        |  |
| <b>EP068A: Organochlorine Pesticides (OC)</b>                       |            |        |       |                   |                                |                              |                                  |                             |  |
| alpha-BHC   | 319-84-6   | 0.5    | µg/L  | <0.5              | <0.5                           | <0.5                         | <0.5                             | ----                        |  |
| Hexachlorobenzene (HCB)   | 118-74-1   | 0.5    | µg/L  | <0.5              | <0.5                           | <0.5                         | <0.5                             | ----                        |  |
| beta-BHC  | 319-85-7   | 0.5    | µg/L  | <0.5              | <0.5                           | <0.5                         | <0.5                             | ----                        |  |
| gamma-BHC   | 58-89-9    | 0.5    | µg/L  | <0.5              | <0.5                           | <0.5                         | <0.5                             | ----                        |  |
| delta-BHC   | 319-86-8   | 0.5    | µg/L  | <0.5              | <0.5                           | <0.5                         | <0.5                             | ----                        |  |



## Analytical Results

Sub-Matrix: WATER  
 (Matrix: WATER)

Client sample ID

|   |                          |     |      | Point 1 - MW1B<br>(FRONT GATE) | Point 2 - MW06<br>(CAR PARK) | Point 3 - MW7<br>(SOUTH OF POND) | Point 4 - LT1<br>(LEACHATE) | Point 5 - SW01<br>(UPSTREAM<br>STORMWATER) |
|---|--------------------------|-----|------|--------------------------------|------------------------------|----------------------------------|-----------------------------|--|
| Client sampling date / time                               |                          |     |      | 07-Nov-2019 13:40              | 07-Nov-2019 12:25            | 07-Nov-2019 13:20                | 07-Nov-2019 12:55           | 07-Nov-2019 12:15                          |
| Compound  | CAS Number               | LOR | Unit | EW1904788-001                  | EW1904788-002                | EW1904788-003                    | EW1904788-004               | EW1904788-005                              |
|   |                          |     |      | Result                         | Result                       | Result                           | Result                      | Result                                     |
| <b>EP068A: Organochlorine Pesticides (OC) - Continued</b> |                          |     |      |                                |                              |                                  |                             |  |
| Heptachlor  | 76-44-8                  | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Aldrin  | 309-00-2                 | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Heptachlor epoxide  | 1024-57-3                | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| trans-Chlordane   | 5103-74-2                | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| alpha-Endosulfan  | 959-98-8                 | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| cis-Chlordane   | 5103-71-9                | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Dieldrin  | 60-57-1                  | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| 4.4'-DDE  | 72-55-9                  | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Endrin  | 72-20-8                  | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| beta-Endosulfan   | 33213-65-9               | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| 4.4'-DDD  | 72-54-8                  | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Endrin aldehyde   | 7421-93-4                | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Endosulfan sulfate  | 1031-07-8                | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| 4.4'-DDT  | 50-29-3                  | 2.0 | µg/L | <2.0                           | <2.0                         | <2.0                             | <2.0                        | ----                                       |
| Endrin ketone   | 53494-70-5               | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Methoxychlor  | 72-43-5                  | 2.0 | µg/L | <2.0                           | <2.0                         | <2.0                             | <2.0                        | ----                                       |
| ^ Total Chlordane (sum)                                   | ----                     | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| ^ Sum of DDD + DDE + DDT                                  | 72-54-8/72-55-9/5<br>0-2 | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| ^ Sum of Aldrin + Dieldrin                                | 309-00-2/60-57-1         | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| <b>EP068B: Organophosphorus Pesticides (OP)</b>           |                          |     |      |                                |                              |                                  |                             |  |
| Dichlorvos  | 62-73-7                  | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Demeton-S-methyl  | 919-86-8                 | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Monocrotophos   | 6923-22-4                | 2.0 | µg/L | <2.0                           | <2.0                         | <2.0                             | <2.0                        | ----                                       |
| Dimethoate  | 60-51-5                  | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Diazinon  | 333-41-5                 | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Chlorpyrifos-methyl                                       | 5598-13-0                | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Parathion-methyl  | 298-00-0                 | 2.0 | µg/L | <2.0                           | <2.0                         | <2.0                             | <2.0                        | ----                                       |
| Malathion   | 121-75-5                 | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Fenthion  | 55-38-9                  | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Chlorpyrifos  | 2921-88-2                | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Parathion   | 56-38-2                  | 2.0 | µg/L | <2.0                           | <2.0                         | <2.0                             | <2.0                        | ----                                       |
| Pirimphos-ethyl   | 23505-41-1               | 0.5 | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |



## Analytical Results

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 (Matrix: WATER)

Client sample ID

|   |            |          |      | Point 1 - MW1B<br>(FRONT GATE) | Point 2 - MW06<br>(CAR PARK) | Point 3 - MW7<br>(SOUTH OF POND) | Point 4 - LT1<br>(LEACHATE) | Point 5 - SW01<br>(UPSTREAM<br>STORMWATER) |
|---|------------|----------|------|--------------------------------|------------------------------|----------------------------------|-----------------------------|--|
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| Compound  | CAS Number | LOR      | Unit | EW1904788-001                  | EW1904788-002                | EW1904788-003                    | EW1904788-004               | EW1904788-005                              |
|   |            |          |      | Result                         | Result                       | Result                           | Result                      | Result                                     |
| <b>EP068B: Organophosphorus Pesticides (OP) - Continued</b> |            |          |      |                                |                              |                                  |                             |  |
| Chlorfenvinphos   | 470-90-6   | 0.5      | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Bromophos-ethyl   | 4824-78-6  | 0.5      | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Fenamiphos  | 22224-92-6 | 0.5      | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Prothiofos  | 34643-46-4 | 0.5      | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Ethion  | 563-12-2   | 0.5      | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Carbophenothion   | 786-19-6   | 0.5      | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| Azinphos Methyl   | 86-50-0    | 0.5      | µg/L | <0.5                           | <0.5                         | <0.5                             | <0.5                        | ----                                       |
| <b>EP074A: Monocyclic Aromatic Hydrocarbons</b>             |            |          |      |                                |                              |                                  |                             |  |
| Benzene   | 71-43-2    | 1        | µg/L | <1                             | <1                           | <1                               | ----                        | ----                                       |
| Toluene   | 108-88-3   | 2        | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Ethylbenzene  | 100-41-4   | 2        | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| meta- & para-Xylene   | 108-38-3   | 106-42-3 | 2    | µg/L                           | <2                           | <2                               | ----                        | ----                                       |
| Styrene   | 100-42-5   | 5        | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| ortho-Xylene  | 95-47-6    | 2        | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Isopropylbenzene  | 98-82-8    | 5        | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| n-Propylbenzene   | 103-65-1   | 5        | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| 1,3,5-Trimethylbenzene                                      | 108-67-8   | 5        | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| sec-Butylbenzene  | 135-98-8   | 5        | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| 1,2,4-Trimethylbenzene                                      | 95-63-6    | 5        | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| tert-Butylbenzene   | 98-06-6    | 5        | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| p-Isopropyltoluene  | 99-87-6    | 5        | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| n-Butylbenzene  | 104-51-8   | 5        | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| <b>EP074B: Oxygenated Compounds</b>                         |            |          |      |                                |                              |                                  |                             |  |
| Vinyl Acetate   | 108-05-4   | 50       | µg/L | <50                            | <50                          | <50                              | ----                        | ----                                       |
| 2-Butanone (MEK)  | 78-93-3    | 50       | µg/L | <50                            | <50                          | <50                              | ----                        | ----                                       |
| 4-Methyl-2-pentanone (MIBK)                                 | 108-10-1   | 50       | µg/L | <50                            | <50                          | <50                              | ----                        | ----                                       |
| 2-Hexanone (MBK)  | 591-78-6   | 50       | µg/L | <50                            | <50                          | <50                              | ----                        | ----                                       |
| <b>EP074C: Sulfonated Compounds</b>                         |            |          |      |                                |                              |                                  |                             |  |
| Carbon disulfide  | 75-15-0    | 5        | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| <b>EP074D: Fumigants</b>                                    |            |          |      |                                |                              |                                  |                             |  |
| 2,2-Dichloropropane   | 594-20-7   | 5        | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| 1,2-Dichloropropane   | 78-87-5    | 5        | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| cis-1,3-Dichloropropylene                                   | 10061-01-5 | 5        | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |



## Analytical Results

Sub-Matrix: WATER  
 (Matrix: WATER)

Client sample ID

|  |            |     |      | Point 1 - MW1B<br>(FRONT GATE) | Point 2 - MW06<br>(CAR PARK) | Point 3 - MW7<br>(SOUTH OF POND) | Point 4 - LT1<br>(LEACHATE) | Point 5 - SW01<br>(UPSTREAM<br>STORMWATER) |
|--|------------|-----|------|--------------------------------|------------------------------|----------------------------------|-----------------------------|--|
| Client sampling date / time                    |            |     |      | 07-Nov-2019 13:40              | 07-Nov-2019 12:25            | 07-Nov-2019 13:20                | 07-Nov-2019 12:55           | 07-Nov-2019 12:15                          |
| Compound                                       | CAS Number | LOR | Unit | EW1904788-001                  | EW1904788-002                | EW1904788-003                    | EW1904788-004               | EW1904788-005                              |
|  |            |     |      | Result                         | Result                       | Result                           | Result                      | Result                                     |
| <b>EP074D: Fumigants - Continued</b>           |            |     |      |                                |                              |                                  |                             |  |
| trans-1.3-Dichloropropylene                    | 10061-02-6 | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| 1.2-Dibromoethane (EDB)                        | 106-93-4   | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| <b>EP074E: Halogenated Aliphatic Compounds</b> |            |     |      |                                |                              |                                  |                             |  |
| Dichlorodifluoromethane                        | 75-71-8    | 50  | µg/L | <50                            | <50                          | <50                              | ----                        | ----                                       |
| Chloromethane                                  | 74-87-3    | 50  | µg/L | <50                            | <50                          | <50                              | ----                        | ----                                       |
| Vinyl chloride                                 | 75-01-4    | 50  | µg/L | <50                            | <50                          | <50                              | ----                        | ----                                       |
| Bromomethane                                   | 74-83-9    | 50  | µg/L | <50                            | <50                          | <50                              | ----                        | ----                                       |
| Chloroethane                                   | 75-00-3    | 50  | µg/L | <50                            | <50                          | <50                              | ----                        | ----                                       |
| Trichlorofluoromethane                         | 75-69-4    | 50  | µg/L | <50                            | <50                          | <50                              | ----                        | ----                                       |
| 1.1-Dichloroethene                             | 75-35-4    | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| Iodomethane                                    | 74-88-4    | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| trans-1.2-Dichloroethene                       | 156-60-5   | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| 1.1-Dichloroethane                             | 75-34-3    | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| cis-1.2-Dichloroethene                         | 156-59-2   | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| 1.1.1-Trichloroethane                          | 71-55-6    | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| 1.1-Dichloropropylene                          | 563-58-6   | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| Carbon Tetrachloride                           | 56-23-5    | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| 1.2-Dichloroethane                             | 107-06-2   | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| Trichloroethene                                | 79-01-6    | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| Dibromomethane                                 | 74-95-3    | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| 1.1.2-Trichloroethane                          | 79-00-5    | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| 1.3-Dichloropropane                            | 142-28-9   | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| Tetrachloroethene                              | 127-18-4   | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| 1.1.1.2-Tetrachloroethane                      | 630-20-6   | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| trans-1.4-Dichloro-2-butene                    | 110-57-6   | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| cis-1.4-Dichloro-2-butene                      | 1476-11-5  | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| 1.1.2.2-Tetrachloroethane                      | 79-34-5    | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| 1.2.3-Trichloropropane                         | 96-18-4    | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| Pentachloroethane                              | 76-01-7    | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| 1.2-Dibromo-3-chloropropane                    | 96-12-8    | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| <b>EP074F: Halogenated Aromatic Compounds</b>  |            |     |      |                                |                              |                                  |                             |  |
| Chlorobenzene                                  | 108-90-7   | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |
| Bromobenzene                                   | 108-86-1   | 5   | µg/L | <5                             | <5                           | <5                               | ----                        | ----                                       |





## Analytical Results

| Sub-Matrix: WATER<br>(Matrix: WATER)                      |                   |     |      | Client sample ID  | Point 1 - MW1B<br>(FRONT GATE) | Point 2 - MW06<br>(CAR PARK) | Point 3 - MW7<br>(SOUTH OF POND) | Point 4 - LT1<br>(LEACHATE) | Point 5 - SW01<br>(UPSTREAM<br>STORMWATER) |
|---|-------------------|-----|------|-------------------|--------------------------------|------------------------------|----------------------------------|-----------------------------|--|
| Client sampling date / time                               |                   |     |      | 07-Nov-2019 13:40 | 07-Nov-2019 12:25              | 07-Nov-2019 13:20            | 07-Nov-2019 12:55                | 07-Nov-2019 12:15           |  |
| Compound  | CAS Number        | LOR | Unit | EW1904788-001     | EW1904788-002                  | EW1904788-003                | EW1904788-004                    | EW1904788-005               |  |
|   |                   |     |      | Result            | Result                         | Result                       | Result                           | Result                      |  |
| <b>EP074F: Halogenated Aromatic Compounds - Continued</b> |                   |     |      |                   |                                |                              |                                  |                             |  |
| 2-Chlorotoluene   | 95-49-8           | 5   | µg/L | <5                | <5                             | <5                           | ----                             | ----                        |  |
| 4-Chlorotoluene   | 106-43-4          | 5   | µg/L | <5                | <5                             | <5                           | ----                             | ----                        |  |
| 1,2,3-Trichlorobenzene                                    | 87-61-6           | 5   | µg/L | <5                | <5                             | <5                           | ----                             | ----                        |  |
| <b>EP074G: Trihalomethanes</b>                            |                   |     |      |                   |                                |                              |                                  |                             |  |
| Chloroform  | 67-66-3           | 5   | µg/L | <5                | <5                             | <5                           | ----                             | ----                        |  |
| Bromodichloromethane                                      | 75-27-4           | 5   | µg/L | <5                | <5                             | <5                           | ----                             | ----                        |  |
| Dibromochloromethane                                      | 124-48-1          | 5   | µg/L | <5                | <5                             | <5                           | ----                             | ----                        |  |
| Bromoform   | 75-25-2           | 5   | µg/L | <5                | <5                             | <5                           | ----                             | ----                        |  |
| <b>EP075(SIM)B: Polynuclear Aromatic Hydrocarbons</b>     |                   |     |      |                   |                                |                              |                                  |                             |  |
| Naphthalene   | 91-20-3           | 1.0 | µg/L | <1.0              | <1.0                           | <1.0                         | <1.0                             | ----                        |  |
| Acenaphthylene  | 208-96-8          | 1.0 | µg/L | <1.0              | <1.0                           | <1.0                         | <1.0                             | ----                        |  |
| Acenaphthene  | 83-32-9           | 1.0 | µg/L | <1.0              | <1.0                           | <1.0                         | <1.0                             | ----                        |  |
| Fluorene  | 86-73-7           | 1.0 | µg/L | <1.0              | <1.0                           | <1.0                         | <1.0                             | ----                        |  |
| Phenanthrene  | 85-01-8           | 1.0 | µg/L | <1.0              | <1.0                           | <1.0                         | <1.0                             | ----                        |  |
| Anthracene  | 120-12-7          | 1.0 | µg/L | <1.0              | <1.0                           | <1.0                         | <1.0                             | ----                        |  |
| Fluoranthene  | 206-44-0          | 1.0 | µg/L | <1.0              | <1.0                           | <1.0                         | <1.0                             | ----                        |  |
| Pyrene  | 129-00-0          | 1.0 | µg/L | <1.0              | <1.0                           | <1.0                         | <1.0                             | ----                        |  |
| Benz(a)anthracene   | 56-55-3           | 1.0 | µg/L | <1.0              | <1.0                           | <1.0                         | <1.0                             | ----                        |  |
| Chrysene  | 218-01-9          | 1.0 | µg/L | <1.0              | <1.0                           | <1.0                         | <1.0                             | ----                        |  |
| Benzo(b+j)fluoranthene                                    | 205-99-2 205-82-3 | 1.0 | µg/L | <1.0              | <1.0                           | <1.0                         | <1.0                             | ----                        |  |
| Benzo(k)fluoranthene                                      | 207-08-9          | 1.0 | µg/L | <1.0              | <1.0                           | <1.0                         | <1.0                             | ----                        |  |
| Benzo(a)pyrene  | 50-32-8           | 0.5 | µg/L | <0.5              | <0.5                           | <0.5                         | <0.5                             | ----                        |  |
| Indeno(1,2,3.cd)pyrene                                    | 193-39-5          | 1.0 | µg/L | <1.0              | <1.0                           | <1.0                         | <1.0                             | ----                        |  |
| Dibenz(a,h)anthracene                                     | 53-70-3           | 1.0 | µg/L | <1.0              | <1.0                           | <1.0                         | <1.0                             | ----                        |  |
| Benzo(g,h,i)perylene                                      | 191-24-2          | 1.0 | µg/L | <1.0              | <1.0                           | <1.0                         | <1.0                             | ----                        |  |
| ^ Sum of polycyclic aromatic hydrocarbons                 | ----              | 0.5 | µg/L | <0.5              | <0.5                           | <0.5                         | <0.5                             | ----                        |  |
| ^ Benzo(a)pyrene TEQ (zero)                               | ----              | 0.5 | µg/L | <0.5              | <0.5                           | <0.5                         | <0.5                             | ----                        |  |
| <b>EP075A: Phenolic Compounds</b>                         |                   |     |      |                   |                                |                              |                                  |                             |  |
| Phenol  | 108-95-2          | 2   | µg/L | <2                | <2                             | <2                           | ----                             | ----                        |  |
| 2-Chlorophenol  | 95-57-8           | 2   | µg/L | <2                | <2                             | <2                           | ----                             | ----                        |  |
| 2-Methylphenol  | 95-48-7           | 2   | µg/L | <2                | <2                             | <2                           | ----                             | ----                        |  |
| 3- & 4-Methylphenol                                       | 1319-77-3         | 4   | µg/L | <4                | <4                             | <4                           | ----                             | ----                        |  |
| 2-Nitrophenol   | 88-75-5           | 2   | µg/L | <2                | <2                             | <2                           | ----                             | ----                        |  |





## Analytical Results

Sub-Matrix: WATER  
 (Matrix: WATER)

Client sample ID

|  |                   |     |      | Point 1 - MW1B<br>(FRONT GATE) | Point 2 - MW06<br>(CAR PARK) | Point 3 - MW7<br>(SOUTH OF POND) | Point 4 - LT1<br>(LEACHATE) | Point 5 - SW01<br>(UPSTREAM<br>STORMWATER) |
|--|-------------------|-----|------|--------------------------------|------------------------------|----------------------------------|-----------------------------|--|
| Client sampling date / time                      |                   |     |      | 07-Nov-2019 13:40              | 07-Nov-2019 12:25            | 07-Nov-2019 13:20                | 07-Nov-2019 12:55           | 07-Nov-2019 12:15                          |
| Compound   | CAS Number        | LOR | Unit | EW1904788-001                  | EW1904788-002                | EW1904788-003                    | EW1904788-004               | EW1904788-005                              |
|  |                   |     |      | Result                         | Result                       | Result                           | Result                      | Result                                     |
| <b>EP075A: Phenolic Compounds - Continued</b>    |                   |     |      |                                |                              |                                  |                             |  |
| 2,4-Dimethylphenol                               | 105-67-9          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 2,4-Dichlorophenol                               | 120-83-2          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 2,6-Dichlorophenol                               | 87-65-0           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 4-Chloro-3-methylphenol                          | 59-50-7           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 2,4,6-Trichlorophenol                            | 88-06-2           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 2,4,5-Trichlorophenol                            | 95-95-4           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Pentachlorophenol                                | 87-86-5           | 4   | µg/L | <4                             | <4                           | <4                               | ----                        | ----                                       |
| <b>EP075B: Polynuclear Aromatic Hydrocarbons</b> |                   |     |      |                                |                              |                                  |                             |  |
| Naphthalene                                      | 91-20-3           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 2-Methylnaphthalene                              | 91-57-6           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 2-Chloronaphthalene                              | 91-58-7           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Acenaphthylene                                   | 208-96-8          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Acenaphthene                                     | 83-32-9           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Fluorene   | 86-73-7           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Phenanthrene                                     | 85-01-8           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Anthracene                                       | 120-12-7          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Fluoranthene                                     | 206-44-0          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Pyrene   | 129-00-0          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| N-2-Fluorenyl Acetamide                          | 53-96-3           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Benzo(a)anthracene                               | 56-55-3           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Chrysene   | 218-01-9          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Benzo(b+j) &<br>Benzo(k)fluoranthene             | 205-99-2 207-08-9 | 4   | µg/L | <4                             | <4                           | <4                               | ----                        | ----                                       |
| 7,12-Dimethylbenz(a)anthracene                   | 57-97-6           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Benzo(a)pyrene                                   | 50-32-8           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 3-Methylcholanthrene                             | 56-49-5           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Indeno(1,2,3.cd)pyrene                           | 193-39-5          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Dibenz(a,h)anthracene                            | 53-70-3           | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Benzo(g,h,i)perylene                             | 191-24-2          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| ^ Sum of PAHs                                    | ----              | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| ^ Benzo(a)pyrene TEQ (zero)                      | ----              | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| <b>EP075C: Phthalate Esters</b>                  |                   |     |      |                                |                              |                                  |                             |  |
| Dimethyl phthalate                               | 131-11-3          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |



## Analytical Results

Sub-Matrix: WATER  
 (Matrix: WATER)

Client sample ID

|   |                  |     |      | Point 1 - MW1B<br>(FRONT GATE) | Point 2 - MW06<br>(CAR PARK) | Point 3 - MW7<br>(SOUTH OF POND) | Point 4 - LT1<br>(LEACHATE) | Point 5 - SW01<br>(UPSTREAM<br>STORMWATER) |
|---|------------------|-----|------|--------------------------------|------------------------------|----------------------------------|-----------------------------|--|
| Client sampling date / time                 |                  |     |      | 07-Nov-2019 13:40              | 07-Nov-2019 12:25            | 07-Nov-2019 13:20                | 07-Nov-2019 12:55           | 07-Nov-2019 12:15                          |
| Compound                                    | CAS Number       | LOR | Unit | EW1904788-001                  | EW1904788-002                | EW1904788-003                    | EW1904788-004               | EW1904788-005                              |
|   |                  |     |      | Result                         | Result                       | Result                           | Result                      | Result                                     |
| <b>EP075C: Phthalate Esters - Continued</b> |                  |     |      |                                |                              |                                  |                             |  |
| Diethyl phthalate                           | 84-66-2          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Di-n-butyl phthalate                        | 84-74-2          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Butyl benzyl phthalate                      | 85-68-7          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| bis(2-ethylhexyl) phthalate                 | 117-81-7         | 10  | µg/L | 23                             | <10                          | <10                              | ----                        | ----                                       |
| Di-n-octylphthalate                         | 117-84-0         | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| <b>EP075D: Nitrosamines</b>                 |                  |     |      |                                |                              |                                  |                             |  |
| N-Nitrosomethylethylamine                   | 10595-95-6       | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| N-Nitrosodiethylamine                       | 55-18-5          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| N-Nitrosopyrrolidine                        | 930-55-2         | 4   | µg/L | <4                             | <4                           | <4                               | ----                        | ----                                       |
| N-Nitrosomorpholine                         | 59-89-2          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| N-Nitrosodi-n-propylamine                   | 621-64-7         | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| N-Nitrosopiperidine                         | 100-75-4         | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| N-Nitrosodibutylamine                       | 924-16-3         | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| N-Nitrosodiphenyl &<br>Diphenylamine        | 86-30-6 122-39-4 | 4   | µg/L | <4                             | <4                           | <4                               | ----                        | ----                                       |
| Methapyrilene                               | 91-80-5          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| <b>EP075E: Nitroaromatics and Ketones</b>   |                  |     |      |                                |                              |                                  |                             |  |
| 2-Picoline                                  | 109-06-8         | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Acetophenone                                | 98-86-2          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Nitrobenzene                                | 98-95-3          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Isophorone                                  | 78-59-1          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 2,6-Dinitrotoluene                          | 606-20-2         | 4   | µg/L | <4                             | <4                           | <4                               | ----                        | ----                                       |
| 2,4-Dinitrotoluene                          | 121-14-2         | 4   | µg/L | <4                             | <4                           | <4                               | ----                        | ----                                       |
| 1-Naphthylamine                             | 134-32-7         | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 4-Nitroquinoline-N-oxide                    | 56-57-5          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 5-Nitro-o-toluidine                         | 99-55-8          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Azobenzene                                  | 103-33-3         | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 1,3,5-Trinitrobenzene                       | 99-35-4          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Phenacetin                                  | 62-44-2          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 4-Aminobiphenyl                             | 92-67-1          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Pentachloronitrobenzene                     | 82-68-8          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Pronamide                                   | 23950-58-5       | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Dimethylaminoazobenzene                     | 60-11-7          | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |



## Analytical Results

Sub-Matrix: WATER  
 (Matrix: WATER)

Client sample ID

|   |            |     |      | Point 1 - MW1B<br>(FRONT GATE) | Point 2 - MW06<br>(CAR PARK) | Point 3 - MW7<br>(SOUTH OF POND) | Point 4 - LT1<br>(LEACHATE) | Point 5 - SW01<br>(UPSTREAM<br>STORMWATER) |
|---|------------|-----|------|--------------------------------|------------------------------|----------------------------------|-----------------------------|--|
| Client sampling date / time                           |            |     |      | 07-Nov-2019 13:40              | 07-Nov-2019 12:25            | 07-Nov-2019 13:20                | 07-Nov-2019 12:55           | 07-Nov-2019 12:15                          |
| Compound  | CAS Number | LOR | Unit | EW1904788-001                  | EW1904788-002                | EW1904788-003                    | EW1904788-004               | EW1904788-005                              |
|   |            |     |      | Result                         | Result                       | Result                           | Result                      | Result                                     |
| <b>EP075E: Nitroaromatics and Ketones - Continued</b> |            |     |      |                                |                              |                                  |                             |  |
| Chlorobenzilate                                       | 510-15-6   | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| <b>EP075F: Haloethers</b>                             |            |     |      |                                |                              |                                  |                             |  |
| Bis(2-chloroethyl) ether                              | 111-44-4   | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Bis(2-chloroethoxy) methane                           | 111-91-1   | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 4-Chlorophenyl phenyl ether                           | 7005-72-3  | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 4-Bromophenyl phenyl ether                            | 101-55-3   | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| <b>EP075G: Chlorinated Hydrocarbons</b>               |            |     |      |                                |                              |                                  |                             |  |
| 1,3-Dichlorobenzene                                   | 541-73-1   | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 1,4-Dichlorobenzene                                   | 106-46-7   | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 1,2-Dichlorobenzene                                   | 95-50-1    | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Hexachloroethane                                      | 67-72-1    | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 1,2,4-Trichlorobenzene                                | 120-82-1   | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Hexachloropropylene                                   | 1888-71-7  | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Hexachlorobutadiene                                   | 87-68-3    | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Hexachlorocyclopentadiene                             | 77-47-4    | 10  | µg/L | <10                            | <10                          | <10                              | ----                        | ----                                       |
| Pentachlorobenzene                                    | 608-93-5   | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Hexachlorobenzene (HCB)                               | 118-74-1   | 4   | µg/L | <4                             | <4                           | <4                               | ----                        | ----                                       |
| <b>EP075H: Anilines and Benzidines</b>                |            |     |      |                                |                              |                                  |                             |  |
| Aniline   | 62-53-3    | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 4-Chloroaniline                                       | 106-47-8   | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 2-Nitroaniline  | 88-74-4    | 4   | µg/L | <4                             | <4                           | <4                               | ----                        | ----                                       |
| 3-Nitroaniline  | 99-09-2    | 4   | µg/L | <4                             | <4                           | <4                               | ----                        | ----                                       |
| Dibenzofuran  | 132-64-9   | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 4-Nitroaniline  | 100-01-6   | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Carbazole   | 86-74-8    | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 3,3'-Dichlorobenzidine                                | 91-94-1    | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| <b>EP075I: Organochlorine Pesticides</b>              |            |     |      |                                |                              |                                  |                             |  |
| alpha-BHC   | 319-84-6   | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| beta-BHC  | 319-85-7   | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| gamma-BHC   | 58-89-9    | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| delta-BHC   | 319-86-8   | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Heptachlor  | 76-44-8    | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Aldrin  | 309-00-2   | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |



## Analytical Results

Sub-Matrix: WATER  
 (Matrix: WATER)

Client sample ID

|  |                         |     |      | Point 1 - MW1B<br>(FRONT GATE) | Point 2 - MW06<br>(CAR PARK) | Point 3 - MW7<br>(SOUTH OF POND) | Point 4 - LT1<br>(LEACHATE) | Point 5 - SW01<br>(UPSTREAM<br>STORMWATER) |
|--|-------------------------|-----|------|--------------------------------|------------------------------|----------------------------------|-----------------------------|--|
| Client sampling date / time  |                         |     |      | 07-Nov-2019 13:40              | 07-Nov-2019 12:25            | 07-Nov-2019 13:20                | 07-Nov-2019 12:55           | 07-Nov-2019 12:15                          |
| Compound   | CAS Number              | LOR | Unit | EW1904788-001                  | EW1904788-002                | EW1904788-003                    | EW1904788-004               | EW1904788-005                              |
|  |                         |     |      | Result                         | Result                       | Result                           | Result                      | Result                                     |
| <b>EP075I: Organochlorine Pesticides - Continued</b>                   |                         |     |      |                                |                              |                                  |                             |  |
| Heptachlor epoxide   | 1024-57-3               | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| alpha-Endosulfan   | 959-98-8                | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 4,4'-DDE   | 72-55-9                 | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Dieldrin   | 60-57-1                 | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Endrin   | 72-20-8                 | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| beta-Endosulfan  | 33213-65-9              | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 4,4'-DDD   | 72-54-8                 | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Endosulfan sulfate   | 1031-07-8               | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| 4,4'-DDT   | 50-29-3                 | 4   | µg/L | <4                             | <4                           | <4                               | ----                        | ----                                       |
| ^ Sum of Aldrin + Dieldrin   | 309-00-2/60-57-1        | 4   | µg/L | <4                             | <4                           | <4                               | ----                        | ----                                       |
| ^ Sum of DDD + DDE + DDT   | 72-54-8/72-55-9/50-29-3 | 4   | µg/L | <4                             | <4                           | <4                               | ----                        | ----                                       |
| <b>EP075J: Organophosphorus Pesticides</b>                             |                         |     |      |                                |                              |                                  |                             |  |
| Dichlorvos   | 62-73-7                 | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Dimethoate   | 60-51-5                 | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Diazinon   | 333-41-5                | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Chlorpyrifos-methyl  | 5598-13-0               | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Malathion  | 121-75-5                | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Fenthion   | 55-38-9                 | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Chlorpyrifos   | 2921-88-2               | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Pirimphos-ethyl  | 23505-41-1              | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Chlorfenvinphos  | 470-90-6                | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Prothiofos   | 34643-46-4              | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| Ethion   | 563-12-2                | 2   | µg/L | <2                             | <2                           | <2                               | ----                        | ----                                       |
| <b>EP080/071: Total Petroleum Hydrocarbons</b>                         |                         |     |      |                                |                              |                                  |                             |  |
| C6 - C9 Fraction   | ----                    | 20  | µg/L | <20                            | <20                          | <20                              | <20                         | ----                                       |
| C10 - C14 Fraction   | ----                    | 50  | µg/L | <50                            | <50                          | <50                              | <50                         | ----                                       |
| C15 - C28 Fraction   | ----                    | 100 | µg/L | <100                           | <100                         | <100                             | <100                        | ----                                       |
| C29 - C36 Fraction   | ----                    | 50  | µg/L | <50                            | <50                          | <50                              | <50                         | ----                                       |
| ^ C10 - C36 Fraction (sum)   | ----                    | 50  | µg/L | <50                            | <50                          | <50                              | <50                         | ----                                       |
| <b>EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions</b> |                         |     |      |                                |                              |                                  |                             |  |
| C6 - C10 Fraction  | C6_C10                  | 20  | µg/L | <20                            | <20                          | <20                              | <20                         | ----                                       |



## Analytical Results

Sub-Matrix: WATER  
 (Matrix: WATER)

Client sample ID

|  |                   |      |      | Point 1 - MW1B<br>(FRONT GATE) | Point 2 - MW06<br>(CAR PARK) | Point 3 - MW7<br>(SOUTH OF POND) | Point 4 - LT1<br>(LEACHATE) | Point 5 - SW01<br>(UPSTREAM<br>STORMWATER) |
|--|-------------------|------|------|--------------------------------|------------------------------|----------------------------------|-----------------------------|--|
| Client sampling date / time  |                   |      |      | 07-Nov-2019 13:40              | 07-Nov-2019 12:25            | 07-Nov-2019 13:20                | 07-Nov-2019 12:55           | 07-Nov-2019 12:15                          |
| Compound   | CAS Number        | LOR  | Unit | EW1904788-001                  | EW1904788-002                | EW1904788-003                    | EW1904788-004               | EW1904788-005                              |
|  |                   |      |      | Result                         | Result                       | Result                           | Result                      | Result                                     |
| <b>EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued</b> |                   |      |      |                                |                              |                                  |                             |  |
| <sup>^</sup> C6 - C10 Fraction minus BTEX (F1)                                     | C6_C10-BTEX       | 20   | µg/L | <20                            | <20                          | <20                              | <20                         | ----                                       |
| >C10 - C16 Fraction  | ----              | 100  | µg/L | <100                           | <100                         | <100                             | <100                        | ----                                       |
| >C16 - C34 Fraction  | ----              | 100  | µg/L | <100                           | <100                         | <100                             | <100                        | ----                                       |
| >C34 - C40 Fraction  | ----              | 100  | µg/L | <100                           | <100                         | <100                             | <100                        | ----                                       |
| <sup>^</sup> >C10 - C40 Fraction (sum)   | ----              | 100  | µg/L | <100                           | <100                         | <100                             | <100                        | ----                                       |
| <sup>^</sup> >C10 - C16 Fraction minus Naphthalene (F2)                            | ----              | 100  | µg/L | <100                           | <100                         | <100                             | <100                        | ----                                       |
| <b>EP080: BTEXN</b>  |                   |      |      |                                |                              |                                  |                             |  |
| Benzene  | 71-43-2           | 1    | µg/L | <1                             | <1                           | <1                               | <1                          | ----                                       |
| Toluene  | 108-88-3          | 2    | µg/L | <2                             | <2                           | <2                               | <2                          | ----                                       |
| Ethylbenzene   | 100-41-4          | 2    | µg/L | <2                             | <2                           | <2                               | <2                          | ----                                       |
| meta- & para-Xylene  | 108-38-3 106-42-3 | 2    | µg/L | <2                             | <2                           | <2                               | <2                          | ----                                       |
| ortho-Xylene   | 95-47-6           | 2    | µg/L | <2                             | <2                           | <2                               | <2                          | ----                                       |
| <sup>^</sup> Total Xylenes   | ----              | 2    | µg/L | <2                             | <2                           | <2                               | <2                          | ----                                       |
| <sup>^</sup> Sum of BTEX   | ----              | 1    | µg/L | <1                             | <1                           | <1                               | <1                          | ----                                       |
| Naphthalene  | 91-20-3           | 5    | µg/L | <5                             | <5                           | <5                               | <5                          | ----                                       |
| <b>FWI-EN/001: Groundwater Sampling - Depth</b>                                    |                   |      |      |                                |                              |                                  |                             |  |
| Depth  | ----              | 0.01 | m    | 5.37                           | 2.47                         | 2.87                             | ----                        | ----                                       |
| <b>EP068S: Organochlorine Pesticide Surrogate</b>                                  |                   |      |      |                                |                              |                                  |                             |  |
| Dibromo-DDE  | 21655-73-2        | 0.5  | %    | 84.7                           | 86.3                         | 91.3                             | 91.4                        | ----                                       |
| <b>EP068T: Organophosphorus Pesticide Surrogate</b>                                |                   |      |      |                                |                              |                                  |                             |  |
| DEF  | 78-48-8           | 0.5  | %    | 77.5                           | 70.4                         | 72.3                             | 76.3                        | ----                                       |
| <b>EP074S: VOC Surrogates</b>  |                   |      |      |                                |                              |                                  |                             |  |
| 1,2-Dichloroethane-D4  | 17060-07-0        | 5    | %    | 108                            | 104                          | 98.9                             | ----                        | ----                                       |
| Toluene-D8   | 2037-26-5         | 5    | %    | 121                            | 117                          | 107                              | ----                        | ----                                       |
| 4-Bromofluorobenzene   | 460-00-4          | 5    | %    | 105                            | 102                          | 93.7                             | ----                        | ----                                       |
| <b>EP075(SIM)S: Phenolic Compound Surrogates</b>                                   |                   |      |      |                                |                              |                                  |                             |  |
| Phenol-d6  | 13127-88-3        | 1.0  | %    | 24.7                           | 29.2                         | 24.0                             | 27.4                        | ----                                       |
| 2-Chlorophenol-D4  | 93951-73-6        | 1.0  | %    | 67.4                           | 63.0                         | 60.0                             | 58.4                        | ----                                       |
| 2,4,6-Tribromophenol   | 118-79-6          | 1.0  | %    | 73.6                           | 81.8                         | 73.1                             | 69.6                        | ----                                       |
| <b>EP075(SIM)T: PAH Surrogates</b>   |                   |      |      |                                |                              |                                  |                             |  |
| 2-Fluorobiphenyl   | 321-60-8          | 1.0  | %    | 98.3                           | 92.4                         | 80.1                             | 90.5                        | ----                                       |



## Analytical Results

Sub-Matrix: WATER  
 (Matrix: WATER)

Client sample ID

|  |            |     |      | Point 1 - MW1B<br>(FRONT GATE) | Point 2 - MW06<br>(CAR PARK) | Point 3 - MW7<br>(SOUTH OF POND) | Point 4 - LT1<br>(LEACHATE) | Point 5 - SW01<br>(UPSTREAM<br>STORMWATER) |
|--|------------|-----|------|--------------------------------|------------------------------|----------------------------------|-----------------------------|--|
| Client sampling date / time                        |            |     |      | 07-Nov-2019 13:40              | 07-Nov-2019 12:25            | 07-Nov-2019 13:20                | 07-Nov-2019 12:55           | 07-Nov-2019 12:15                          |
| Compound   | CAS Number | LOR | Unit | EW1904788-001                  | EW1904788-002                | EW1904788-003                    | EW1904788-004               | EW1904788-005                              |
|  |            |     |      | Result                         | Result                       | Result                           | Result                      | Result                                     |
| <b>EP075(SIM)T: PAH Surrogates - Continued</b>     |            |     |      |                                |                              |                                  |                             |  |
| Anthracene-d10                                     | 1719-06-8  | 1.0 | %    | 91.4                           | 93.6                         | 83.1                             | 85.5                        | ----                                       |
| 4-Terphenyl-d14                                    | 1718-51-0  | 1.0 | %    | 83.9                           | 73.6                         | 80.2                             | 83.6                        | ----                                       |
| <b>EP075S: Acid Extractable Surrogates</b>         |            |     |      |                                |                              |                                  |                             |  |
| 2-Fluorophenol                                     | 367-12-4   | 2   | %    | 35.4                           | 37.1                         | 37.8                             | ----                        | ----                                       |
| Phenol-d6  | 13127-88-3 | 2   | %    | 24.8                           | 23.8                         | 26.2                             | ----                        | ----                                       |
| 2-Chlorophenol-D4                                  | 93951-73-6 | 2   | %    | 51.0                           | 49.5                         | 53.3                             | ----                        | ----                                       |
| 2,4,6-Tribromophenol                               | 118-79-6   | 2   | %    | 50.7                           | 57.3                         | 47.6                             | ----                        | ----                                       |
| <b>EP075T: Base/Neutral Extractable Surrogates</b> |            |     |      |                                |                              |                                  |                             |  |
| Nitrobenzene-D5                                    | 4165-60-0  | 2   | %    | 50.6                           | 50.3                         | 54.3                             | ----                        | ----                                       |
| 1,2-Dichlorobenzene-D4                             | 2199-69-1  | 2   | %    | 47.8                           | 48.7                         | 50.4                             | ----                        | ----                                       |
| 2-Fluorobiphenyl                                   | 321-60-8   | 2   | %    | 54.1                           | 54.0                         | 57.1                             | ----                        | ----                                       |
| Anthracene-d10                                     | 1719-06-8  | 2   | %    | 69.4                           | 69.4                         | 70.7                             | ----                        | ----                                       |
| 4-Terphenyl-d14                                    | 1718-51-0  | 2   | %    | 76.2                           | 70.5                         | 72.4                             | ----                        | ----                                       |
| <b>EP080S: TPH(V)/BTEX Surrogates</b>              |            |     |      |                                |                              |                                  |                             |  |
| 1,2-Dichloroethane-D4                              | 17060-07-0 | 2   | %    | 109                            | 105                          | 99.8                             | 119                         | ----                                       |
| Toluene-D8   | 2037-26-5  | 2   | %    | 111                            | 106                          | 97.9                             | 123                         | ----                                       |
| 4-Bromofluorobenzene                               | 460-00-4   | 2   | %    | 101                            | 96.9                         | 88.9                             | 106                         | ----                                       |



## Analytical Results

| Sub-Matrix: WATER<br>(Matrix: WATER)                     |            | Client sample ID  |         |               | Point 6 - SW02<br>(HOLDING POND) | Point 7 - SW03<br>(POLISHING POND) | ----  | ----  | ---- |
|--|------------|-------------------|---------|---------------|----------------------------------|------------------------------------|-------|-------|------|
| Client sampling date / time                              |            | 07-Nov-2019 13:05 |         |               | 07-Nov-2019 13:10                |                                    |       | ----  | ---- |
| Compound   | CAS Number | LOR               | Unit    | EW1904788-006 | EW1904788-007                    | -----                              | ----- | ----- |      |
|  |            |                   |         | Result        | Result                           | ---                                | ---   | ---   |      |
| <b>EA005FD: Field pH</b>                                 |            |                   |         |               |                                  |                                    |       |       |      |
| pH   | ----       | 0.1               | pH Unit | 9.5           | 8.8                              | ----                               | ----  | ----  |      |
| <b>EA010FD: Field Conductivity</b>                       |            |                   |         |               |                                  |                                    |       |       |      |
| Electrical Conductivity (Non Compensated)                | ----       | 1                 | µS/cm   | 808           | 1780                             | ----                               | ----  | ----  |      |
| <b>EA015: Total Dissolved Solids dried at 180 ± 5 °C</b> |            |                   |         |               |                                  |                                    |       |       |      |
| Total Dissolved Solids @180°C                            | ----       | 10                | mg/L    | 568           | 1230                             | ----                               | ----  | ----  |      |
| <b>EA025: Total Suspended Solids dried at 104 ± 2°C</b>  |            |                   |         |               |                                  |                                    |       |       |      |
| Suspended Solids (SS)                                    | ----       | 5                 | mg/L    | 158           | 20                               | ----                               | ----  | ----  |      |
| <b>EK055G: Ammonia as N by Discrete Analyser</b>         |            |                   |         |               |                                  |                                    |       |       |      |
| Ammonia as N   | 7664-41-7  | 0.01              | mg/L    | 1.01          | 1.10                             | ----                               | ----  | ----  |      |
| <b>EP005: Total Organic Carbon (TOC)</b>                 |            |                   |         |               |                                  |                                    |       |       |      |
| Total Organic Carbon                                     | ----       | 1                 | mg/L    | 68            | 102                              | ----                               | ----  | ----  |      |
| <b>EP030: Biochemical Oxygen Demand (BOD)</b>            |            |                   |         |               |                                  |                                    |       |       |      |
| Biochemical Oxygen Demand                                | ----       | 2                 | mg/L    | 38            | 13                               | ----                               | ----  | ----  |      |





## Surrogate Control Limits

| Sub-Matrix: WATER                                   |            | Recovery Limits (%) |      |
|---|------------|---------------------|------|
| Compound  | CAS Number | Low                 | High |
| <b>EP068S: Organochlorine Pesticide Surrogate</b>   |            |                     |      |
| Dibromo-DDE   | 21655-73-2 | 67                  | 111  |
| <b>EP068T: Organophosphorus Pesticide Surrogate</b> |            |                     |      |
| DEF   | 78-48-8    | 67                  | 111  |
| <b>EP074S: VOC Surrogates</b>                       |            |                     |      |
| 1,2-Dichloroethane-D4                               | 17060-07-0 | 78                  | 133  |
| Toluene-D8  | 2037-26-5  | 79                  | 129  |
| 4-Bromofluorobenzene                                | 460-00-4   | 81                  | 124  |
| <b>EP075(SIM)S: Phenolic Compound Surrogates</b>    |            |                     |      |
| Phenol-d6   | 13127-88-3 | 10                  | 44   |
| 2-Chlorophenol-D4                                   | 93951-73-6 | 14                  | 94   |
| 2,4,6-Tribromophenol                                | 118-79-6   | 17                  | 125  |
| <b>EP075(SIM)T: PAH Surrogates</b>                  |            |                     |      |
| 2-Fluorobiphenyl                                    | 321-60-8   | 20                  | 104  |
| Anthracene-d10                                      | 1719-06-8  | 27                  | 113  |
| 4-Terphenyl-d14                                     | 1718-51-0  | 32                  | 112  |
| <b>EP075S: Acid Extractable Surrogates</b>          |            |                     |      |
| 2-Fluorophenol                                      | 367-12-4   | 10                  | 117  |
| Phenol-d6   | 13127-88-3 | 10                  | 69   |
| 2-Chlorophenol-D4                                   | 93951-73-6 | 21                  | 130  |
| 2,4,6-Tribromophenol                                | 118-79-6   | 10                  | 151  |
| <b>EP075T: Base/Neutral Extractable Surrogates</b>  |            |                     |      |
| Nitrobenzene-D5                                     | 4165-60-0  | 29                  | 142  |
| 1,2-Dichlorobenzene-D4                              | 2199-69-1  | 24                  | 121  |
| 2-Fluorobiphenyl                                    | 321-60-8   | 27                  | 135  |
| Anthracene-d10                                      | 1719-06-8  | 27                  | 113  |
| 4-Terphenyl-d14                                     | 1718-51-0  | 21                  | 123  |
| <b>EP080S: TPH(V)/BTEX Surrogates</b>               |            |                     |      |
| 1,2-Dichloroethane-D4                               | 17060-07-0 | 71                  | 137  |
| Toluene-D8  | 2037-26-5  | 79                  | 131  |
| 4-Bromofluorobenzene                                | 460-00-4   | 70                  | 128  |